



PROTON

INSPIRING CONNECTIONS

PERSONA

INFOTAINMENT SYSTEM
MANUAL

A Member of

DRB-HICOM

TYPE I PREMIUM

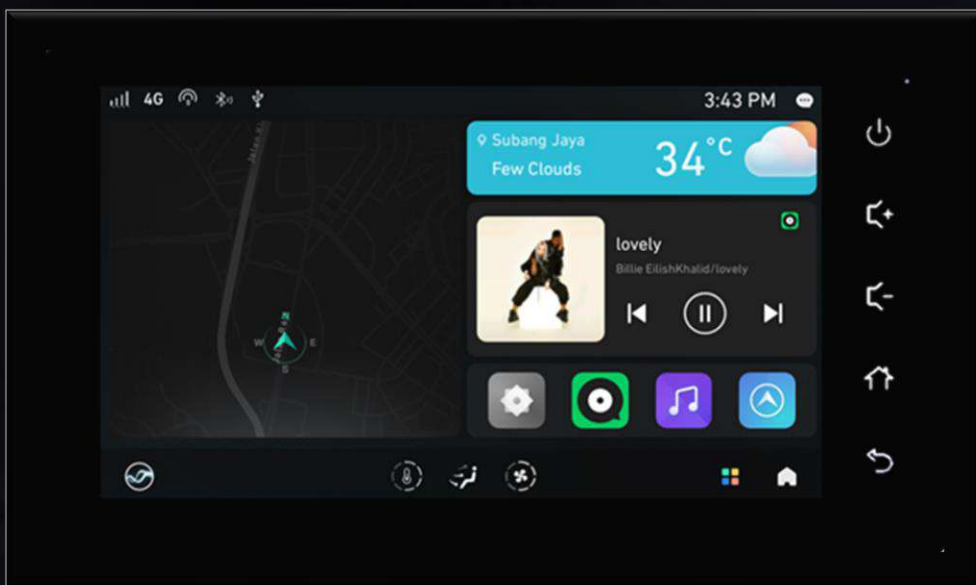


PROTON
INSPIRING CONNECTIONS

PROTON

Infotainment System

Operating Instruction



Foreword

Dear Users,

Thank you very much for selecting our product. Before your first driving, please read this manual carefully to help you understand the proper operation methods of this product for safe operation and better entertainment experience. Please read this instruction thoroughly before applying various functions. PROTON reserves the right of final interpretation of this instruction.

Important Safety Information

- Failure to comply with these safety instructions may result in electric shock, traffic accidents or other injuries, and may also damage the operating system or vehicle. Please read all the safety information below before using the operating system.
- In order to avoid violation of traffic regulations and unnecessary traffic accidents, drivers are prohibited to watch programs and operate the system unit while driving.
- If you make a call using the Bluetooth phone function to the passenger's phone in the vehicle, the sound amplification and significant interference between the phones will cause echo and sound distortion in the vehicle. It is recommended that you do not do this.
- In order to ensure the safety and normal use of the product, do not disassemble or repair the system unit by yourself to avoid damage to the system unit and accidents.

Due to the continuous improvement of the product, the actual operation steps may not be completely consistent with those stated in this manual. In this case, the actual operation steps will prevail.

The working voltage of the product is 9V~16V. If the vehicle is parked for a long time or the battery is not replaced in time according to the maintenance manual, the battery is fed and the power supply is insufficient, which may cause the product to restart for self-protection.

If you have any questions, kindly contact or visit our website as mentioned to locate the nearest dealer and other available services.

www.proton-edar.com.my
PROTON EDAR SDN. BHD.
Centre of Excellence Complex
KM33.8 Westbound Shah Alam Expressway
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia
1-800-888-398

Perusahaan Otomobil Nasional Sdn. Bhd.
Jan 2022

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1. Instructions

1.1 Notice to Users

- Do not use mobile phone while driving. Park the vehicle in a safe place first if you need to use the mobile phone.
- The use of navigation system does not mean that the responsibilities of driver can be replaced. Observe and obliged to the traffic rules. Pay attention to the current traffic condition consistently.
- If there is a difference in the traffic regulations and the current traffic condition always take precedence over the navigation system.
- For safety reasons, the navigation system menu can only be used before start driving or when the vehicle is stationary.
- In the situation when there is only one road or the road is damage or prohibited to be passed through (e.g. pedestrian street), the navigation system may give a warning. Pay more attention to this situation.
- That is because the navigation system will not consider route safety when planning a route. Roadblocks, locations of buildings, height and weight limits, traffic and weather conditions or other issues that can affect the safety and time of driving routes will also not be considered in the proposed route. Therefore, it is up to the driver to decide which route is the most suitable.
- The speed limit stipulated by current road traffic regulations should be more reliable than the system storage most of the time. There is no guarantee that the speed limit shown by the navigation system is the same as that stipulated by the traffic law under any circumstances.
- Do not solely rely on the navigation system to find emergency services (e.g. hospitals, fire fighting facilities, etc). There is no guarantee that all emergency services nearby will be kept in the database. In this case, the driver needs to judge for emergency help.



It is not recommended to use the navigation system when the engine is turned off. If this is done, the battery may lose power. Always keep the engine running all the time when using the navigation system. Do not disassemble or modify this product. Otherwise, accidents, fire and electric shock may result.

Laws of some provinces and cities prohibit drivers from watching videos during driving. Use the system carefully. ◀

1.2 Safety Information



Warning indicates a hazardous situation which, if not avoided, could result in death or serious personal injury. The procedures stated must be followed strictly or the information provided must be carefully considered. ◀



It indicates that the events stated here must be strictly observed, otherwise your vehicle may be damaged. ◀



It indicates informative statements that can help you better use your vehicle. ◀



It indicates events described herein are related to environmental protection. ◀

1.3 Important Message

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission from PROTON.

The pictures in this manual are for reference purpose only. PROTON reserves the right of final interpretation of this manual.

PROTON has the right not to provide the service for you in the following cases:

- Violation of local laws and regulations;
- Provision of false registration information;
- Unauthorized use of services;
- Application of products and services for any illegal purpose;
- Behaviors which harm to the interests of other users;
- Abuse of user rights;
- Behaviors violating social customs and social morality;
- Acts inciting national hatred and discrimination, as well as undermining national unity;
- Acts spreading obscenity, pornography, gambling, violence, murder, terrorism or abetting crime;
- Acts harming national security, divulging state secrets, subverting state power and undermining national unity.

After correction, PROTON has the right to decide whether to resume the service on the case to case basis.



When transferring the vehicle, please remember to pass this manual on to the new user

as this manual is an integral part of the vehicle.◀


1.4 Notes When Using Navigation

Description of terminology

- Point of interest: It is a feature point marked on the map that provide users with name, attributes and location information, such as petrol service stations, hotels, schools, etc.
- Positioning: A technology for displaying the inquired points of interest in the center of the navigation screen and prompting the name and location.
- Route planning: A technology for selecting a planning method according to the starting point, the passing point and the bypassing point, and calculating a path that meets the needs of users.
- Navigation: A technology for planning a route based on geographic information software and prompting the user with voice throughout the travel. Navigation in geographic information software includes simulated navigation and real navigation. It refers to real navigation unless otherwise specified.
- Move map mode: Users can move the map by tapping or dragging the map according to their habits. Other terms will be described in detail in the text, so no repetition is made here.

Navigation system

Welcome to the navigation system. We hope our navigation system can provide you convenience and smooth journey! If you have any suggestions or opinions, please feel free to contact us! Please read the following warnings carefully before starting the navigation system! For your driving safety, please strictly observe the "Warning" operation!

 PROTON will not be responsible for any inconvenience or accident caused by negligence of the stated warnings!◀

Navigation disclaimer

- Map disclaimer

Due to some on-going constructions and the rapid development of urban-rural highway traffic and the continuous changes in traffic control information and traffic facilities in urban streets, there may be situations that are not completely consistent with the actual information at the

time after the product is produced. Thus, the driver must pay serious attention to the actual traffic conditions and avoid violating traffic rules. The navigation map will be released to the public in a timely manner. Please pay attention to the update information of the navigation map from the dealer.

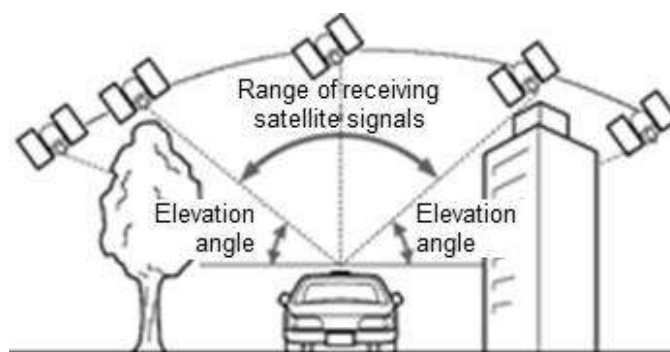
Due to changes in traffic regulations or temporary road control, the route planned by the navigation map may not conform to the traffic control situation on site. Please drive according to the actual traffic control or traffic rules.

- Navigation disclaimer

As real-time road conditions sometimes change more or less, the driving route planned by the navigation map is only suggestion and may or not be used as reference. For example, the route chosen by the driver in his/her familiar area may be more effective than the route planned by the navigation map.

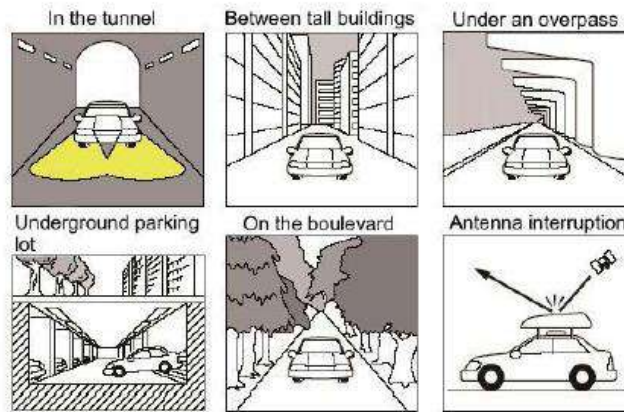
- Satellite signal reception disclaimer


In general, the navigation map can calculate your exact location after only 3 or 4 satellite signals being received. However, sometimes due to weather or under the influence of tall buildings in the city, the reception of signals will be affected, as shown in the following figure:



- Error disclaimer

Under normal conditions of satellite signal reception, the standard satellite positioning system error is in the range of 5 to 10 meters. There are conditions when the indication of the road may not exactly consistent with the vehicle's position shown on the map. The vehicle may be shown on the opposite parallel road close to the actual driving road. The following illustrates the environment which affects the normal reception of satellite signals and may cause errors.



 Failure to receive satellite signals:

- Check whether the icon of reception status in GPS information display is normal.
- During a period of start-up, the satellite antenna needs to receive satellite signals and update internal information. At this time, the icon of reception status shows no signal, which is a normal phenomenon. Just wait for a moment to allow the signal to enter the normal working condition.
- Check whether the vehicle is located in an area that can possibly interfere the satellite signal reception such as "under bridge", "in tunnel" and "near tall buildings". After the vehicle leaves away from such areas, the signal will be restored.◀

Safe navigation

Do not operate the navigation function while driving to avoid distraction and cause safety problems. The navigation setup should be done in advance or operated by passenger. Safe navigation is the top priority to ensure the personal safety of drivers, passengers and others.

Use instructions

Before using the navigation system, please familiarize with the following information:

- The accurate guidance and positioning of the navigation system is closely linked to GPS signals, and the navigation system will automatically search for GPS signals.
- It may take 2 to 15 minutes for initial positioning and 1 to 3 minutes for repositioning.
- Being in complex terrain such as in the basement and between tall buildings, there may be no GPS signal.
- Regardless of the presence or absence of GPS signals, please drive the vehicle according to the actual road conditions!

1.5 Notes Before Using Bluetooth

What is the wireless Bluetooth technology?

- Wireless Bluetooth technology is based on short-range wireless network technology, which enables different devices to connect in short range at a frequency of 2402 MHz ~ 2480 MHz
- It supports various electronic devices such as computer, external devices, Bluetooth phones, and PDAs. With regard to application in vehicles, wireless Bluetooth technology can achieve high-speed transmission without using a cable.
- Bluetooth phone means that the user can conveniently make a phone call via Bluetooth function.
- Some phones may not be supported by the function of Bluetooth phone.

Notices for safe driving

- Bluetooth phone can improve the safety of driving. After the phone is connected via Bluetooth function to the system unit, the user can conveniently make a call, answer a call and manage the contacts.
- Please read this user manual carefully before using the Bluetooth phone.
- It is prohibited to operate the Bluetooth device frequently while driving may cause negligent driving and even result in an accident.
- Avoid watching the screen of the system unit for a long time while driving. This is dangerous and may cause an accident.







Warning for pairing Bluetooth phone

- Bluetooth phone can improve the safety of driving. After the phone is connected via Bluetooth function to the system unit, the user can conveniently make a call, answer a call and manage the contacts.

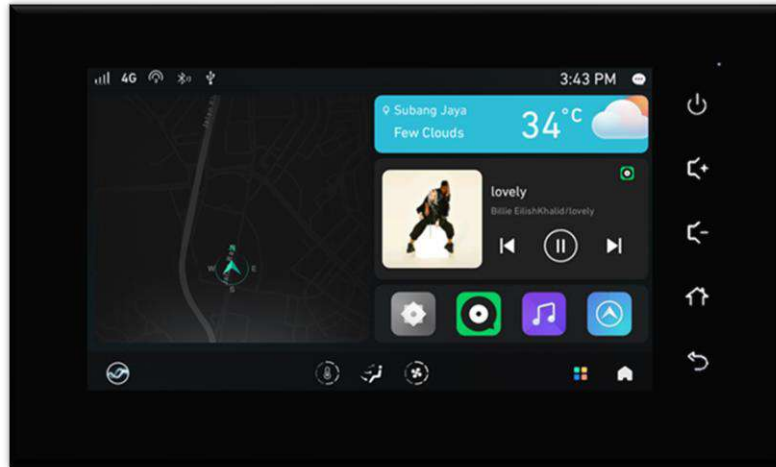
2. Devices and Operation






2.1 Steering Wheel Control Buttons








Button	Short Press	Long Press
 Voice recognition / MODE	Switch source: Radio – USB Audio – Online Music – BT audio (If connect)	1) Enter voice recognition 2) Under voice recognition mode, exit VR
 Previous	Radio: Previous station Music: Previous song Online Music: Previous song Video: Previous video	Radio: Seek (frequency-) Music: Fast backward Online Music: Fast backward Video: Fast backward
 Next	Radio: Next station Music: Next song Online Music: Next song Video: Next video	Radio: Seek (frequency+) Music: Fast forward Online Music: Fast forward Video: Fast forward
 Volume increase	Increase volume / cancel mute	Increase volume (continue to increase the volume)
 Volume decrease	Decrease volume / cancel mute	Volume down (continue to decrease the volume)
 Mute / Phone	1. When the Bluetooth phone ringing, short press this button to answer; 2. Press this button to hang up during calling or make a call; 3. In other cases, short press to mute or unmute	Long press to enter Bluetooth Phone page in other cases. If it is already in Bluetooth phone page, it remains the same.

2.2 Touchscreen Keys



Button	Short Press	Long Press
 Power	In the OFF state, it can be turned on; in the ON state, it enters screen saver mode	>1s turn off >10s re-start
 Volume +	Increase volume +1	Continue to increase the volume
 Volume -	Decrease volume -1	Continue to decrease the volume
 Home	Back to homepage from any pages.	For 2s and enter screen saver.
 Return	Return to last page	Return to last page

2.3 Touchscreen Operation

Finger gestures	Action
	Tap: Activate an application, locate the progress bar and activate button functions Touch and hold: Enter mode for editing
	Horizontal scroll or swipe: Move page to the left and right
	Double tap with one finger
	Squeeze inwards using two fingers (zoom in)
	Squeeze outwards using two fingers (zoom out)

2.4 Basic Operations

Initial start-up of the system

When the system is under power off condition, press the ignition switch to ACC or ON, then the multimedia unit will be started automatically. The start-up and warning interface will be displayed on the screen.

Start-up interface



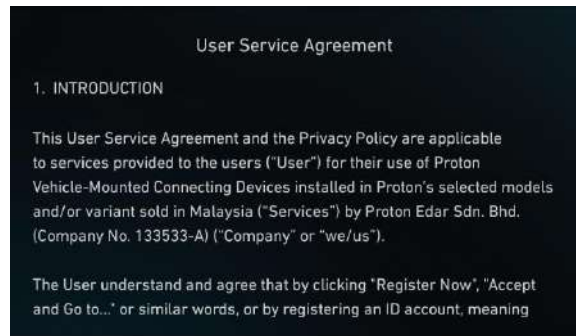
Proton Persona



Proton Iriz



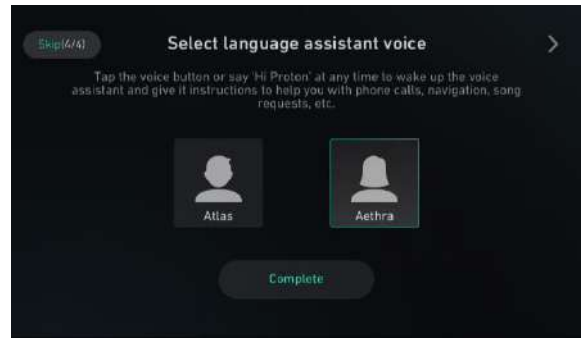
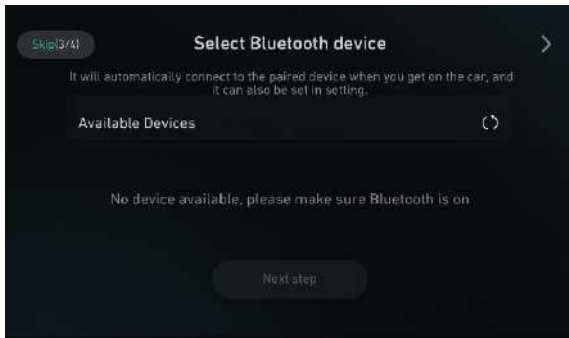
Warning interface



User Service Agreement

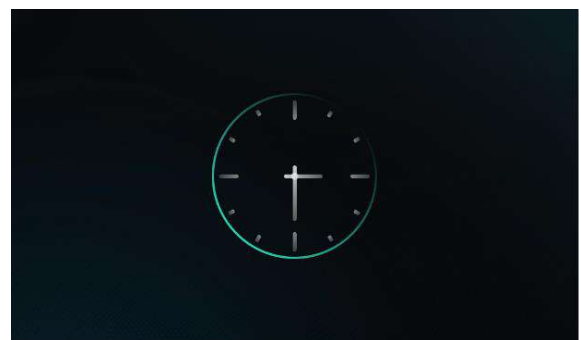
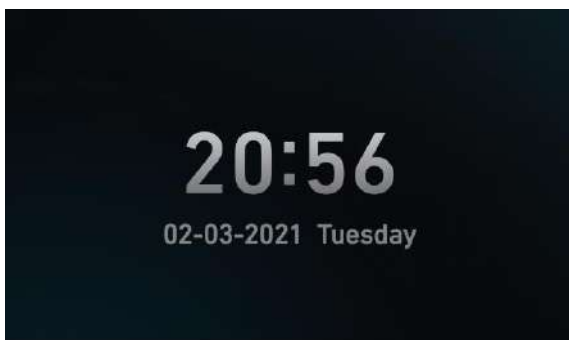
System Start Up Guide





Lock screen interface

At lock screen, tap any area or (long/short) press the Power button to unlock the screen.



2.5 USB Ports



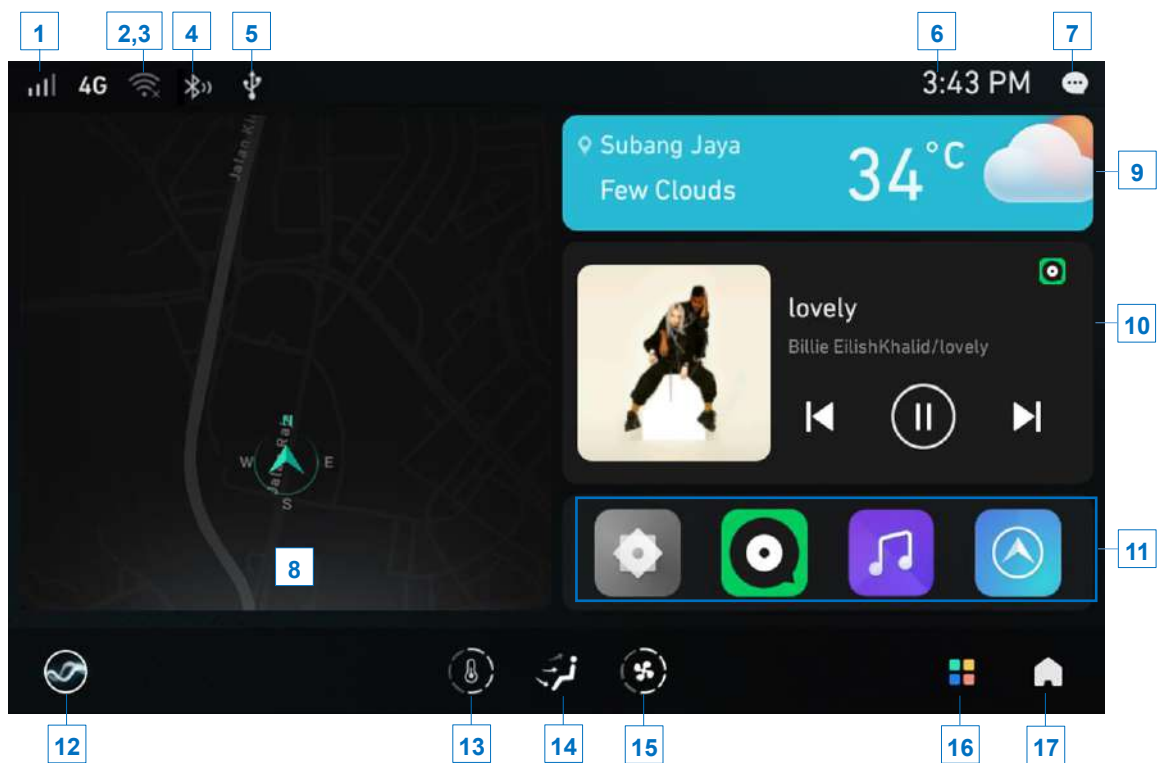
There are three USB ports available.

USB port 1 and 2: Charging port that is usable for charging common mobile devices.


USB port 3: Media device port for the infotainment head unit to access media devices or flash disks containing media files such as music, pictures, and videos.

2.6 Homepage

The homepage is designed to give you the experience similar to that of Android devices. On the homepage, at the most left is fixed for navigation and right side are widgets. Swipe left to enter the next subpage.



Upper Status Bar

- 1** Connected to cellular network
- 2** Connected to Wi-Fi network
- 3** Hotspot enabled – symbol  will display when hotspot is on and Wi-Fi is off, and display the number of connected devices
- 4** Connected to Bluetooth device
- 5** Connected to USB device
- 6** Time
- 7** Notification center

Function Card

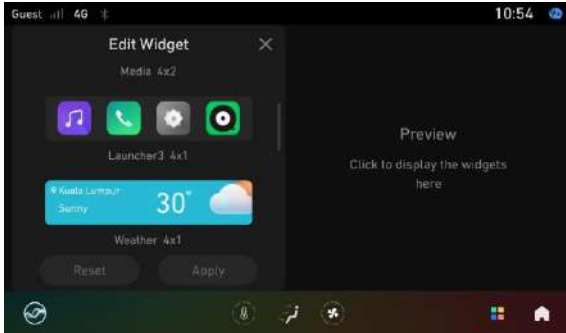
- 8** Homepage map
- 9** Homepage weather
- 10** Homepage multimedia
- 11** Recent functions*

Lower Status Bar

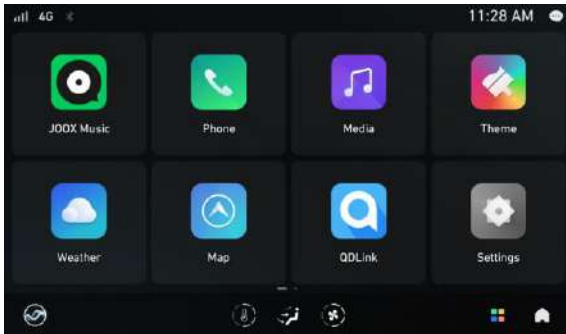
- 12** VR (voice assistant)
- 13** Cabin temperature
- 14** Air condition
- 15** Fan
- 16** Apps list
- 17** Home

Note: * Display default functions during first application, current function is displayed on the far left and other functions display to the right in turn, recording the last four functions.

Widget editing screen

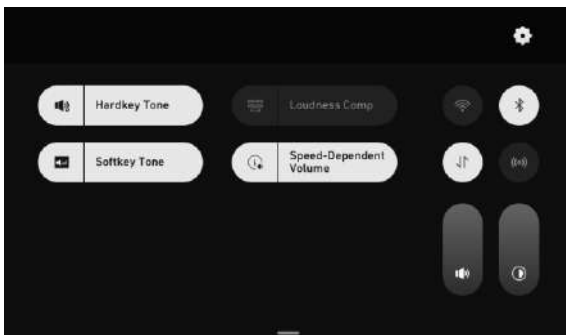


Apps list

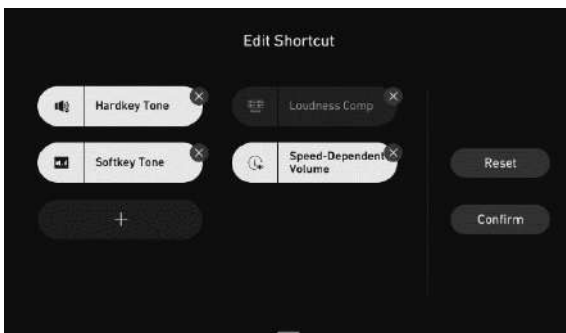


Tap **Apps list** to enter the app list interface with selection of apps that may entertain and enhance your driving experience.

Pull-down menu



Swipe down to show Menu bar. All status can be switched on/off quickly including quick configure to Wi-Fi, Bluetooth, wireless data, hotspot and daily vehicle settings, brightness and volume adjustment.

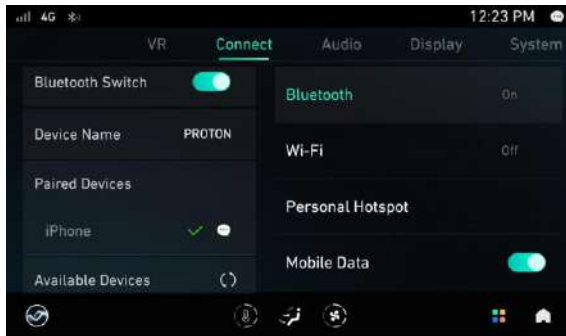


Long press on any shortcut switch to edit.

- Tap + to add a shortcut function.
- Tap x to delete the shortcut function.

2.7 Bluetooth Pairing and Connection

Pairing and Connection



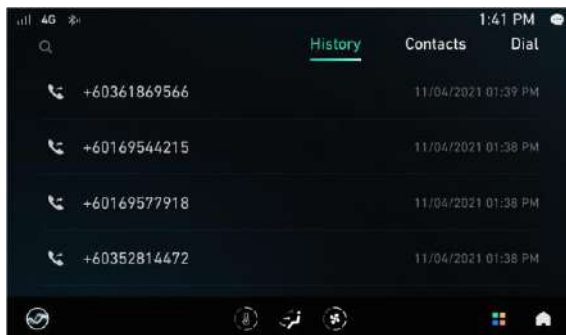
Tap **Settings** > **Connect** > **Bluetooth Switch** to activate the Bluetooth function.

Tap **Available Devices** to search for available devices to be paired to the infotainment head unit. The mobile phone will receive pairing notification.

- For Android mobile phone: Tap **Sync to Contacts** while connecting.
- For iPhone: Ensure **Sync to Contacts** function enabled.

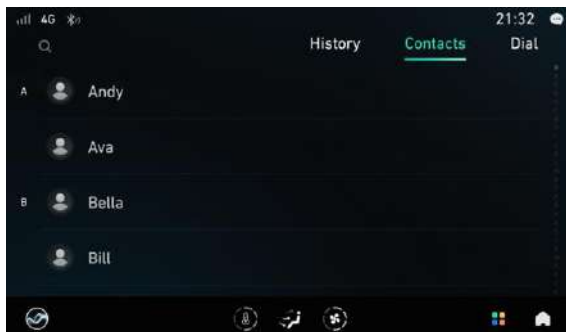
If **Sync to Contacts** fails, please tap the device name and unpair and reconnect the device.

Recent Calls



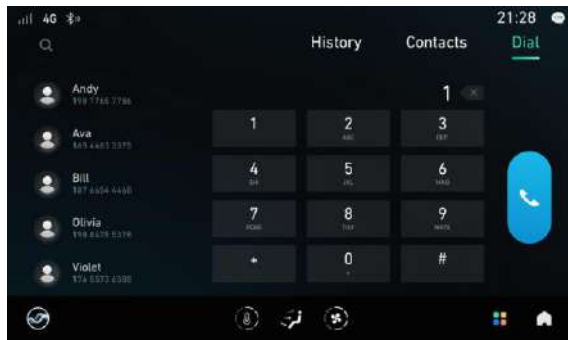
On the homepage, tap **Phone icon** > **History** to display the history interface. Tap a contact number or name to call.

Contacts



On the homepage, tap **Phone icon** > **Contacts** to display the contacts interface. Tap a contact name to call.

Dial



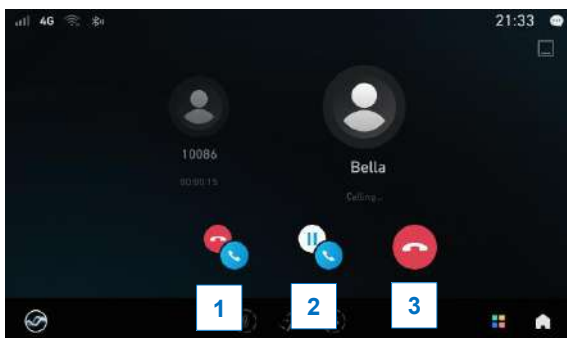
On the homepage, tap **Phone icon** > **Dial** to display the keypad interface. Enter a phone number name to call.

3. In-Car Communication

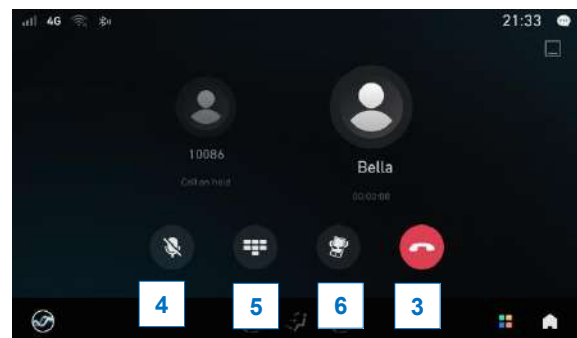
3.1 Answering and Hanging Up

While the Bluetooth phone function is active:

- Press **MUTE** button on the steering wheel to answer the call.
- Press **MUTE** button on the steering wheel to hang up the call.
- During the call, adjust the call volume by pressing **VOL+** or **VOL-** button on the steering wheel.
- For multiple calls, a display of callers will be shown and you can answer, hold or reject.



- 1 Hang up
- 2 Answer
- 3 Reject

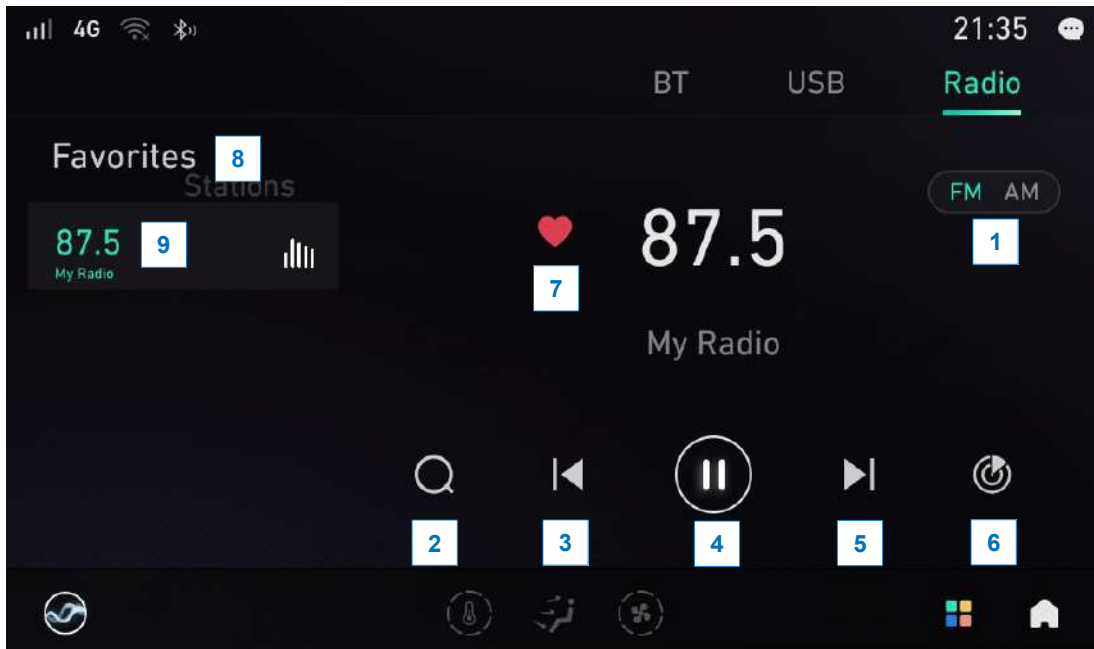


- 4 Mute
- 5 Keypad
- 6 Answer path
- 3 Hang up

4. Multimedia

4.1 Radio

Tap **Radio** in the multimedia interface to enter the radio interface.



The media player provides FM and AM radio stations that you can select from the radio source. Tap the next radio station or previous radio station to move from one frequency to the next (or previous). For an easy access to radio stations that you listen frequently, tap it as a favorite so it is readily available in your **Favorites** list.

1	FM and AM radio stations	6	Rebroadcast*
2	Search radio station	7	Add radio station to favorites
3	Previous radio station	8	Favorite list of radio station
4	Pause radio	9	Display playing radio station frequency and name
5	Next radio station		

Note: * This is 5 seconds rebroadcasting.

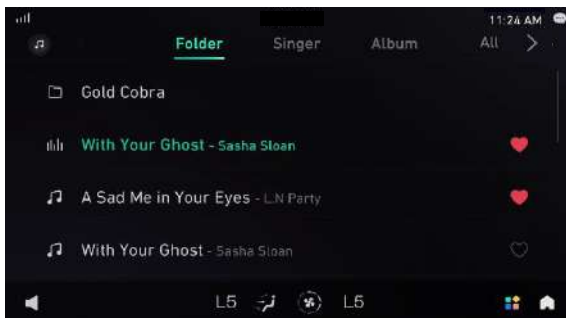
1. From the current frequency, seek the next station in the direction of +
2. Play 5 seconds
3. Continue to seek the direction of +
4. Repeat 1 to 3 above until the starting scanned frequency is returned.

4.2 USB and Bluetooth Music

The multimedia system supports formats such as MP3, WMA, AAC, OGG and FLAC.



Tap **USB** in the multimedia interface to enter the USB interface to play audio file in the USB flash drive or Bluetooth device.



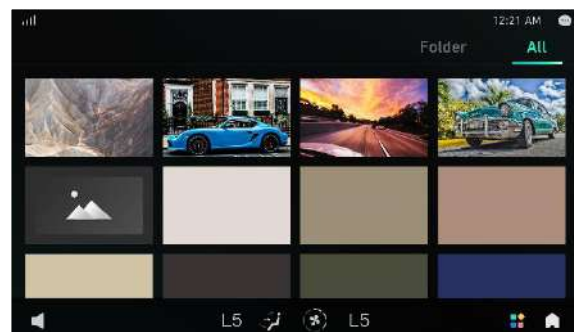
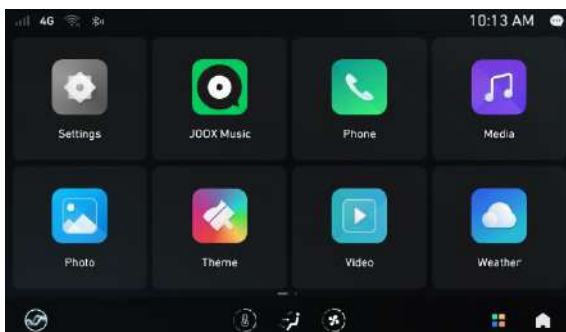
You can browse the audio files by **Folder**, **Artist**, **Album** and **All**.

4.3 Photo and Video

Photo

The multimedia system supports formats such as JPG, JPEG, PNG, GIF (static), BMP and GIF (Only the first image in the truncated GIF image sequence is displayed). Photos stored in USB flash disk can be viewed and displayed from the photo app. The photos will be rearranged according to the respective folders.

Tap **Photo** in the **App** list to enter photo interface.



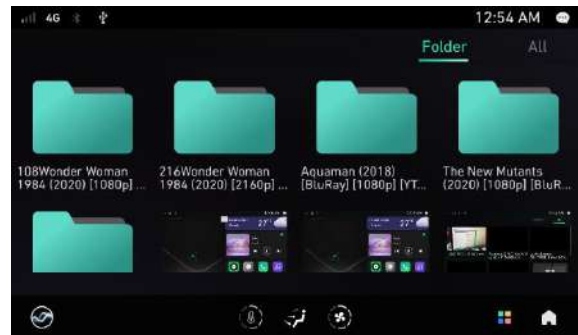
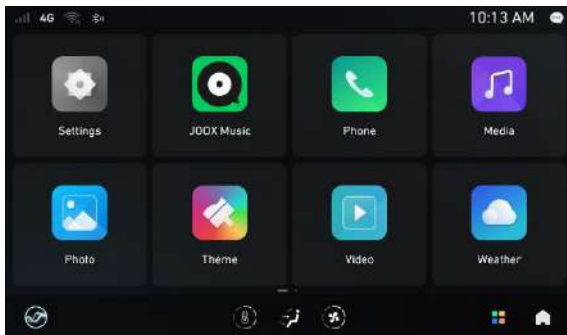


Chosen image will be displayed in full screen. During the display, there will be option to go to the previous or the next image as well as to rotate the orientation of the images.

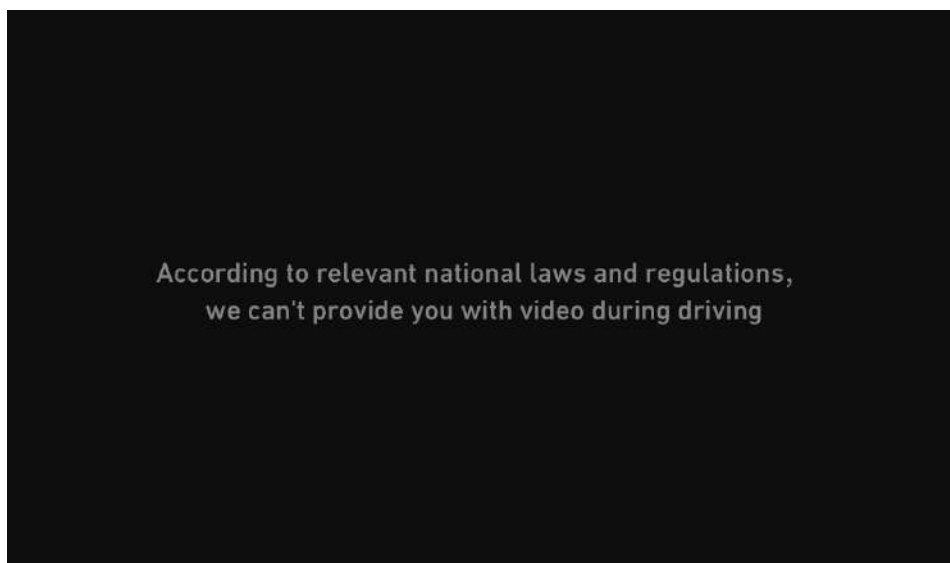
Video

For video, the multimedia system supports formats such as 3GP, FLV, MKV, MP4, AVI, MOV and video encoding formats such as MPEG, MPEG2, MPEG4, AVC, XVID, MJPEG. Videos stored in USB flash disks can be viewed and displayed too. The videos will be rearranged according to the respective folders.

Tap **Video** in the **App list** to enter photo interface.



Please be aware that the infotainment head unit will not allow videos to be played during driving. Hence, the following reminder will be displayed if it was found that the vehicle is currently in drive mode.



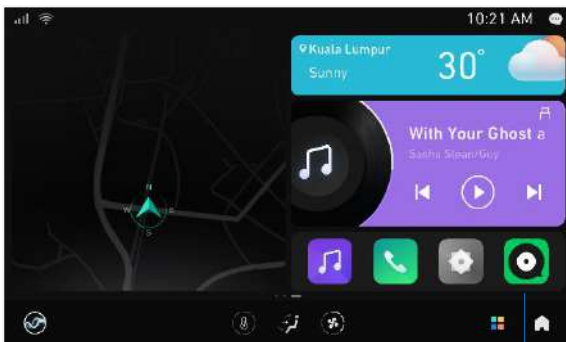
4.4 JOOX Music

JOOX Music provides a vast collection of new songs, hit songs and theme playlist. There are also songs playable based on preferred genres and personal preferences.

JOOX Music login



1. Ensure that you have JOOX Music app installed in your mobile device. You can download the app from the market store.
2. Sign up or login into your JOOX Music account through your mobile device.
3. On the homepage, tap **JOOX Music** to open JOOX.

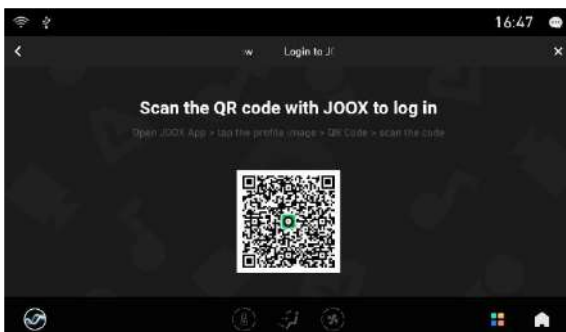


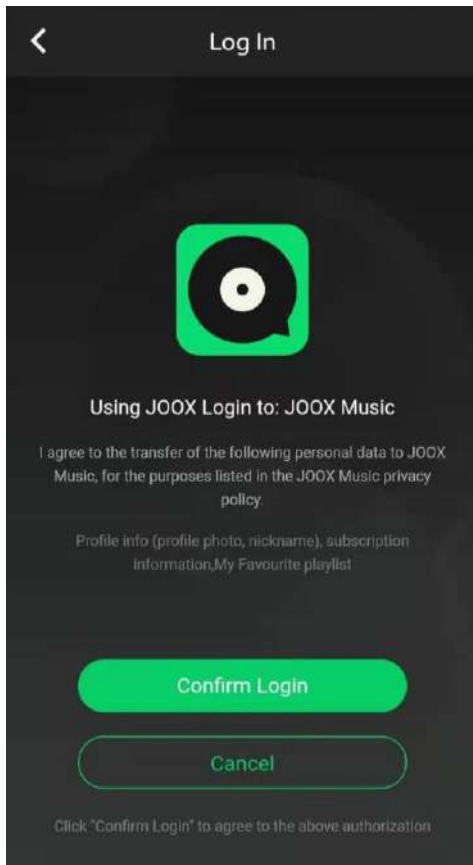
JOOX Music



Scan QR code

4. Using the JOOX mobile app, tap **Account** > **Scan QR code** and scan the displayed QR code on the infotainment head unit.

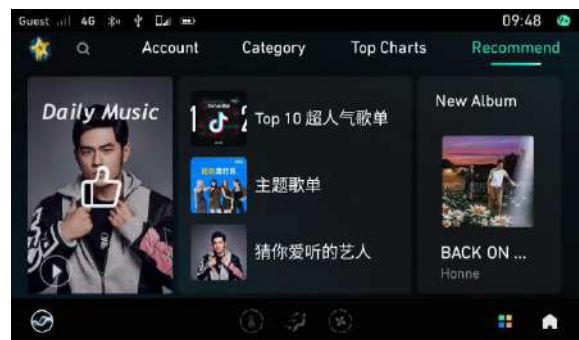




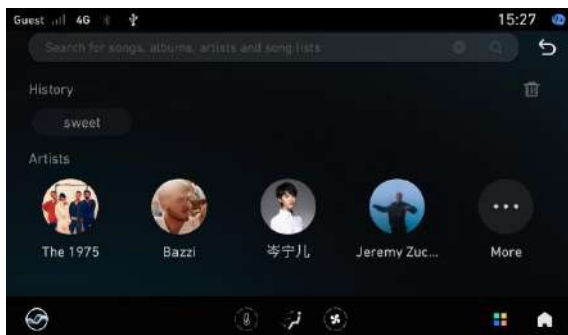
5. Tap **Confirm Login** to enter JOOX Music interface.

JOOX Music on the infotainment head unit will login and synchronize with JOOX mobile app.

You can then explore the features available on JOOX Music and play your preferred songs.

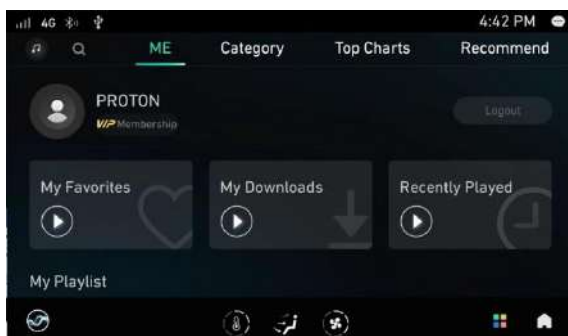


JOOX Music search



The search feature supports search by keywords, retrieve categories including tracks, artists, albums and playlists.

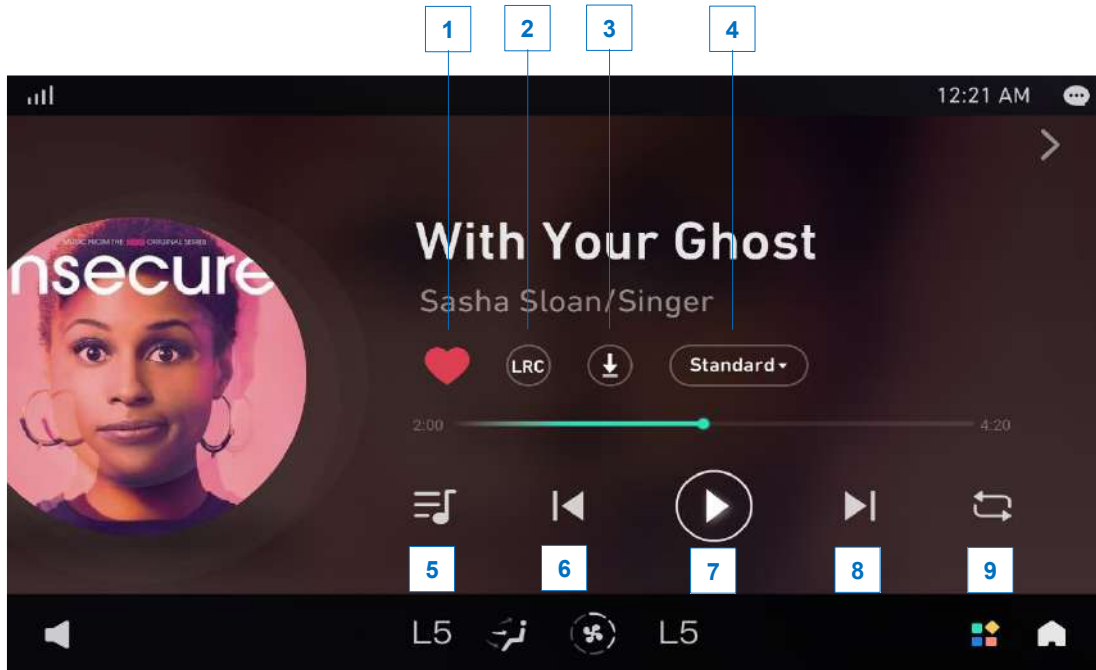
JOOX Music logout



Tap **Profile picture** > **Logout**

JOOX music playing interface

Information such as song name, singer name, song duration, playing progress, song list key, lyrics key, play/pause key is displayed.

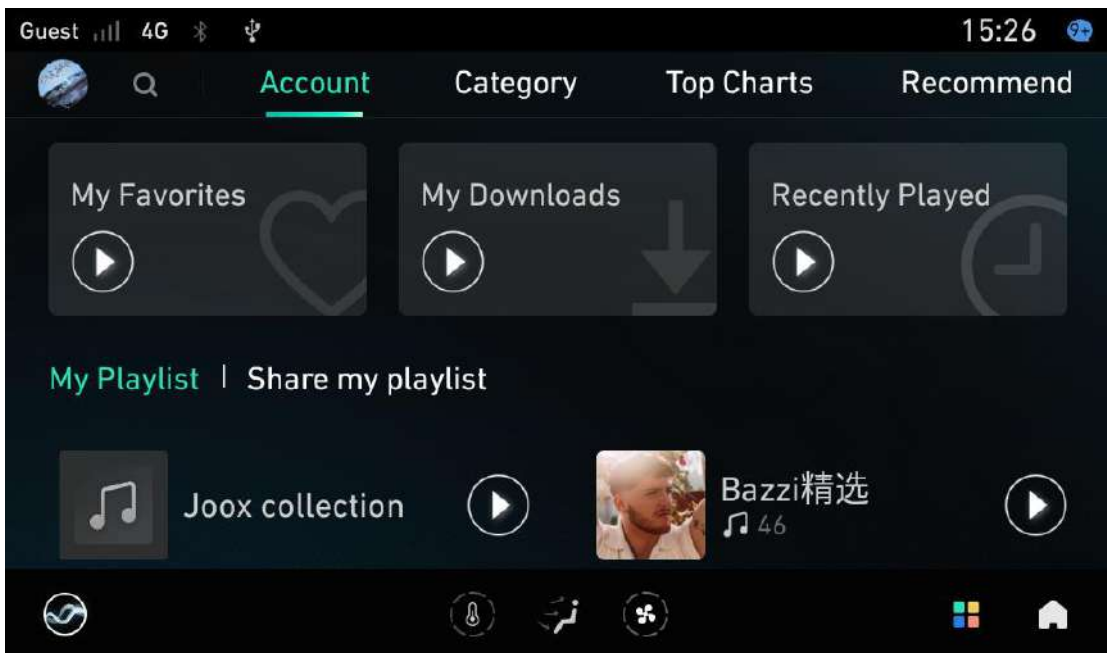


- | | | | |
|---|----------------------|---|---------------|
| 1 | Favorite | 6 | Previous song |
| 2 | Lyrics | 7 | Play / Pause |
| 3 | Download | 8 | Next song |
| 4 | Audio quality switch | 9 | Single loop |
| 5 | Playlist | | |

Share Playlist and Import Playlist from external source

User can obtain and show third party playlist of the current Proton ID in IHU logged in via data synchronisation.

User can view and share the synced playlist via mobile application and IHU.

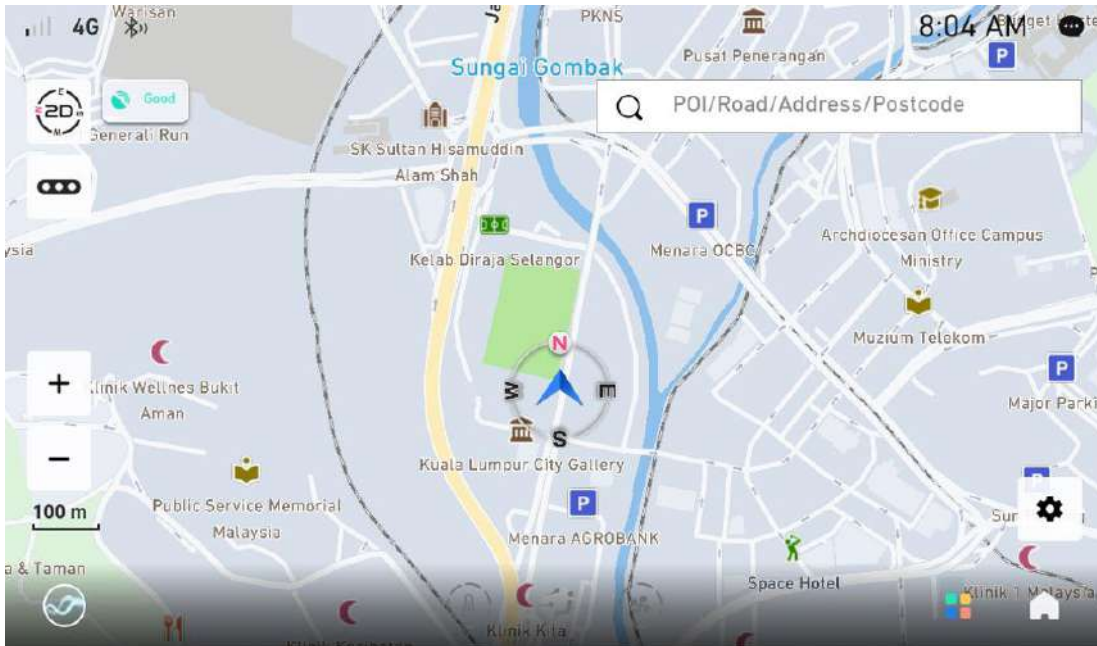


5. Navigation

5.1 Getting to know your navigation system

Start the navigation system

After starting up, tap **Navigation** or use voice command "Open Navigation" to run the navigation system.

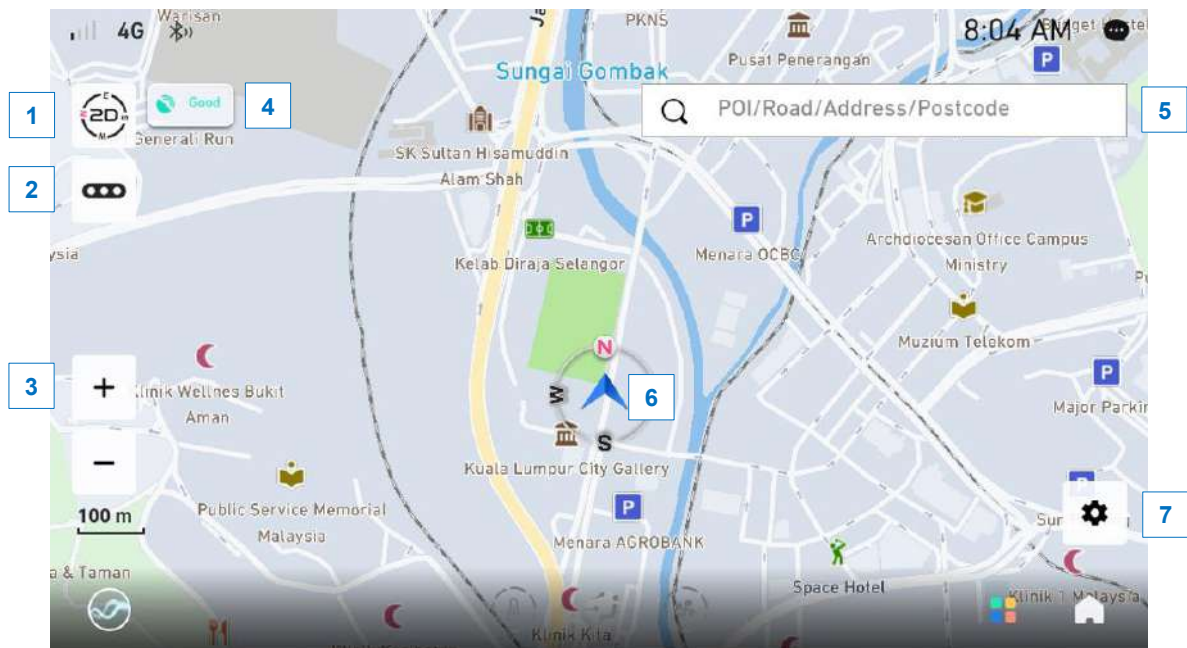


There are two modes in the navigation system:

1. **Free navigation mode:** No destination is set after you enter the navigation system.
2. **Route navigation mode:** After you enter the navigation system, first set the destination, and then let the system start route plan and navigate according to the destination you set.

Free navigation mode interface

The following describes the free navigation interface and its related functions:



1 Mode switching: Available in three modes 2D head up, 2D north up and 3D head up.

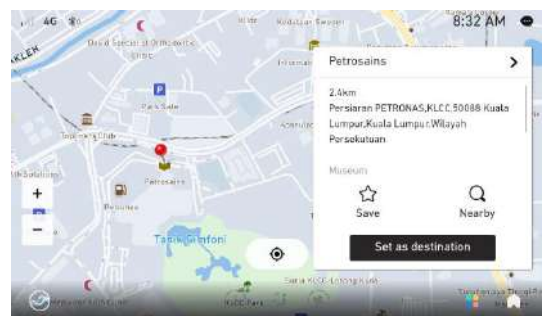
2 Road condition: Switch on and off the real-time road condition.

3 Scale: You can change the scale size through "+" and "-".

4 GPS signal state: Shows either Good, Weak and None.

5 Destination: You can search for a destination by entering keywords or search for nearby facilities.

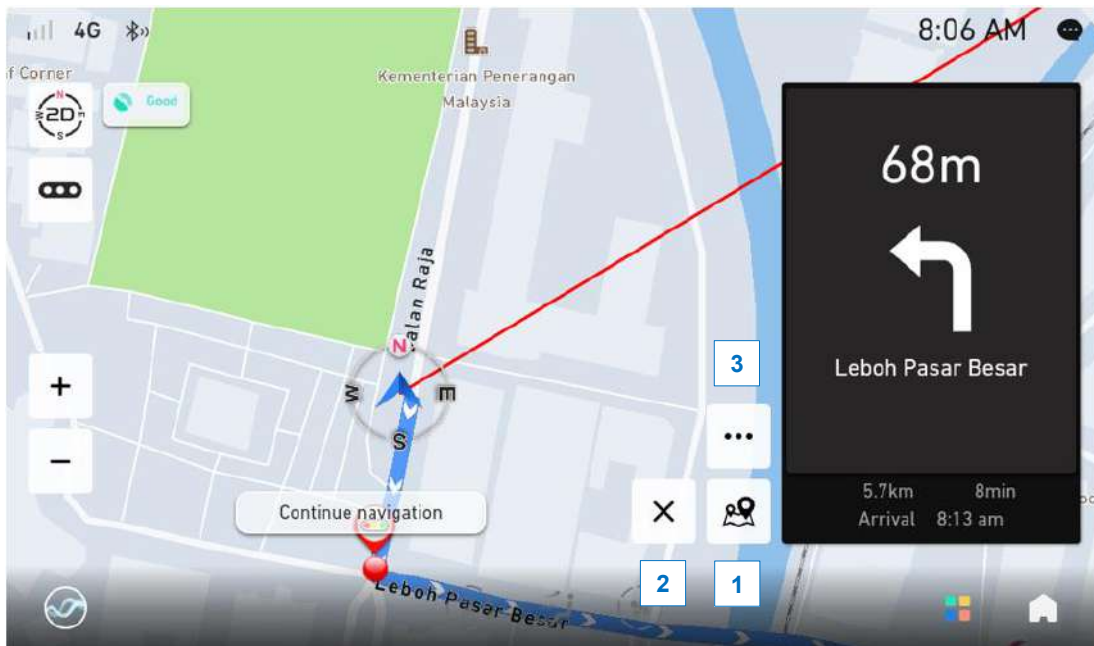
6 Vehicle logo: Displays the current precise location and the orientation of the front of the vehicle. When you scroll the free navigation screen, the following will appear:



7 Navigation setting: Tap **Settings** interface where you can set Map color, Auto zoom, Orientation line.

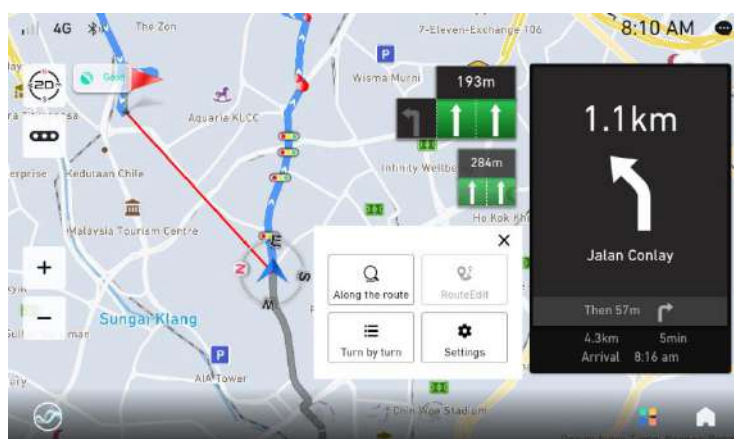
Route navigation mode interface

The following shows the route navigation interface and its related functions:



- 1 Route overview:** Tap this icon to enter route overview mode, and all routes will be displayed on the map.
- 2 Exit navigation:** Tap this icon to exit Navigation and re-route.

- 3 More operations:** Tap this icon and four operation icons will be displayed as shown below.

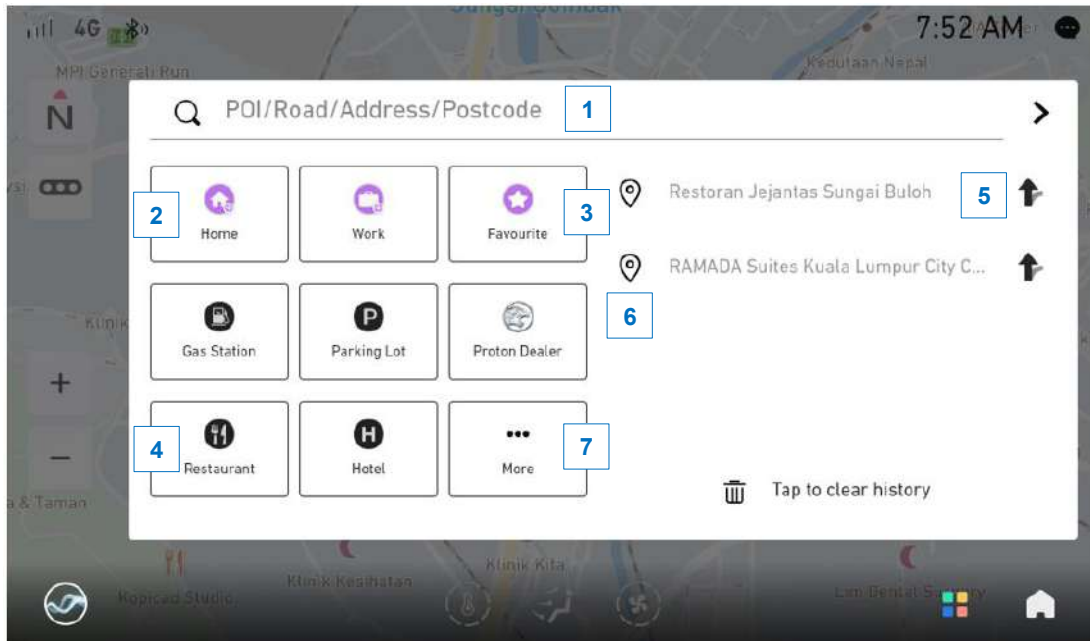


- **Along the route:** To view amenities such as parking lot, coffee shop and set the related amenities as pathway.
- **Route edit:** Edit current route, such as add/delete/change pathway, re-arrange the order of pathways.
- **Turn by turn:** View all turns information along the routes.
- **Settings:** Tap to enter the setting screen.

Search destination

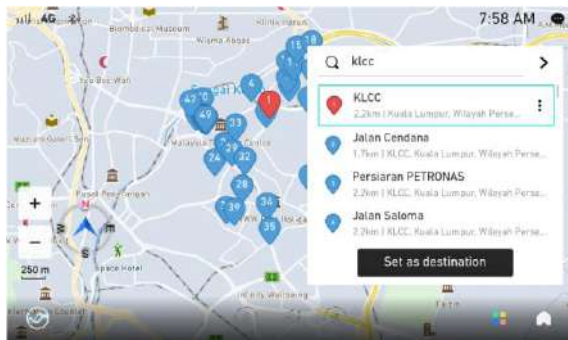
If the vehicle is connected to the network, the online map data can be used when searching the destination. Otherwise, the search result is based on the offline map data. Therefore, the results of online and offline search may be slightly different.

Search main screen

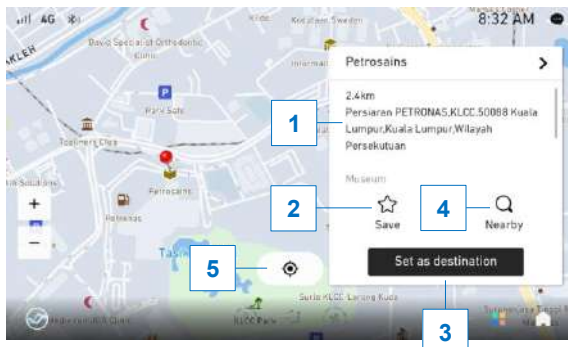


- 1 Keyword search:** You can enter keyword such as “Hotel” and the search results will be displayed.
- 2 Home:** Tap to directly plan the route from the current location to your home. If the home address is not set, tap to set the address first.
- 3 Favourite:** You can save your desired location in Favourite. When you need to navigate to a location listed in Favourite, just tap **Navigation > Search > Favourite** and then select it from the list of favourites.
- 4 Facilities near the current location:** Tap icon at (4) to search the facilities near the current location.
- 5 View and navigate recent destination:** If navigated (route navigation), you can tap icon at (6) in the list of recent destination to view the destination on a map and then navigate. Or tap icon at (5) to directly navigate to the destination.
- 6 Recent destination:** It shows the list of recent destinations.
- 7 More categories:** Tap icon at (7), you can view all categories and customized common categories.

Keyword search



Enter keyword such as “klcc” and the search results will be displayed. Then select an address to view the search location on the map.



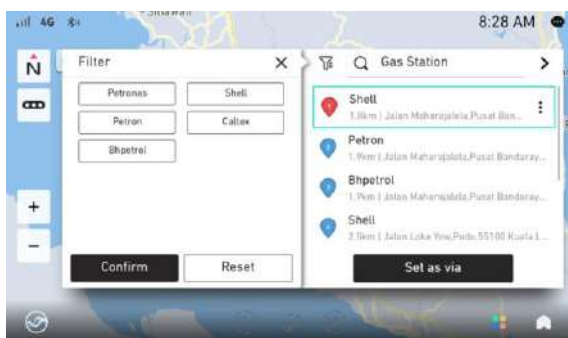
1 Quick facts: Tap to show the address, location, telephone and other information.

2 Save: Tap to add this location to favorites for searching it again conveniently.

3 Get direction: Tap set as destination, plan route to this destination.

4 Nearby: Tap to search facilities and roads near the location.

5 Return: Tap to return to the current location shown on the map.



Filter query results: If more searched results appear, you can select categories on left side of the filter menu for quick search results.

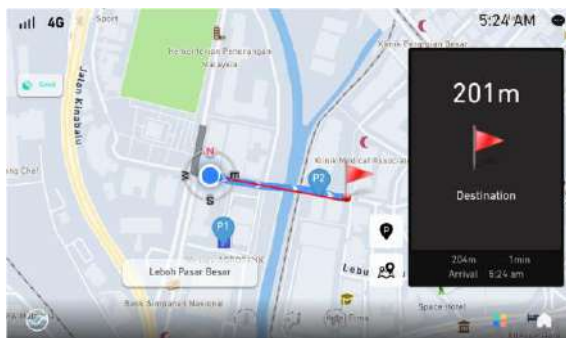
Navigation alert



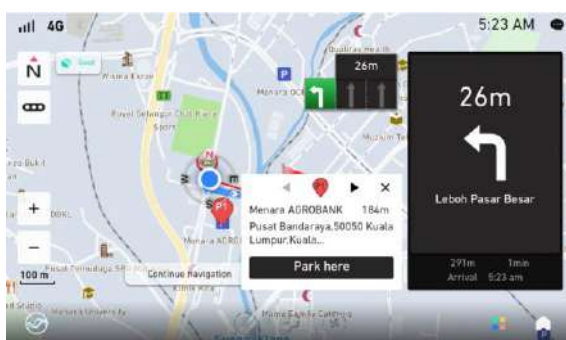
When navigation is active, image will be zoomed in when passing turn junctions.



When approaching destination, navigation system will automatically recommend parking lot for you.



You can view parking lot on the map.



Tap **P** icon to view the parking lot information.

5.2 Navigation update

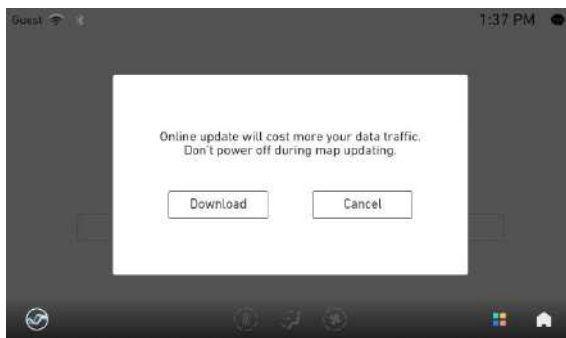
Offline map data update

Please visit authorised PROTON service outlet and ask the staff to update your offline map data.

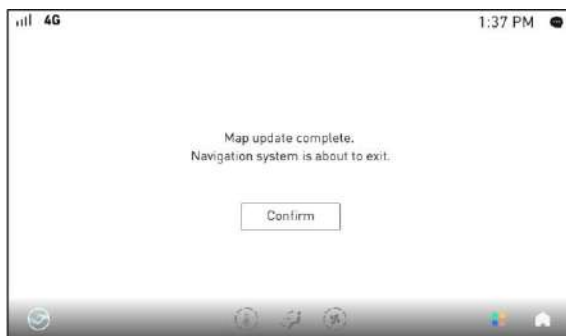
Online map data update



If new map data is detected, the navigation system will download the map data in the background. Upon completion of downloading and update, a prompt will appear to remind you to restart the navigation application to use the new map data.



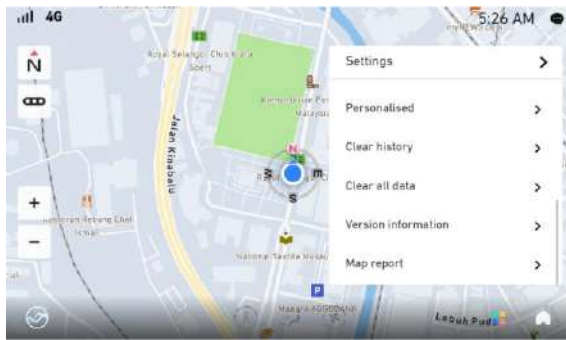
After you tap **Online map update**, you will be prompted that "Online map update will consume your network data and power off is not allowed during this period."



When download and update complete, you will be prompted to restart navigation to use the updated map.

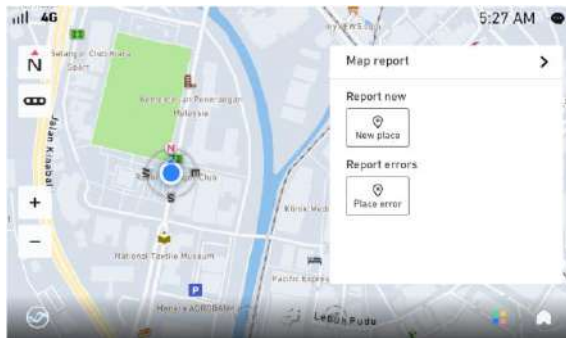
5.3 Map report

Map report

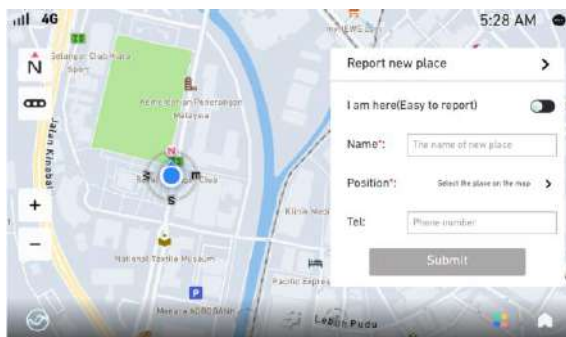


Under **Settings** page, when there is map problem that require reporting, you can operate the **Map report** function.

Report new place



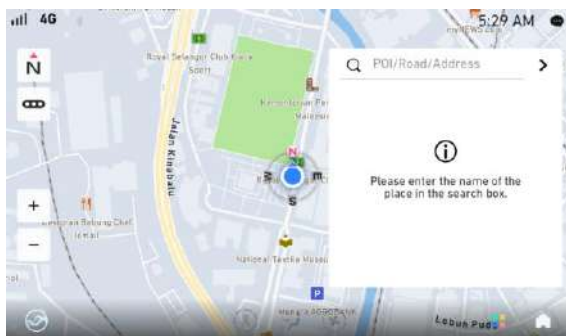
When you find a new place, but it does not exist in map data, you can use **Report new** function to report this new place.



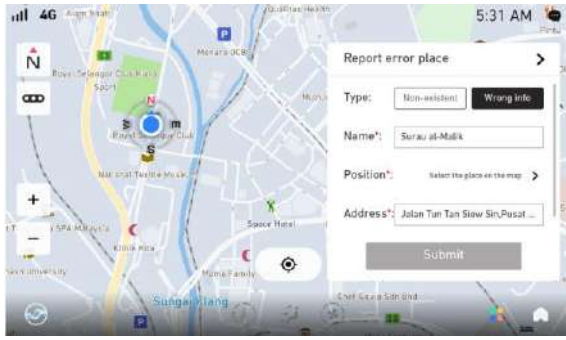
- **I am here:** Report vehicle's current location as a new place.
- **Name:** Enter the name of the new place.
- **Position:** Point out designate new place location on the map.
- **Tel:** Enter your telephone number.

Note: * is mandatory field to complete.

Report error location



When you find one location is not consistent with map data, you can report this error location.

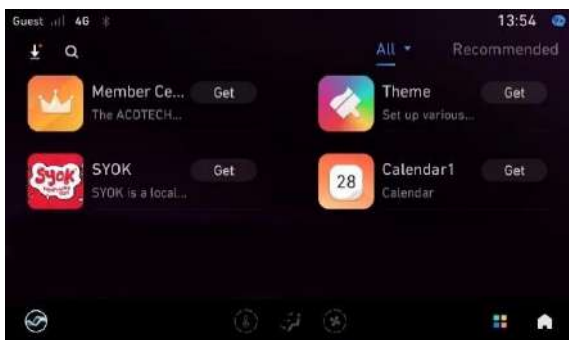


Enter the name of the error location and select the record in searching results.

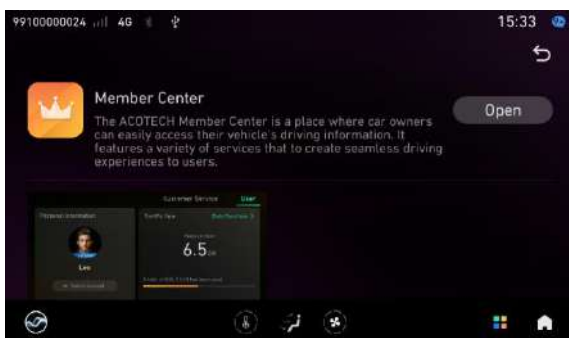
- **Type:** Select type of error.
- **Name:** Enter the name of the error location.
- **Position:** Point out the error location.
- **Address:** Enter error location address.

6. A-Store

A-Store allows users to download their preferable application to be installed on their IHU.

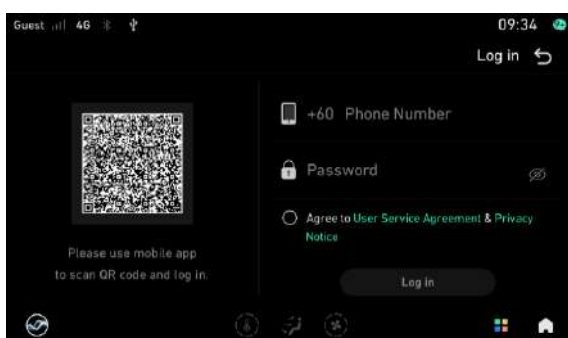


The A-Store provides a vast category of basic software, music, weather, theme, and other related software and services provided by various partners for the users to download.

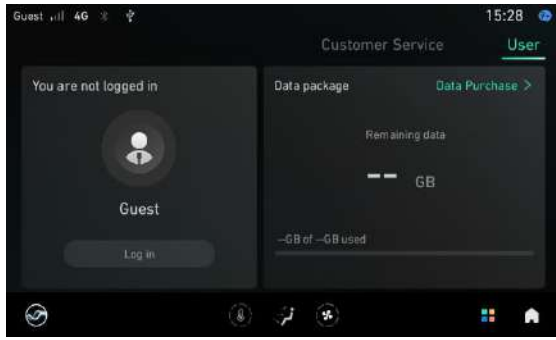


7. Member Center

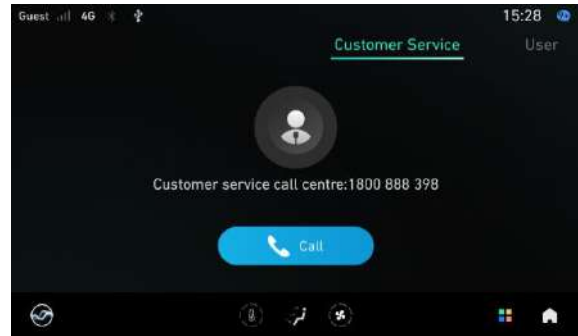
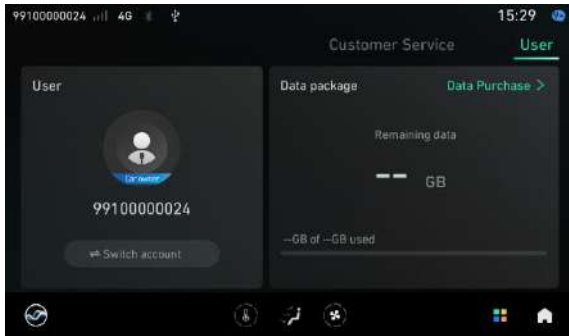
The ACO Tech Member Center is a place where car owners can easily access their vehicle's information. It features a variety of services to create a seamless driving experience to users.



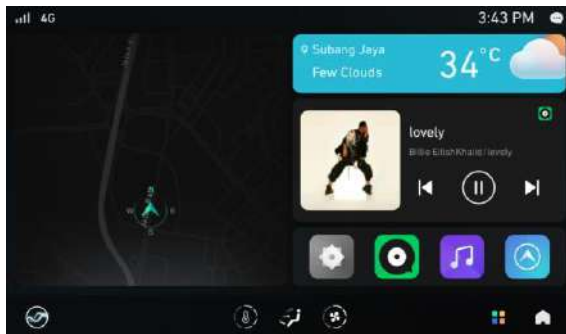
The user can use guest account or log in with phone number and password. It also supports the use of mobile application to scan the QR code displayed on the car's IHU (the associated account is linked to the car upon purchase to login).



After Log in, user can view their account information such as Nickname, and Profile Picture. At the same time, users can view the internet data and purchased data.



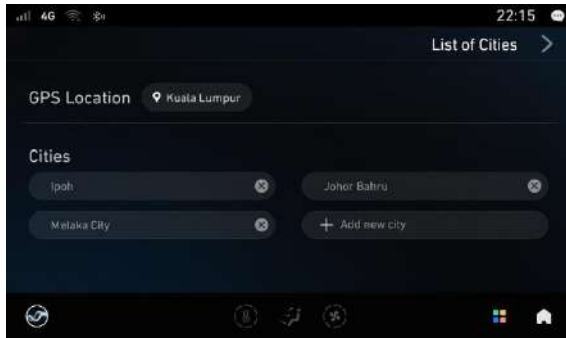
8. Weather



Tap **Weather** in the homepage to enter weather interface.

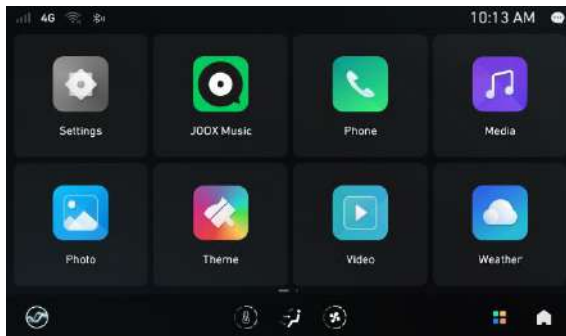


By default, the location shown is the city where the vehicle is currently located.



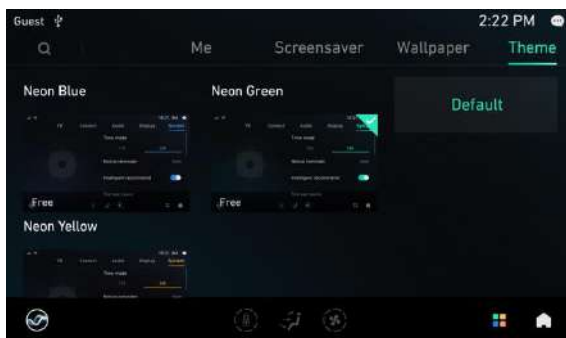
Tap **+ Add new city** to add more cities.

9. Theme



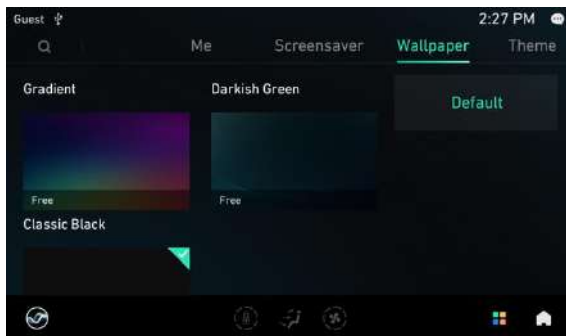
Tap **Theme** in the **App List** to enter the theme, screensaver and wallpaper interface.

Theme interface



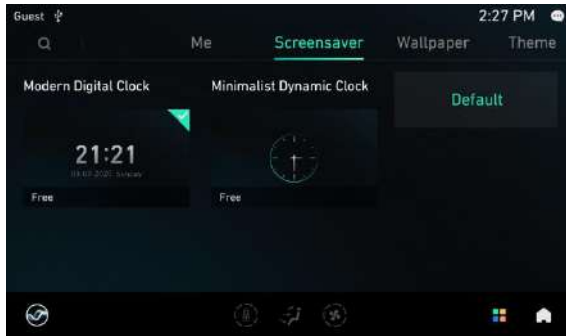
Tap **Theme** to enter the theme interface. You may choose the theme of your preference from the selection.

Wallpaper interface



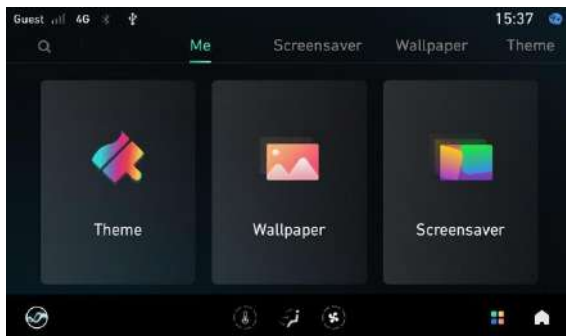
Tap **Wallpaper** to enter the wallpaper interface. You may choose the wallpaper of your preference from the selection.

Screensaver interface

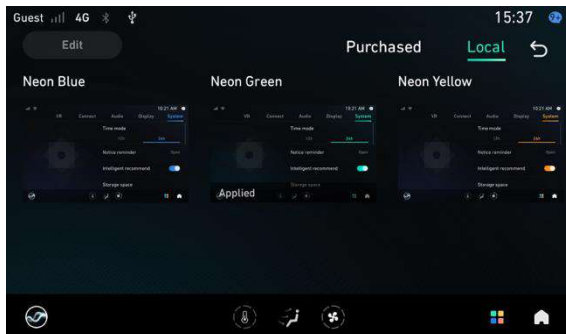


Tap **Screensaver** to enter the screensaver interface. You may choose the screensaver of your preference from the selection.

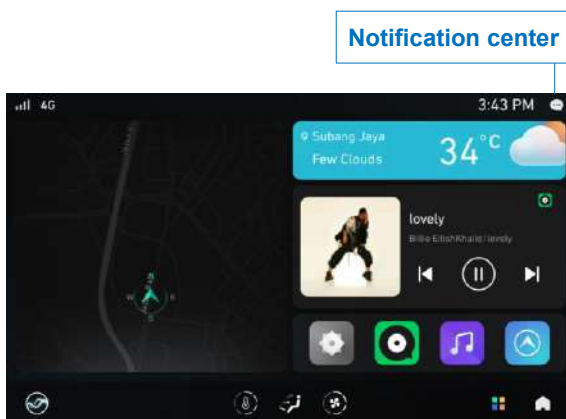
Me interface



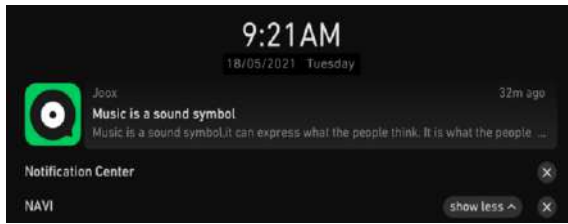
Tap **Me** to enter the me interface. Supports classification by "theme", "wallpaper", and "screensaver" to view, edit and delete the content that has been downloaded or purchased on the current IHU.



10. Notification Center



Tap **Notification center** to receive notification information or you can swipe down the icon to display or swipe up to hide.



11. Air Conditioning



- 1 Temperature:** Slide the control bar to regulate the air-conditioning temperature or tap ^ to increase the temperature or v to decrease the temperature.
- 2 Air direction:** Current blowing direction is displayed. There are five blowing modes: face-blowing mode, feet-blowing mode, defrosting mode, face-blowing/defrosting mode, and feet-blowing/defrosting mode.
- 3 Blowing rate:** There are seven levels of blowing rate range and OFF function. Slide the control bar to regulate the blowing rate or tap ^ to increase the blowing rate or v to decrease the blowing rate.
- 4 Air circulation mode:** Switchable between internal or external circulation modes.
- 5 Front windscreen defroster:** Activate or deactivate the front windscreen defrosting mode.
- 6 Mode:** Tap to switch between five blowing modes: face-blowing mode, feet-blowing mode, defrosting mode, face-blowing/defrosting mode, and feet-blowing/defrosting mode.
- 7 Rear windscreen defroster:** Activate or deactivate the rear windscreen defrosting mode.
- 8 A/C:** When this function is activated, the air-conditioning system starts to cool.

12.VR Voice

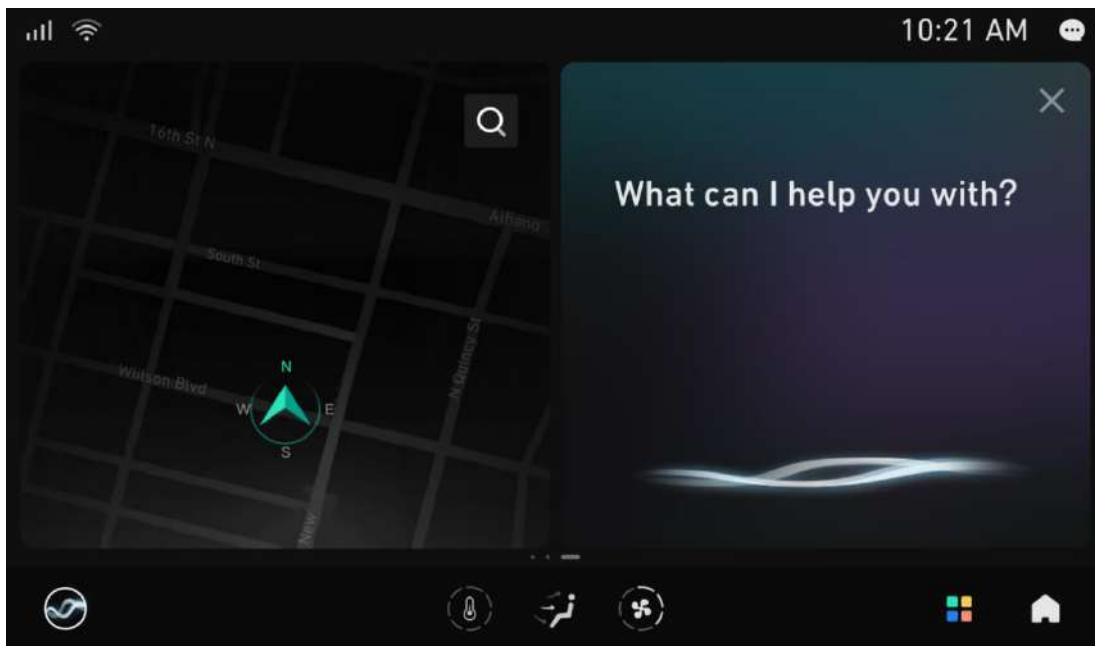
Voice recognition application or known as VR is an application similar to a voice assistant. It helps you to reduce your dependency on hands and eyes for in-car device operation to improve your driving focus and safety.

There are three ways to wake up VR.

1. Wake up word: **Hi Proton**
2. Long press **MODE** button on the steering wheel to wake up VR
3. Tap **VR** icon on main homepage

There are three ways to exit VR.

1. Exit voice command: **Exit / cancel**
2. Long press **MODE** button on the steering wheel to exit VR
3. Tap **X** icon on VR interaction interface



List of common voice command

Phone	
Phone call	Open phone record and address book
make a call	answer
please call	open Bluetooth phone
dial	use BT phone app
make a call to <name>	see contact
dial <name/number>	phone book
call <name/number>	call back missed call
call fire station	redial last call
please dial ambulance	
call emergency	

Music	
Turn music on/off	Others
open music / play music / music on / listen music	what song / song name / song title which artist / whose song
open BT music / play Bluetooth music / listen BT music	which album / album name / name of this album
online music / open JOOX music / play online music / play JOOX	add to favorite / save to my favorite last song / play last song / previous song
USB music / play USB music	play next / next song / skip song
pause music / pause song / stop music	

Radio	
Turn radio on/off	Others
tuner on	add station to favorite
open tuner	favorite this station
open radio	next radio / next tuner / next station
mute	previous radio / previous tuner / previous station
listen to / tune to / play FM <radio station frequency>	
listen to / tune to / play AM <radio station frequency>	
FM <radio station frequency>	
AM <radio station frequency>	

Settings	
Open applications and functions	Close applications and functions
WiFi connect / WiFi on / open WiFi	disconnect WiFi / WiFi off / close WiFi
open WiFi hotspot / turn on hotspot	close hotspot / turn off hotspot
Bluetooth connect / Bluetooth on / open Bluetooth	turn off Bluetooth / Bluetooth off / close Bluetooth

Settings	
Open applications and functions	Close applications and functions
navi on / open map / open navigation	stop navigation application / quit navigation app / exit navigation application
open BT phone app / open JOOX / open Theme / open Photo / open QDLink / open Media / open Weather app	close JOOX / close Theme / close Photo / close QDLink / close Media / close Weather app / back to homepage / homepage
Open settings submenu	Volume adjustment
open System settings / open Display settings / open Audio settings / open Connect settings / open VR settings	volume up / increase volume
	volume down / decrease volume
	silence please / mute / set to mute mode
	cancel mute / unmute / set to unmute mode
Screen brightness adjustment	Window control
adjust screen brighter / make screen brighter / brighten the screen	open window / open right window / right window open / open right side window
adjust screen darker / make screen darker / darken the screen	close window / close right window / right window close / close right side window
	open half window / half window open / window half open

Information	
Weather query	Date and time query
how is the weather today / what's the weather today	what is the date today / date for today
how is the weather in <city> / what is the weather in <city>	what is the time now / time now
how is the weather in <city> tomorrow / what is the weather in <city> on <day>	
what about tomorrow / what about <city>	
will it rain tomorrow in <city> / can I wash my car tomorrow in <city> / do I need an umbrella in <city>	
Wake word query	VR function query
who are you / introduction / introduce yourself	what can you do / capability

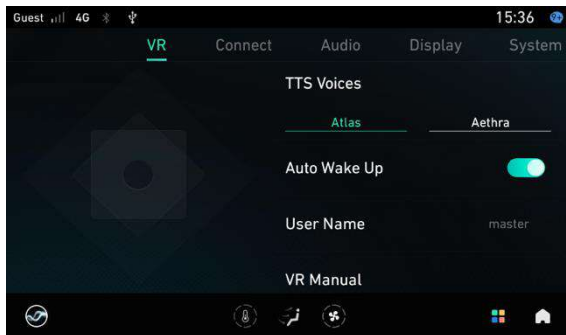
Air conditioning		
Temperature	Air volume adjustment	Others
open air cond / turn on AC / air cond on	increase fan / fan up / higher up fan level	switch on defroster / open defroster / turn on defrost
close air cond / switch off AC / air cond off	decrease fan / fan down / lower fan level	switch off defroster / close defroster / turn off defrost
set temperature to level <number>	turn fan level to <number> / change fan level to <number> / switch fan to <number>	switch on rear defogger / open defogger / turn on defogger

Air conditioning		
Temperature	Air volume adjustment	Others
temperature higher / temperature up / increase the temperature	low fan / fan level low / change to low fan level / low fan	switch off rear defogger / close defogger / turn off defogger
lower temperature / temperature down / decrease the temperature	medium fan / fan level medium / change to medium fan level / medium fan	turn on innerloop / switch on innerloop / recycle air
maximum temperature / turn AC to hottest / max temp	max fan / fan level high / change to high fan level / high fan	turn on outerloop / switch on outerloop / open fresh mode
minimum temperature / turn AC to coolest / AC minimum		
I feel hot / it is hot / it is a bit hot		
I am cold / it is cold / it is so cold / it is too cold / super cold / damn cold		

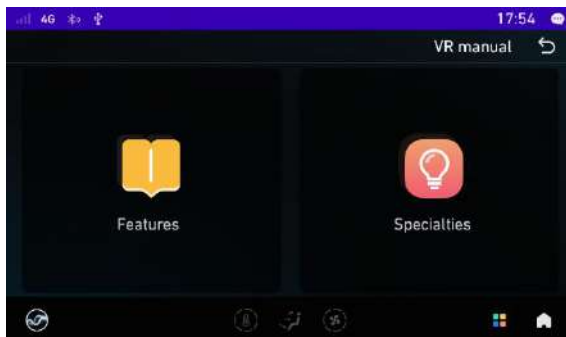
Navigation		
Navigation	Navigation control	Query
open map / open navigation / navigate / navi on	real time traffic mode on / view traffic info / traffic info	current location / show my location / locate me / where am i
go to <point of interest> / navigate to <point of interest>	real time traffic mode off / close traffic / traffic info off	distance to go / how far more / how much further to destination / current distance
I want to go to office / office / go to work	map large / zoom in / larger map	how much longer / how long to destination / how many hours to destination
home / I am going home / go home	map small / zoom out / smaller map	I want to park
close navigation / close map / navi off	switch to 2D / 2D mode / map 2D	my car needs refuel / I need petrol station
	switch to 3D / 3D mode / map 3D	I want to take money
	select head up mode / switch to head up / head up	I want to pee / I need to go to the toilet
	always north / select north up / switch to north up	search bank along the way / find bank along the route / show me bank on the route
		set waypoint <point of interest> / set <point of interest> as waypoint
		Delete waypoint / clear all waypoints

No wake-up voice (voice command that does not require wake up word activation)	
Function	Voice command
Music	play music / stop music / next song / previous song
Radio	next station / previous station
Volume	volume up / volume down
Navigation	start navigation / open map / zoom in / zoom out / close map
Back to homepage	homepage
Song information query	who is the singer / what song

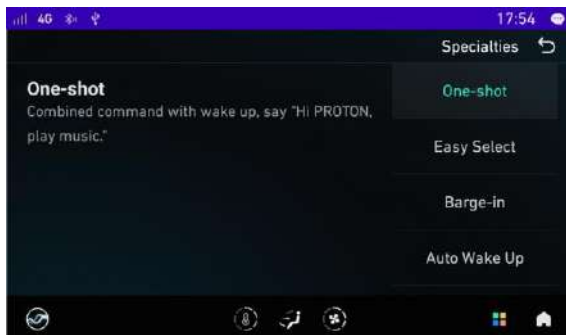
VR manual



On homepage, tap **Settings** > **VR** to customize the voice settings such as change TTS voices, enable or disable auto wake up function and set user name.



Tap **Manual** > **Features** to find the voice supported functions and features characteristics.



Tap **Manual** > **Specialties** for VR functions and examples of voice commands.

13. Settings

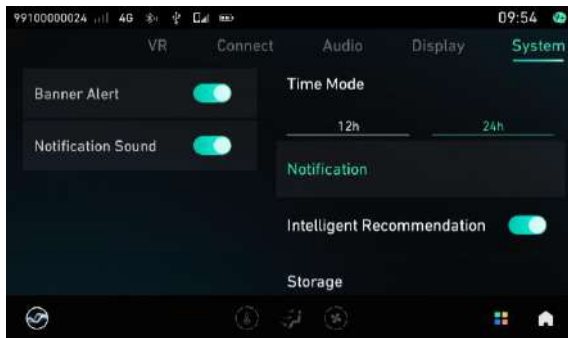
13.1 System

Time mode



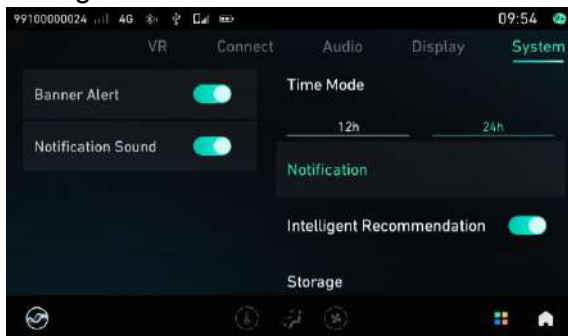
On homepage, tap **Settings > System > Time mode** to select **12h** (12-hour clock format) or **24h** (24-hour clock format).

Notification



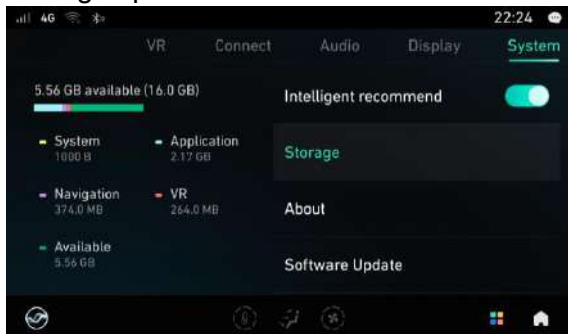
Tap **Notice reminder** to enable or disable the reminder and the sound or notification alert.

Intelligent Recommendation



Tap **Intelligent recommendation button** to "turn on" or "off" the intelligent recommendation function. After closing, the system will no longer show intelligent recommendation content.

Storage space



This screen displays storage space allocation status in the IHU.

Storage space consists of 5 sections:

System: display the system used space.

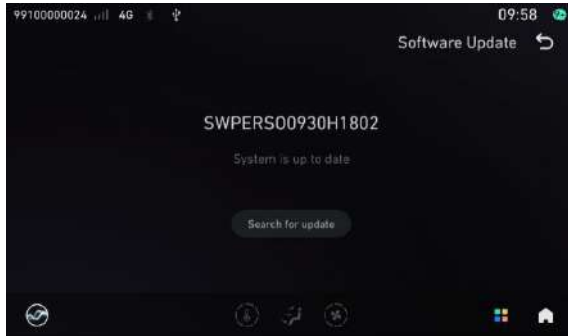
Apps: display the Apps downloaded from Apps store and their data used space.

VR: VR local data used space;

Map: Navigation local data used space;

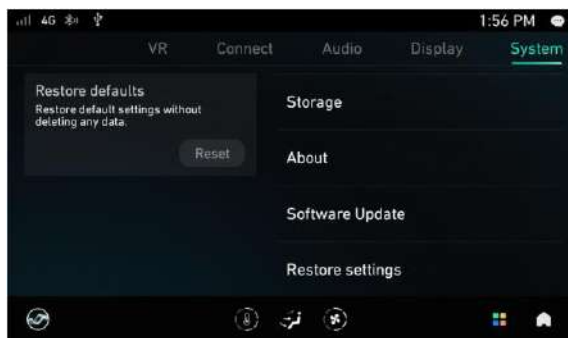
Available space: Remaining space.

Software update



Tap **Software Update** to check the software version and its update status.

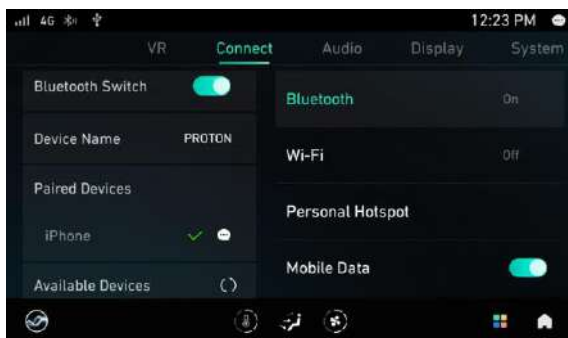
Restore default settings



Tap **Restore settings** to reset all setting items to its default.

13.2 Connection

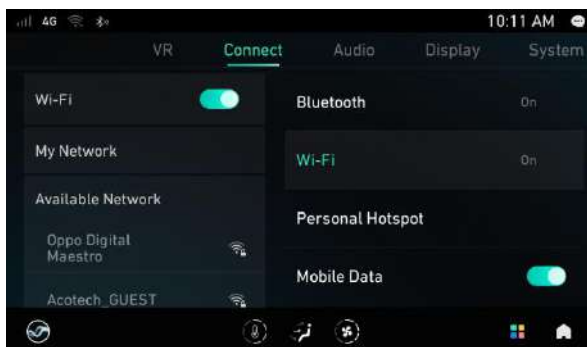
Bluetooth



On homepage, tap **Settings** > **Connect** > **Bluetooth Switch** to activate the Bluetooth function.

For Bluetooth phone pairing, see [Bluetooth Pairing and Connection](#)

Wi-Fi

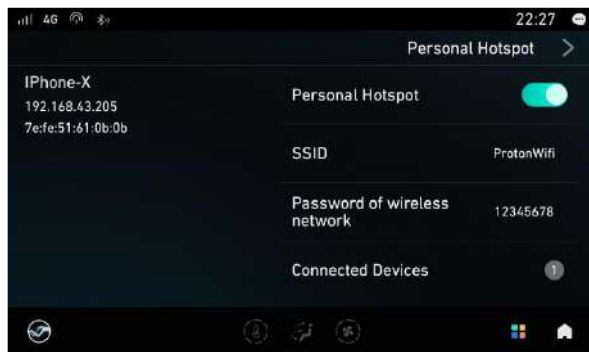


Tap **Wi-Fi** to allow the infotainment head unit to connect to external Wi-Fi connection.

Choose from a selection of available Wi-Fi networks.

If prompted, type in the network password and press connect.

Personal hotspot

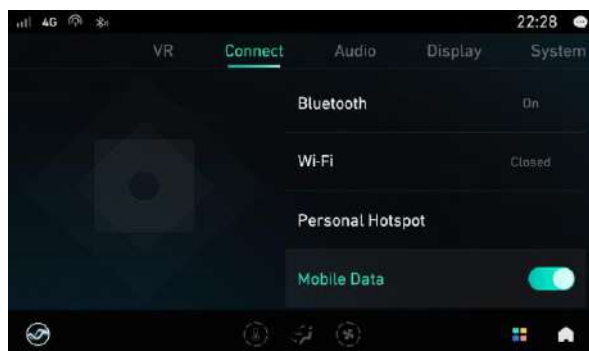


Tap **Personal Hotspot** to allow the infotainment head unit to share its internet.

Select **SSID** to rename the personal hotspot.

Select **Password of wireless network** to edit the password of the personal hotspot.

Mobile data

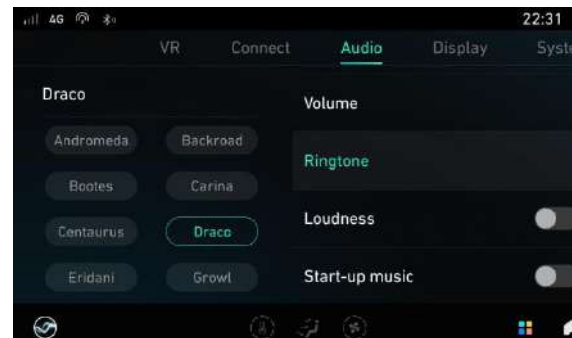
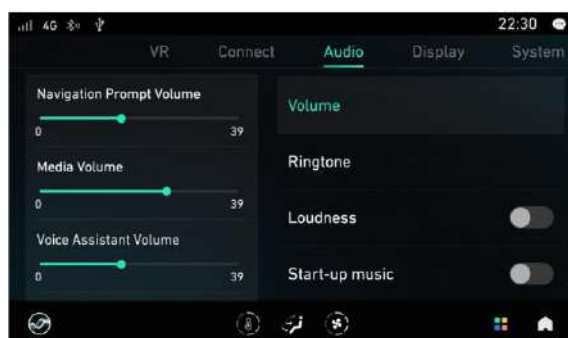
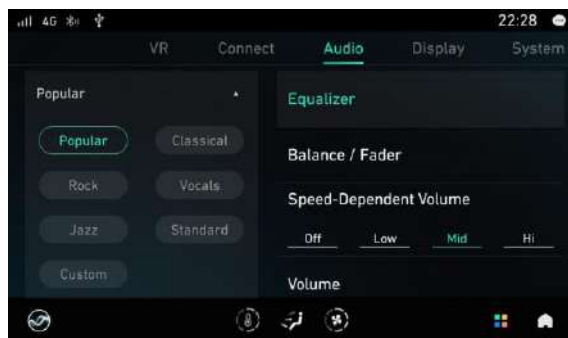


Tap **Mobile Data** to allow the infotainment head unit to use its own internet mobile data.

The default setting is open. You may switch to close.

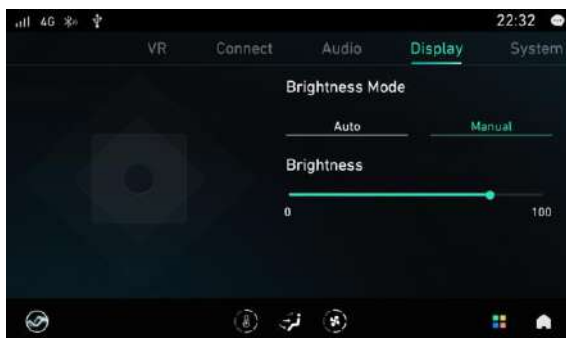
13.3 Audio

On homepage, tap **Settings** > **Audio** to view the available audio settings.



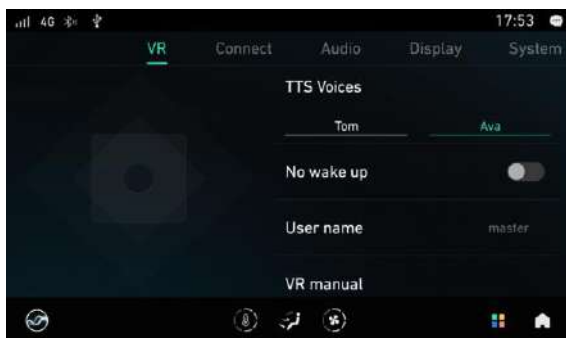
1. **Equalizer:** Adjust different equalizer parameters.
2. **Balance / Fader:** Adjust different balance / fader effect.
3. **Speed-Dependent volume:** Increase entertainment volume to compensate tire noise as vehicle speed increases. It can be set to off, low, middle and high.
4. **Volume:** Regulate all types of volume to up and down.
5. **Ringtone:** There are 12 unique sounds available to choose.
6. **Loudness:** Enable or disable loudness compensation.
7. **Start-up music:** Enable or disable sound at start-up.

13.4 Display



On homepage, tap **Settings > Display** to view the available display settings.

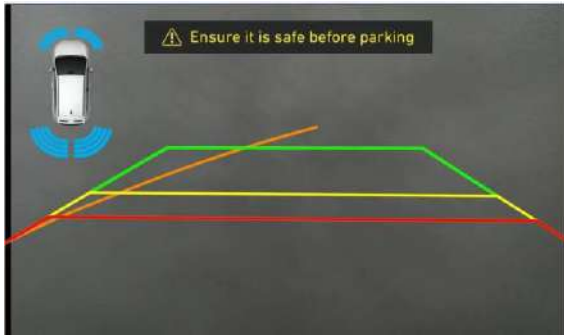
13.5 VR



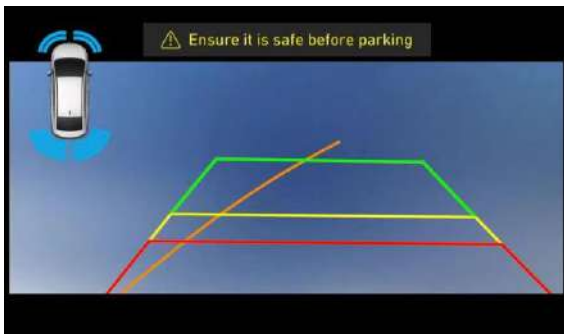
On homepage, tap **Settings > VR** to view the available VR settings.

1. **TTS Voices:** You may choose Atlas (male voice) or Aethra (female voice). The default setting is Aethra.
2. **No wake up:** You may enable or disable this function. This is used in a few functions namely Music, Radio, Navigation, Window, Volume and back to Homepage. The defaults setting is enable.
3. **User name:** You may set the user name using 2 to 12 characters. This user name is the addressing word that VR system response to you. The default setting is "Sir".
4. **VR manual:** Tap to open the manual. See [VR Voice](#)

14. Reverse Parking



When gear shift to R gear: Reverse camera screen will be displayed when engage R gear under power on, screen saver and power off. If rear radar detects any surrounding obstacles, radar sound and screen warning will be given. It will display the front radar band and front radar alerts.



When shift from R gear to non-R gear: Exit reverse camera screen. When the vehicle speed is equal and less than 20km/h, it will display front radar alerts.


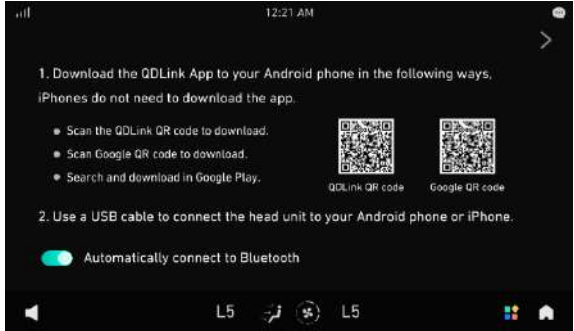
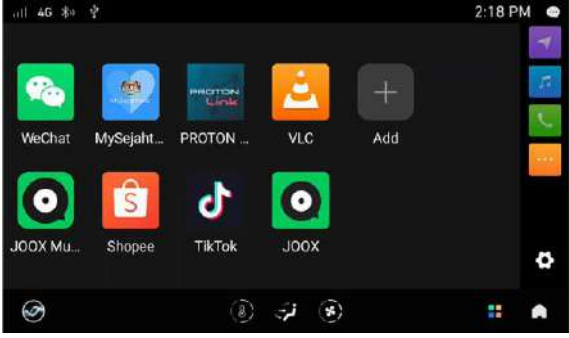

15. Mobile Phone Connectivity with QDLink App

Both Android and iOS phones use USB connection mode.

Application Help: The help page provides information of connection help, app download, connection status, mobile phone type and the Bluetooth auto-connection switch of Android phone.

When Bluetooth is connected: The call sound output from the car stereo.

When Bluetooth is not connected: The sound output from the phone speaker.

Android	iOS
<ul style="list-style-type: none"> • Ensure that QDLink app has been installed on the mobile phone or download and install it through Connection Help. • USB connection requires user permission to use USB accessory mode. Select the checkbox and tap OK to use. • Support screenshots. Select the checkbox and tap Start to use. 	<ul style="list-style-type: none"> • Does not require to install QDLink app on mobile phone. • Connect iPhone to the infotainment head unit via USB cable. • The phone will prompt you whether to trust the device when connecting to the infotainment head unit for the first time. Tap Trust and enter the password to unlock. It is not necessary if the phone does not have a lock screen password.
	
	

16. Internet Data Add-on via MyProton App

To purchase data add-on, make sure you have installed and created MyProton app account.

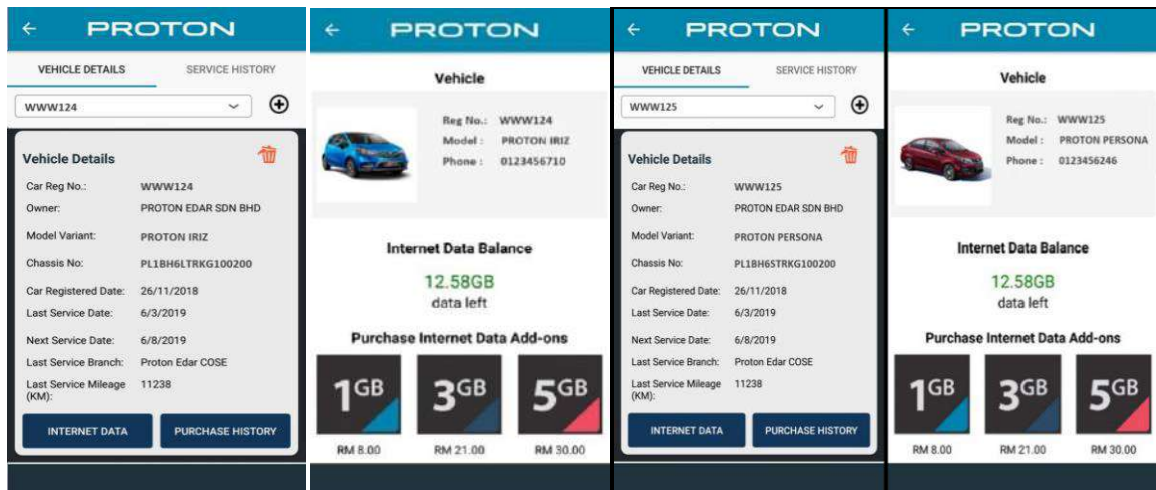
Download and install MyProton app on mobile phone:

1. Download **MyProton Official** app from application market and install on your mobile phone.
2. Open MyProton Official app, tap **Sign up** for registration.
3. You will receive an email for your verification.
4. Upon successful verification, you will receive activation account success message.
5. Then you may proceed to log in MyProton app.

Note: It is important that the correct email address is being used during sign up at MyProton app.

Login MyProton app:

1. Login
2. Select **MyCar**
3. Select **+** to key in car registration number and other details.
4. Select **ADD CAR** to save the record. The vehicle details will appear.
5. Select **INTERNET DATA** to purchase internet data add-on package and follow the instructions given.



www.proton-edar.com.my
PROTON EDAR SDN. BHD.
Centre of Excellence Complex
KM33.8 Westbound Shah Alam Expressway
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia
1-800-888-398

TYPE II EXECUTIVE



PROTON
INSPIRING CONNECTIONS

PROTON

Infotainment System

Operating Instruction



1. Precautions

Thank you for purchasing this product. Please read through the Owner's Manual to learn how to properly operate the unit. After you have finished reading the manual, please keep it in a safe place for future reference.

Only connect the unit to a 12-volt power supply with proper negative grounding.



Do not install this unit where the operation and condition for driving safely is compromised.



Do not use the video playback while the car is in motion. The use of video playback while driving is a violation of traffic laws and increases the risk of traffic accidents.

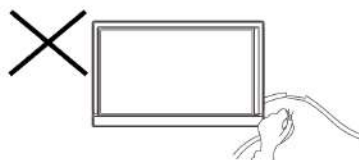


To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

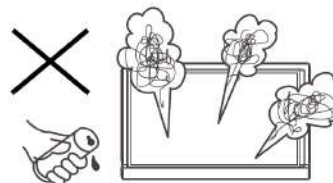
Never expose this unit, amplifier or speakers to moisture or water to prevent electronic sparks or fires.



Please do not change the fuse on the power cord without professional guidance. Using an improper fuse may cause damage to this unit or even cause fire.



Please turn off this unit immediately and send it back to the after-sales service center if the following symptoms are found:



- (a). No audio output;
- (b). No image output;
- (c). Water or other obstacle enters the unit;
- (d). Smoking;
- (e). Unusual smell.

To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

1. Precautions






1. Never disassemble or adjust the unit without any professional guidance. For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or LCD screen is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may create scratches or discoloration to the screen.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual.
4. If the car was parked in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using the air conditioner with very low temperature may result in condensation buildup inside the unit, DO NOT use the unit in this situation. If the unit still does not work after a few hours, please contact the service center.
6. Do not impact the LCD screen which could cause damage.
7. To prevent damage to the screen, avoid touching the screen with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used. However, some illustrations are different from the actual images displayed on the screen.
9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee is not valid if the problem is caused by inappropriate operation.

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3. Control Panel



NO.	ICON	FUNCTION DEFINITION
1	 POWER/MUTE	In operation: Mute audio source (short press) Show clock menu (long press) In standby mode: Awake (short press)
2	 VOL+	Increase the volume level
3	 VOL-	Decrease the volume level
4	 HOME	Go to main menu
5	 BACK	Back to previous menu

4. Basic Operations


Standby/Awake

1. When it is on, long press [] button to enter standby mode and show clock menu.
2. Press [] button again to awake the unit.

Note:

If the “screen saver” is activated in the setting menu, the display will be turned off automatically after a period of inactivity. The audio outputs normally.

Mute

During playback, press the [] button to mute the audio.

Note:

- Pressing the [] button again or adjusting volume will unmute the audio.

Adjust the Volume

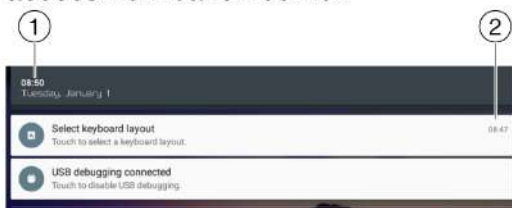
You can adjust the volume in steps from 0 (off) to 30 (maximum).

Press the [] / [] button to change the volume.




Notification Center

Swipe down from the top of the screen to access notification center.



1. System time
2. Notification time when this operation happened

Playing Source Selection


Press the [] button on the panel to show main source menu.










Touch desired icon to enter corresponding mode:

1. EasyConnection
2. Gallery
3. File Manager
4. Task Manager
5. Music mode
6. Radio mode
7. Bluetooth phone mode
8. Video mode
9. Settings mode

5. Radio Operations

Select [] on the main menu to enter radio mode.



1. Tune backward
Auto tune backward (long press)
2. Current frequency
3. Tune forward
Auto tune forward (long press)
4. Band switch
5. Control Options
 -  : Mark/Cancel favorite station
 -  : Mute radio
 -  : To receive local/distant radio stations
 -  : Go to station by inputting frequency
 -  : Enter EQ menu
 -  : Show favorite list
 -  : Show preset station list
6. Search and store preset stations automatically
7. Back
8. Source selection
9. Stations list

Select One Radio Band

Touch the [**FM**] button on the screen to switch radio band to AM, and the icon will be changed to “AM”.

Touch the [**AM**] button to switch radio band to FM.

Manual Tuning

During manual tuning, the frequency will be changed in steps.

Touch the [] or [] button on the screen to tune to a lower/higher station.

Auto Tuning

Hold the [] or [] button on the screen for more than 2 seconds to seek a lower/higher station.


To stop searching, repeat the operation above or press other buttons.

Note:

When a station is received, searching stops and the station is played.

Auto Store

Only stations with sufficient signal strength will be detected and stored in the memory.


To start automatic station search, touch the [] button.

To stop searching, repeat the operation above or press other buttons.

Note:

After auto store, the previous stored stations will be overwritten.

Manual Store


1. To manually store a radio station, touch [] to show preset station list.
2. Touch and hold the current station on the list to store in the memory.





5. Radio Operations

Recall the Stored Stations

Method 1:


1. Touch [] button on the screen to show the preset stations.
2. Select a band
3. Scroll the display list of radio stations left/right to choose desired station.

Favorite Station

1. Touch [] to add favorite radio station to favorite station list.
2. To find favorite radio station, touch [] button on the screen to show the favorite station list.
3. Scroll the display list of radio stations left/right to choose desired station.

Local Seeking


In Local seeking mode only radio stations with strong radio signal will be received.

To open Local function, touch the [] button to select "Local".

Note


The number of radio stations that can be received will decrease after the Local seeking mode is on.

Key Search

Touch [] button on the screen to show key search menu.

Touch the keypad to input the frequency, touch [OK] to go to the station directly.



To erase an input number, touch [].


6. USB Operations

Using USB device

Connect your USB device to the USB connector.

When connecting an USB device, the unit will read the files automatically.

Music Playback

Select [] on the main menu, the unit will start playing the music from USB storage.



1. Select storage source
2. Previous track
3. Play/Pause
4. Next track
5. Mark/Cancel favorite track
6. Show EQ menu
7. Show list menu
8. Sequential play
9. Repeat play

List menu:



10. List window
Drag up/down to scroll.
Touch an item to select.
11. Favorite mark
12. List of favorite songs
13. List of new songs
14. List of songs



15. List of songs by artist
16. List of songs by album
17. Show all music files
18. Return to previous menu
19. Source selection
20. Enter search menu

Playing Source Select

Touch arrow on upper left area of the playing screen, and select a music source from the pop-up menu.

Local

Play the music files stored in the unit's internal storage.

USB Music

Play the music files in the USB storage. If there is no USB device connected, the option cannot be selected.

Bluetooth

Play the music of Bluetooth device. If there is no paired Bluetooth device, the Bluetooth pairing menu appears.

Play/Pause

During Playback, press [] button to pause and the sound will be mute.
Press [] button to play.


Previous/Next Track

Press [] or [] button to go to previous or next track.


6. USB Operations

Playlists


Add a song to favorite playlist

1. Select a song.
2. Press [] to add song to favorite playlist.
The outline of star icon will turns blue.

Delete a song from favorite playlist

1. Touch [Favorite] on the list menu.
2. Press [] to remove the song from favorite playlist.

Video Playback

Select [] on the main menu to enter video mode.

Touch arrow on upper left area to select the playing source from Local and USB storage.




1. Select storage source
2. List window
Drag up/down to scroll, touch to play video.
3. Current playing video
4. Return to previous menu
5. Source selection
6. Switch list mode

Select a video from the list to start playback.
During playback, touch the screen to show control buttons.



7. Video list
8. Previous chapter
9. Play/Pause
10. Next chapter
11. Sequential play
12. Enter preset EQ menu
13. Repeat play

Gallery Operations

1. Select [] on the main menu.
2. Touch arrow on upper left area of the screen to select picture source.



3. Touch to view it.



Touch on Prev/Next button to view next or previous pictures.

Notes


- Disconnect USB storage devices from the unit when not in use.
- Do not use unauthorized products.

7. Bluetooth Operations

The Bluetooth allows you to utilize your car's built-in audio system for handsfree wireless mobile phone or music communication. Some mobile phones have the bluetooth audio features, and some portable audio players support Bluetooth features. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to access phone book, view call logs, make calls, and listen to music.

Notes:

- This system will not operate or may operate improperly with some Bluetooth audio players.
- The unit cannot guarantee the compatibility of all mobile phones together with the unit.
- Audio playback will be set to the same volume level as set during telephone call. This can cause problems, if extreme volume level is set during the telephone call.

Touch [] on the main menu to enter Bluetooth Phone mode.



1. If the Bluetooth function of the unit is off, the unit will ask you to turn it on. (Default setting is on)
2. Turn on Bluetooth function of your mobile phone.
3. Search for new Bluetooth devices on your phone. Select the device name from the pairing list on the mobile phone to connect. (Default password: 0000)

Or touch [ Scan] button on the screen to search mobile Bluetooth devices.

After connect successfully, the unit show following menu.




Touch [+] button on the screen to add a contact to favourite list.

Touch a contact on the list to call out.

Long press on selected contact to remove it from the list.


Making a Call


• Dial Number

1. Touch [] to enter dial pad.



2. Input numbers from the dial pad on screen.


Touch [] to delete digits.

3. Touch [] button to dial out.



4. Touch [] button to terminate call.

• Answering a call




You can answer an incoming call by pressing the [] button.

Touch [] button to reject an incoming call.




7. Bluetooth Operations

Call from Phonebook

1. Touch [] button to access phone book.
2. Select a number to dial out.
3. Touch [] to search a contact name.
4. Touch [] to add a contact.


Call History

Access Call History by touching [] button.



Select a number to dial out.

Disconnect

To disconnect a paired device, touch [] button.

Bluetooth Settings

Touch [] button in the Bluetooth Device pairing menu to show Bluetooth setting menu.



Select [Phone Book Sync] to synchronize the phonebook of your phone to the device.

Bluetooth Audio Streaming

What is audio streaming?

Audio streaming is a technique for transferring audio data so that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers. Please consult your nearest dealer for more information on the product of wireless audio streaming transmitter offered.

CAUTION

Please avoid operating your connected mobile phone while audio streaming as this may cause noise or the sound to cut in and out on playback.

Audio streaming may or may not resume after telephone interrupt as this is dependent on your mobile phone.

Select [**Bluetooth**] in Music mode to play songs on your mobile phone.



 : Previous track

 : Play/Pause

 : Next track

 : Enter EQ menu

 : Switch to phone

 : Disconnect the phone

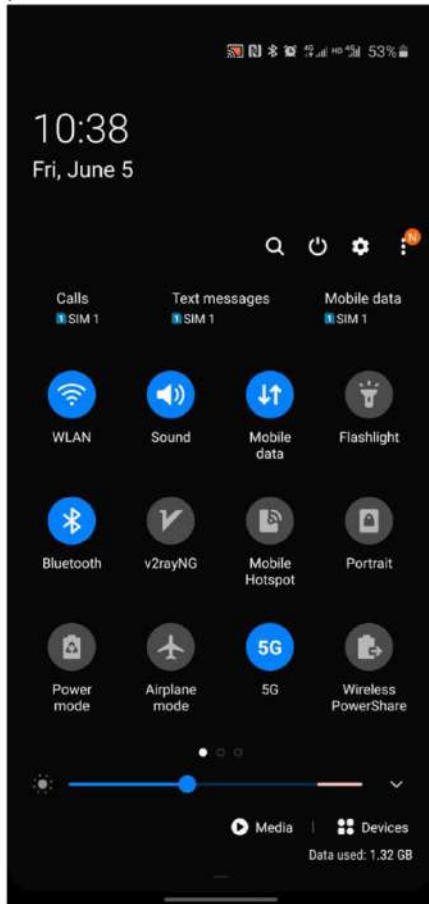
7. Bluetooth Operations

FAQ

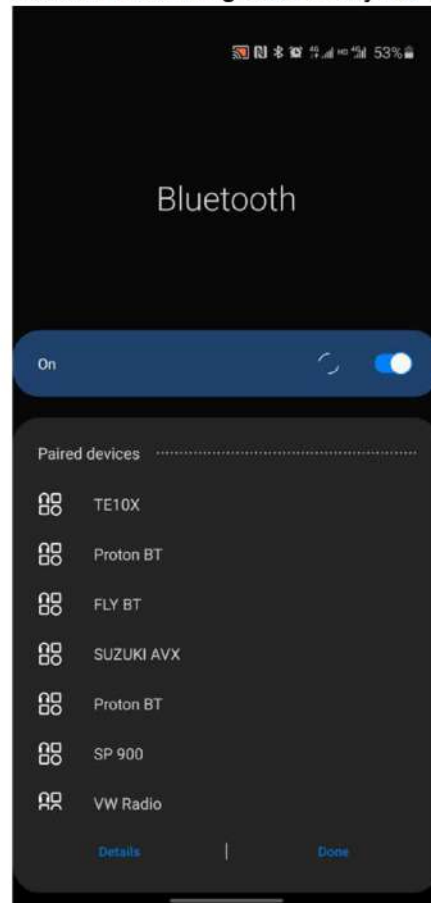
Some of Bluetooth devices cannot be found by usual operation.

Please try the following steps:

1. Turn on the Bluetooth of your mobile phone.



2. To turn on the Bluetooth scanning menu of the phone, and make sure that the phone is in visible status. For some models, you need to turn on the Bluetooth Visibility in Bluetooth setting menu of your phone.




8. Other Modes

EasyConnection

This product is used to connect Android phone with device, which allows users to enjoy convenient and efficient customizing service in the car, and extends the function of mobile phone to the car at the minimum cost.

Start

Click [] in the main menu to activate the mobile interconnection function.

Start connection

After startup, connection interface is displayed, you can view the help and connect your cell phone that requires interconnection.



For some versions of Android (only Android 5.0 and above), need to start Android phone [USB debugging]:


The operations of Android phone's entering [Setting] are as follows (since the Android phone versions are not the same, it roughly has two conditions):

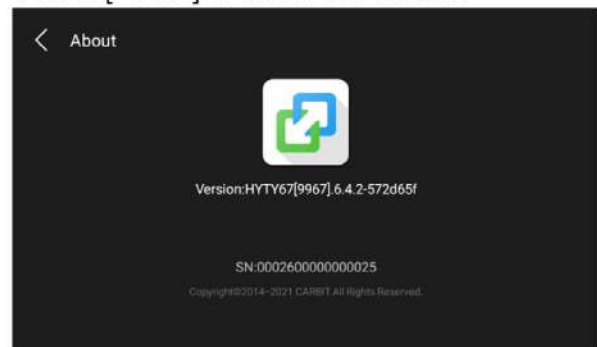
- Existence of [Developer options]: Click [Additional settings]-Click [Developer options]-click to open [Start developer options]-click to open [USB debugging]-determine to allow.
- Inexistence of [Developer options]: Click system version number (interior version number) for 7 times, then back to setting and click [Developer options]-click to open "Start developer options"-click to open [USB debugging]-determine to allow.

Entering connection prompt

1. Correctly connect USB cable.
The connection mode must be data transfer.
Select Trust the device on your Phone if necessary.
2. If the Android phone is not installed with EasyConnection App, touch [Download APP] and scan the 2D code to install the App to the phone.
3. Open the EasyConnection App in your phone, and the screen will transfer to the car device.

More

Touch the [] icon on top right of the screen to enter More information interface. Select [About] to show the details.



8. Other Modes

Supported Phone List

NO.	Brand	Model	System version
1	HUAWEI	P9	8.0.0
2	HUAWEI	P9 plus	7.1.1
3	HUAWEI	P10	9.0.0
4	HUAWEI	P20	9.0.0
5	HUAWEI	P20 Pro(CLT-AL01)	10.0.0
6	HUAWEI	P30 Pro(VOG-AL00)	9.0.0
7	HUAWEI	P30(ELE-AL00)	9.0.0
8	HUAWEI	P30	10.0.0
9	HUAWEI	P30 Pro	10.0.0
10	HUAWEI	V7	8
11	HUAWEI	Mate 7	6.0.0
12	HUAWEI	Mate 8	7
13	HUAWEI	Mate 9	9.0.0
14	HUAWEI	Mate10	9.0.0
15	HUAWEI	Mate 10 Pro	8.0.0
16	HUAWEI	Mate 20i(HRY-AL00TA)	9.0.0
17	HUAWEI	Mate 20 X(EVR-AL00)	9.0.0
18	HUAWEI	Mate 20 Pro	9.0.0
19	HUAWEI	Mate 20	9.0.0
20	HUAWEI	Mate 20 Pro	10.0.0
21	HUAWEI	Mate 30	10.0.0
22	HUAWEI	Mate 30 Pro	10.0.0
23	HUAWEI	Manmao 4	6.0.1
24	HUAWEI	Manmao 5	7
25	HUAWEI	Manmao 6	7.0.0
26	HUAWEI	Manmao 8(POT-AL00)	9.0.0
27	HUAWEI	Nova	7.0.0
28	HUAWEI	Nova 2	7
29	HUAWEI	Honor Nova 2s	8.0.0
30	HUAWEI	Honor Nova 3i	8.0.0
31	HUAWEI	Nova3E	8
32	HUAWEI	Nova 4	9.0.0
33	HUAWEI	Nova 4e(6GB RAM)(MAR-AL00)	9.0.0
34	HUAWEI	Nova 5	10
35	HUAWEI	Nova 5 Pro	8.1.0
36	HUAWEI	Nova 6	10
37	HUAWEI	Changxiang MAX	8.1.0
38	HUAWEI	Changxiang 5S	5.1.0
39	HUAWEI	Changxiang 5	5.1
40	HUAWEI	Changxiang 6S	6.0.0
41	HUAWEI	Changxiang 7 Plus	7
42	HUAWEI	Honor Magic2	9.0.0
43	HUAWEI	Honor play(COR-AL00)	8.1.0
44	HUAWEI	Honor note10	8.1.0
45	HUAWEI	Honor 4A	5.1.1
46	HUAWEI	Honor 7i	6.0.0
47	HUAWEI	Honor 7X	7.1.1
48	HUAWEI	Honor 8(FRD-AL00)	8.0.0
49	HUAWEI	Honor 8X(4GB RAM)	8.1.0

8. Other Modes

50	HUAWEI	Honor V8	7.1.0
51	HUAWEI	Honor 9	8.0.0
52	HUAWEI	Honor 9 Lite	8
53	HUAWEI	Honor 9x	9.1.0
54	HUAWEI	Honor V9	8
55	HUAWEI	Honor V10	9.0.0
56	HUAWEI	Honor 10	9
57	HUAWEI	Honor 10	10
58	HUAWEI	Honor 20(8GB/256GB)	9.0.0
59	HUAWEI	Honor 20 pro	10
60	HUAWEI	Honor 20i	10
61	HUAWEI	Honor V20(6GB RAM)	8.1.0
62	HUAWEI	Honor 30	10
63	HUAWEI	Honor V30	10
64	HUAWEI	Changwan 5	5.1
65	HUAWEI	Changwan 5C	6
66	HUAWEI	Changwan 5A	6.0.0
67	HUAWEI	Changwan 5X	9.0.0
68	HUAWEI	Changwan 6X	7.0.0
69	HUAWEI	Changwan 7x	7
70	HUAWEI	G9 Young	6.0.0
71	XIAOMI	play(M1901F9E)	8.1.0
72	XIAOMI	MIX	7.0.0
73	XIAOMI	MIX 2	9.0.0
74	XIAOMI	MIX 3	9.0.0
75	XIAOMI	4C	5.1.1
76	XIAOMI	5	8.0.0
77	XIAOMI	5x	8.1.0
78	XIAOMI	6	8.0.0
79	XIAOMI	6X	9.0.0
80	XIAOMI	8	9.0.0
81	XIAOMI	8 Young(lite)	8.1.0
82	XIAOMI	8	9.0.0
83	XIAOMI	8 SE	9.0.0
84	XIAOMI	9	10.0.0
85	XIAOMI	9 SE	9.0.0
86	XIAOMI	9 SE	10.0.0
87	XIAOMI	10 Pro	10.0.0
88	XIAOMI	MAX	7.0.0
89	XIAOMI	MAX2	7.1.1
90	XIAOMI	MAX3	9.0.0
91	XIAOMI	note	6.0.1
92	XIAOMI	note3	8.1.0
93	REDMI	REDMI5 PLUS	7.1.2
94	REDMI	REDMI5 PLUS	8.1.0
95	REDMI	REDMI 3	5.1.1
96	REDMI	REDMI 4	6.0.1
97	REDMI	REDMI 4A	6.0.1
98	REDMI	REDMI 4X	6.0.1
99	REDMI	REDMI 5	7.1.1
100	REDMI	REDMI Note 2	6.0.1
101	REDMI	REDMI Note 4	6.0.0

8. Other Modes

102	REDMI	REDMI note5	8.1.0
103	REDMI	REDMI Note 7	9
104	REDMI	REDMI Note 7 Pro(6GB RAM)	9.0.0
105	REDMI	REDMI K30 Pro	10
106	OPPO	OPPO A3(PADM00)	8.1.0
107	OPPO	OPPO A33	5.1.1
108	OPPO	OPPO A5(PBAM00)	8.1.0
109	OPPO	OPPO A53	5.1.1
110	OPPO	OPPO A57	6.0.1
111	OPPO	OPPO A59s	5.1.0
112	OPPO	OPPO A7x(PBBN00)	8.1.0
113	OPPO	OPPO A73	7.1.1
114	OPPO	OPPO A9(PCAM10)	9.0.0
115	OPPO	OPPO Reno 10x zoom(8GB/256GB)	9.0.0
116	OPPO	OPPO K3(PCGM00)	9.0.0
117	OPPO	OPPO K5	9
118	OPPO	OPPO Reno(8GB RAM)(PCAM00)	9.0.0
119	OPPO	OPPO R7s	5.1.1
120	OPPO	OPPO r7plus	8
121	OPPO	OPPO r9m	5.1.0
122	OPPO	OPPO r9s	6.0.1
123	OPPO	OPPO r9s plus	6.0.1
124	OPPO	OPPO r11	7.1.1
125	OPPO	OPPO r11s Plus	7.1.1
126	OPPO	OPPO R15X(PBCM10)	8.1.0
127	VIVO	VIVO iQOO(8GB RAM)	9.0.0
128	VIVO	VIVO V3 Max	5.1.1
129	VIVO	VIVO V3	5.1.1
130	VIVO	VIVO Y3(V1901A)	9.0.0
131	VIVO	VIVO Y31A	5.0.2
132	VIVO	VIVO Y55	6.0.1
133	VIVO	VIVO Y66	6.0.1
134	VIVO	VIVO Y67	6
135	VIVO	VIVO Y97	5.1.1
136	VIVO	VIVO X23(V1816A)	8.1.0
137	VIVO	VIVO X21	7
138	VIVO	VIVO X21A	7.1.2
139	VIVO	VIVO X27	8.1.0
140	VIVO	VIVO X6A	5.0.2
141	VIVO	VIVO X6s	8.1.0
142	VIVO	VIVO X6 Plus	5.1.0
143	VIVO	VIVO X7	8.1.0
144	VIVO	VIVO X9	7.0.1
145	VIVO	VIVO X9 Plus	6
146	VIVO	VIVO X9i	7.1.2
147	VIVO	VIVO x9s	7.1.1
148	VIVO	VIVO X9s Plus	7.1.1
149	VIVO	VIVO X20	7.1.1
150	VIVO	VIVO X20A	7.0.0
151	VIVO	VIVO S1	8
152	VIVO	vivo iqoo	6.0.1
153	VIVO	VIVO Z3	9.0.0

8. Other Modes

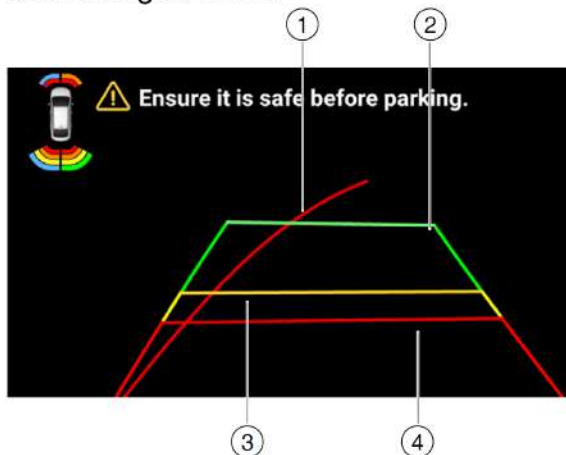
154	SAMSUNG	SAMSUNG A9	9
155	SAMSUNG	SAMSUNG A9s(SM-A9200)	8.1.0
156	SAMSUNG	SAMSUNG A40s	9
157	SAMSUNG	SAMUNGGALAXY A60(SM-A6060)	9.0.0
158	SAMSUNG	SAMSUNG note4	6.0.1
159	SAMSUNG	Note 8	7.1.1
160	SAMSUNG	Galaxy C5	6.0.1
161	SAMSUNG	SAMSUNG C8	8.1.0
162	SAMSUNG	SAMSUNG C9	8.1.0
163	SAMSUNG	SAMSUNG C9pro	7.1.1
164	SAMSUNG	SAMSUNG s9	8.0.0
165	SAMSUNG	SAMSUNG s9+	8
166	SAMSUNG	SAMSUNG S10	8.0.0
167	MEIZU	MEIZU16	9
168	MEIZU	MEIZU16s(M971Q)	8.0.0
169	MEIZU	Mblu note 2	Flyme 7.3(One Mind 3.0)
170	MEIZU	Mblu Note 3	5.1.0
171	MEIZU	Note5	5
172	MEIZU	Mblu M5 Note	7.1.0
173	MEIZU	Mblu Note 6	7.1.2
174	MEIZU	Mblu M1 metal	5.1
175	MEIZU	Mblu M2	6.0.1
176	MEIZU	MEIZU 16X	5.1.0
177	MEIZU	MEIZU 16th	8.1.0
178	MEIZU	MEIZU PRO 7	7
179	MEIZU	MEIZU PRO 6	7.1.1
180	OnePlus	OnePlus 3(oneplus A3000)	9.0.0
181	OnePlus	OnePlus 3T	9
182	OnePlus	OnePlus 3Pro	10
183	OnePlus	OnePlus 5	7.1.1
184	OnePlus	OnePlus 5T	8
185	OnePlus	OnePlus 6T(A6013)	7.1.1
186	OnePlus	OnePlus 7(GM1900)	9.0.0
187	Google	Nexus 6P	9.0.0
188	Google	Google Pixel	8.1
189	Le	Le 2	6.0.0
190	Le	Le 2(X620) pro	6.0.0
191	Le	Le x620	6.0.0
192	realme	realme X	9.0.0
193	realme	realme X2	10.0.0
194	Smartisan	Smartisan nut Pro2	7.1.1
195	Gionee	Gionee King Kong	5.1.0
196	Gionee	Gionee f100	5.1.0
197	Nubia	nubia&1□	9
198	Nubia	Nubia	8
199	Nubia	Nubia Z17S	7.1.1

8. Other Modes

Driving Assistant

Rear View Monitor

With the rear view camera is installed on the rear of a car, the view behind the car and reversing trajectory line will be displayed on the screen during reversing. When the steering wheel is turned, the trajectory line is also changed with it.



1. Full steering wheel control guide
2. Green line: Safe distance
3. Yellow line: Pay attention to the distance
4. Red line: Warning distance


Reversing Radar

Probe sensors of radar have been installed around the car.

Rear Radar

When barriers behind the car are detected during reversing, the system will alert and prompt direction and distance on the top left of the screen automatically.

Front Radar


Enable the front radar by the  button on switch panel.

When barriers in front of the car are detected during parking, the system will alert.

Note: The function is only an assistant system. There may be some deviation. Please operate according to the actual situation.

File Manager


You can manage the files of Internal Storage and USB stick.

1. Touch [] icon on the main menu to show the File Manager menu.
2. Select a source.
3. Copy/Paste/Cut/Delete the files.




9. Setting


Sound setting





Select [] on the menu to enter sound setting mode.

Touch to select a preset EQ. There are options for Normal, Pop, Custom, Rock, Techno, Classic, Jazz, Optimal.




Reset: Touch [] to load default settings.

Touch [] to enter Fader/Balance/Subwoofer setting menu.

Touch [] or [] to setup Balance, touch [] or [] to setup Fader.



System setting

1. Touch [] in the main menu. The settings menu is displayed.
2. Touch the bottom left corner of the screen to exit.

Adjust General Settings

Screen Brightness

Drag left/right to adjust the brightness of the screen.

Display

To adjust the Brightness/Saturation/Contrast/Hue.

Screen saver

If Screen Saver is activated, the display will be turned off automatically after a period of inactivity, such as 15 seconds or 30 seconds. The audio outputs normally.

Adjust Time Settings

To setup Date, time and format.

Adjust Volumes Settings

Choose input volume gain of each source. Volume range: 0 to 40.

When switching to a playing source, the volume will be changed to preset value automatically.

Bluetooth

Bluetooth switch

Turn on/off the Bluetooth function.

Device name

Set the Device name.

Paired devices

Manage paired Bluetooth devices.

Available devices

Scan available Bluetooth devices.

System

Storage

To view the storage informations.

Software version

To view software version informations.

10. Troubleshooting

What appears to be a problem is not always serious. Please check the following points before calling a service center.

Problem	Cause	Corrective action
General		
Unit does not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the balance setting to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
LCD screen		
Flashing image or interference appears on screen	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.
TUNER mode		
Unable to receive stations.	The antenna is not connected properly.	Connect the antenna properly.
Poor quality reception of radio station.	The antenna is not fully extended or it is broken.	Fully extend the antenna and if broken, replace it with a new one.
Preset stations are lost.	The battery cable is not properly connected.	Connect the permanent live on the unit to the permanent live on the vehicle.
USB mode		
Unable to insert USB device.	The USB device has been inserted the wrong way.	Insert USB the other way around.
The USB device cannot be read.	NTFS format is not supported.	Check that the USB disk file system is in FAT or FAT32 format. Due to different formats, some models of USB storage devices or MP3 players may not be read.

11. Specifications

General

Reference Supply Voltage.....	12V(DC)
Operating Voltage Range.....	9 - 17V(DC)
Max Operating Current.....	10A
Grounding System.....	Negative
Dimensions (WXHxD).....	226.84*133.38*151.41mm
Weight (main unit + display).....	1.31kg

FM

Signal Noise Ratio.....	≥ 55dB
Usable Sensitivity (S/N=30dB).....	≤ 12dBμV
Frequency Response.....	30Hz~10KHz
Auto Seek Sensitivity(22.5KHz Mod).....	14~20dBμV
Distortion.....	3.0%
Stereo Separation (1KHz).....	≥ 23dB
Antenna Impedance.....	75Ω

AM

Usable Sensitivity (S/N=20dB).....	≤ 30dBμV
Auto Seek Sensitivity.....	30~42dBμV

Screen

Screen size.....	8 inches(16:9)
Display resolution.....	1024X600

USB Player

S/N Ratio.....	≥ 70dB
THD+N.....	≤ 0.5%
Frequency Response.....	20Hz~20KHz
Maximum Output Power.....	4×20W
Load Impedance.....	4Ω

Preout

Output Impedance.....	10KΩ
Output Level.....	2V

Environment

Operating Temperature.....	-20°C ~ +70°C
Storing Temperature.....	-30°C ~ +85°C
Storing Humidity.....	45°C/95%RH

Notice:

- When the unit operated at maximum capacity for a prolonged period or the temperature reaches above 70°C, it will enter heat protection mode. The volume will automatically be reduced. This is normal scenario when the unit is in heat protection mode.
- Product information is subjected to change without prior notice.

If you have any questions, kindly contact or visit our website as mentioned to locate the nearest dealer and other available services.

www.proton-edar.com.my
PROTON EDAR SDN. BHD.
Centre of Excellence Complex
KM33.8 Westbound Shah Alam Expressway
47600 Subang Jaya, Selangor Darul Ehsan,
Malaysia
1-800-888-398

PERSONA PW954274
IRIZ PW954323

**TYPE III
STANDARD
2022**



PROTON
INSPIRING CONNECTIONS

CAR INFOTAINMENT SYSTEM OPERATION MANUAL

Bluetooth®, USB, Radio, Radio Data System



English

FOREWORD

We thank you for and congratulate you on your choice of new car.

This handbook contains essential information about the Car Infotainment System of your new Proton as well as other important advice to be rigorously followed.

Before starting to use your new Car Infotainment System, please read the information carefully and keep it for reference.

Traffic safety

As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your Car Infotainment System in a way that could distract you. Please keep in mind that you travel a distance of 14m per second of a speed of only 50 km/h.

Should the traffic situation become particularly demanding, we advise you not to use the radio. Always make sure that you are still able to hear any meaning signals coming from outside the vehicle, such as police or fire engine sirens, so that you can react accordingly.

Radio Data System

USB

MP3/WMA

 **Bluetooth®**

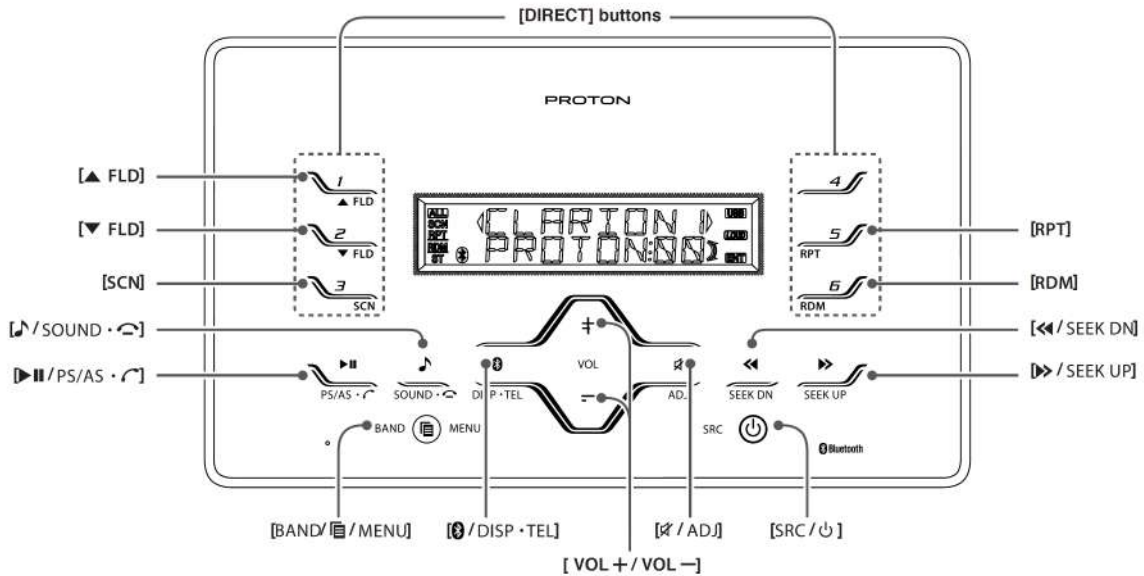
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2. CONTROLS

Main Unit



3. NOMENCLATURE

Note:

- Be sure to read this chapter referring to the front diagrams of chapter "2. CONTROLS" on page 4.

Names of the Buttons and their Functions

[SRC /] button

- Press the button to turn ON power.
- During power on, press the button for more than 1 second to turn OFF power.
- During power on, press the button to switch to different source mode.

[VOL + / VOL -] button

- Adjust the volume by pressing [VOL +/-] to increase and decrease the volume.
- Adjust the audio value by pressing [VOL +/-] during Audio Mode Function.
- Adjust setting by pressing [VOL +/-] during ADJ Mode Function.

[▲ FLD] button

- Select the next Folder (USB only).

[▼ FLD] button

- Select the previous Folder (USB only).

[/ SOUND ·] button

- Short press the button to select audio adjustment.
- Press and hold the button for 1 second or longer to toggle LOUDNESS ON/OFF
- Reject/end call during incoming call/ call conversation.
- End Voicemail

[◀ / SEEK DN] button

- Press the button to seek down a station while in the Tuner mode, select previous track when listening to a USB/BT Audio.
- Press and hold the button for 1 second or longer to auto seek down in Tuner mode and enter the fast-backward in USB/BT Audio mode.

[▶ / SEEK UP] button

- Press the button to seek up a station while in the Tuner mode, select next track when listening to a USB/BT Audio.
- Press and hold the button for 1 second or longer to auto seek up in Tuner mode and enter the fast-forward in USB/BT Audio mode.

[/ DISP · TEL] button

- Press the button to switch the display in TUNER, USB and B/TOOTH AUDIO mode.
- If device connected : Press and hold [TEL] button for 1 second or longer to enter Telephone mode.
- If no device connected : Press and hold [TEL] button for 1 second or longer to enter Pairing Mode.
- Press the button to transfer call between phone and head unit during conversation.

[▶/II/PS/AS ·] button

- Play or pause a track while in the USB/B/TOOTH Audio mode.
- Press the button to perform second level adjustment or selection.
- Press the button to perform preset scan while in the Tuner mode.
- Press and hold the button for 1 second or longer to perform auto store in Tuner mode.
- Short press to accept incoming call.

[BAND/ / MENU] button

- Press the button to switch the band in the Tuner mode.
- Press and hold button for 1 second or longer to toggle DX/LOCAL seek in the Tuner mode.
- Play the first track while in the USB mode.
- Cancel pairing mode.
- Cancel setting confirmation and return to parent level.

[/ ADJ] button

- Press the button to toggle MUTE function.
- Press and hold the button for 1 second or longer to enter Adjustment mode.

Names of the Buttons and their Functions

[SCN] button

- Press the button to perform track scan play for 10 seconds of each track while in the USB mode.
- Press the button during track scan to perform folder scan play while in the USB mode.
- Press the button during Folder scan to Off scan play.

[RPT] button

- Press the button to perform track repeat play while in the USB mode.
- Press the button during track repeat to perform folder repeat play while in the USB mode.
- Press the button during Folder repeat to Off repeat play.

[RDM] button

- Press the button to perform track random play while in the USB mode.
- Press the button during track random to perform folder random play while in the USB mode.
- Press the button during Folder random to Off random play.

[DIRECT] buttons

- Recall station directly while in the Tuner mode.
- Press and hold the button for 1 second or longer to store a station into memory in the Tuner mode.

4. OPERATIONS

Basic Operations

Note: Be sure to read this chapter referring to the front diagrams of chapter "2. CONTROLS" on page 4.

CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power

Note:

• Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Press the [⏻] button.
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press the [⏻] button more than 1 second to turn off the power for the unit.

Selecting a mode

1. Press the [SRC] button to change the operation mode.
2. Each time press the [SRC] button, the operation mode changes in the following order:

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Notes:

- If USB is selected when no device inserted, the display shows "NO MEDIA".
- If B/TOOTH AUDIO is selected when no bluetooth connected, the display shows "NO AUDIO".

Switching the display

1. Press the [DISP] button to select the desired display.
2. Each time you press the [DISP] button, the display switches in the following order:

● **For USB mode:**

Main Display (File Name) → Folder Name → Title Name → Artist Name → Album Name → Clock Display → Main Display...

● **For Bluetooth Audio mode:**

Main Display (Title Name) → Artist Name → Album Name → Clock Display → Main Display...

● **For Tuner mode:**

Main Display (Radio band) ↔ Clock Display

* Once selected, the preferred display becomes the default display. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display several seconds after the adjustment.

Adjusting the volume

Press the [VOL +/-] to increase/decrease the volume.

"VOL XX" will be displayed where "XX" is the volume level from 0 (minimum) to 30 (maximum).

Note:

- Factory default setting for volume is "VOL 10".

Audio mode adjustments

1. Press the [♪ / SOUND · 🔊] button less than 1 second to enter the Audio Adjustment mode.
2. Press the [♪ / SOUND · 🔊] button to select the "item name".

(PRE-EQ) → "BASS" → "MID" → "TREBLE" → "BALANCE" → "FADER" → Exit Audio Mode (Main Display)

3. Press the [VOL +/-] to adjust selected sound mode.

PRE-EQ	: Adjustment range: FLAT/POP/ROCK/CLASSIC/HIPHOP/DANCE/JAZZ/HEAVY METAL
BASS	: Adjustment range : -7 to +7
MID	: Adjustment range: -7 to +7
TREBLE	: Adjustment range : -7 to +7
BALANCE	: Adjustment range : LEFT 12 to RIGHT 12
FADER	: Adjustment range : REAR 12 to FRONT 12

Basic Operations

Note:

- If no operation is performed for more than 7 seconds, the audio mode is cancelled and returns to the previous mode.
- Bass, Mid and Treble will be hidden when Preset -EQ other than FLAT is selected.

Adjusting the Preset Equalizer (PRE-EQ)

1. Press the [SOUND] button and select "PRE-EQ"
2. Pressing the [VOL +/-] button to select the following settings.

"PRE-EQ FLAT" ↔ "PRE-EQ POP" ↔ "PRE-EQ ROCK" ↔ "PRE-EQ CLASSIC" ↔ "PRE-EQ HIPHOP" ↔ "PRE-EQ DANCE" ↔ "PRE-EQ JAZZ" ↔ "PRE-EQ H-METAL"

Note:

- The factory default setting is "PRE-EQ FLAT".

Adjusting the bass

1. Press the [SOUND] button and select "BASS".
2. Pressing the [VOL +/-] button to emphasizes/attenuates the bass

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the mid

1. Press the [SOUND] button and select "MID".
2. Pressing the [VOL +/-] button to emphasizes/attenuate the mid.

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the treble

1. Press the [SOUND] button and select "TREBLE".
2. Pressing the [VOL +/-] button to emphasizes/attenuate the treble.

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the balance

1. Press the [SOUND] button and select "BALANCE"
2. Pressing the [VOL +/-] button to emphasizes the sound from the right /left speakers. The display changes as follows:

"RIGHT XX" will be displayed where "XX" is the value from 1 to 12.

"LEFT XX" will be displayed where "XX" is the value from 1 to 12.

Note:

- The factory default setting is "CENTER".

Adjusting the fader

1. Press the [SOUND] button and select "FADER".
2. Pressing the [VOL +/-] button to emphasizes the sound from the front /rear speakers.

The display changes as follows:

"FRONT XX" will be displayed where "XX" is the value from 1 to 12.

"REAR XX" will be displayed where "XX" is the value from 1 to 12.

Note:

- The factory default setting is "CENTER".

Radio Mode Operations

Listening to the radio

1. Press the [SRC] button and select the Tuner mode, then the radio will be on.
2. To select a preset band, press the [BAND] button, and then select one of the preset bands such as FM1, FM2, FM3 or AM.

Every time the [BAND] button is pressed, the band switches in the following order:

FM1 → FM2 → FM3 → AM → FM1...

3. Press the [◀▶]/[▶▶] button to tune in the desired station.

Seek tuning

There are 2 types of seek tuning: DX SEEK and LOCAL SEEK.

DX SEEK can automatically tune in to receivable broadcast stations; LOCAL SEEK can tune in to only broadcast stations with good reception sensitivity.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press the [MENU] button for 1 second or longer to toggle DX/LOCAL seek. "DX MODE/LO MODE" will be displayed.
3. Press the [◀▶]/[▶▶] button for 1 second or longer to start automatic station tuning.

● DX SEEK

When the [▶▶] button is pressed and held in position for 1 second or longer, search will be performing in the direction of higher frequencies. When the [◀▶] button is pressed and held in position for 1 second or longer, search will be performed in the direction of lower frequencies.

- * When seek tuning starts, "DX SEEK" appears in the display.

● LOCAL SEEK

If the [▶▶] button is pressed and held in position for 1 second or longer, search will be performing in the direction of higher frequencies. When the [◀▶] button is pressed and held for 1 second or longer, search will be performed in the direction of lower frequencies. Broadcast stations with good reception sensitivity are selected.

- * When local seek starts, "LO SEEK" appears in the display.

Manual tuning

1. Press the [BAND] button to select the desired band FM1, FM2, FM3 or AM.
2. Press the [◀▶]/[▶▶] button to manually tune in a station.

Preset memory function

Preset memory function can store up to 24 stations. There are 6 stations for each of FM1, FM2, FM3 and AM.

Manual memory function

1. Press the [BAND] button and select a band that you want to store in the memory.
2. Press the [◀▶]/[▶▶] button to tune into a desired station.
3. Press and hold one of the [DIRECT] buttons for 1 second or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains un-overwritten at the memory position.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press and hold the [PS/AS] button for 1 second or longer. The stations with good reception are stored automatically to the preset channels. "A-STORE" will be displayed.

- * Auto store is performed in current band.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [PS/AS] button.
2. When a desired station is tuned in, press the [PS/AS] button again to continue receiving that station. "P-SCAN" will be displayed and "SCN" indicator lights in the display.

Radio Mode Operations

Note:

- * Be careful not to press and hold the [PS/AS] button for 1 second or longer, otherwise the auto store function is engaged and the unit starts storing stations.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding [DIRECT] button recalls the stored radio frequency automatically.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press the corresponding [DIRECT] button to recall the stored station.

RDS Operations

RDS (Radio Data System)

This unit has a built-in RDS decoder system that supports broadcast stations transmitting RDS data. This system can display the name of the broadcast station being received (PS) and can automatically switch to the broadcast station with the best reception as you move long distances (AF switching).

When using the RDS function, always set the radio to FM mode.

- AF : Alternative Frequency
- PS : Programme Service Name
 - * When set receives RDS signal, and can read PS data, PS appears in the display.

RDS mode adjustment

RDS mode is one of the Adjustment mode. Please refer to "Other Operations" on page 21 for details.

USB Operations

USB memory device operation

Note:

- The following operations are available in USB mode.
 - Pause
 - Track selection
 - Fast-forward/fast-backward
 - Top function
 - Scan play
 - Repeat play
 - Random play
 - Folder selection

See "USB Common Operations" on page 13.

About USB

- USB is the abbreviation of Universal Serial Bus, an external bus standard that supports data transfer rates of 12Mbps. The main unit is compatible with USB 1.1/2.0 with maximum data transfer rates of 12Mbps (Full Speed).
- USB memory devices that can be played by connecting to the unit's USB cable are limited to those recognized as "**USB mass storage class device**"; operation is not guaranteed with all USB memory devices. For USB memory devices compatibility, please consult the nearest service dealer for more information.
 - * Devices compatible with "**USB Mass Storage Class**" can be used simply by connecting to the host device, without need for special drivers or application software.
- Consult the manufacturer of your USB memory device for information regarding whether it is supported by "**USB Mass Storage Class**" standards. Please take note that hard disk drive (HDD) is not supported.
- To prevent the accidental loss of data, always back up important data to your computer.

- This unit does not support connections to a computer. In addition, connections made through a USB hub device are also not supported.
- If the USB memory device supports multiple partitions, only the first partition will be supported.
- The order in which tracks are recorded may differ depending on the USB memory devices connected (the actual playback order may not be the same as that indicated on your computer's display).
- Audio files playable on this unit are limited to MP3/WMA/FLAC files. For further information on MP3/WMA/FLAC playback, please refer to "**USB Common Operations**" on page 13.

CAUTION

- Do not try to put your hand or fingers in the USB insertion slot. Also never insert foreign objects into the slot.
- USB memory device insertion may result in protruding as it might be dangerous to the user while driving. For safety purposes, it is advisable to use a USB extension cable to connect between the USB memory device and the USB port on the main unit.
- Do not leave a USB memory device unattended in an automobile. Exposure to direct sunlight or high temperatures may cause deformation or other malfunction of the USB memory device.
- When the device is subjected to static electricity or electric noise, this may result in the loss of data.

Folder structure

- An USB memory device with a folder having more than 8 hierarchical levels will be impossible.

Number of files or folders

- Up to 255 files per folder can be recognized. Up to 10000 files can be played.
- Up to a maximum of 512 folders can be supported. However, actual folders support will still be depending on total files.
- Tracks are played in the order that they were recorded onto a device. (Tracks might not always be played in the order displayed on the PC.)
- Some noise may occur depending on the type of encoder software used while recording.

11

USB Operations

- Precautions when creating MP3/WMA/FLAC on USB memory device
 - Usable sampling rates and bit rates:

MP3	
Decode Format	MPEG 1, 2 and 2.5 - Layer 3
Sampling Rate (kHz)	MPEG-1 : 32, 44.1, 48 MPEG-2 : 16, 22.05, 24 MPEG-2.5 : 8, 11.025, 12
Bit-rate (kbps)	MPEG-1 : 32 - 320 MPEG-2 : 8 - 160 MPEG-2.5 : 8 - 160 VBR
WMA	
Sampling Rate (kHz)	8, 16, 22.05, 32, 44.1
Bit-rate (kbps)	48 - 192
FLAC	
Sampling Rate (kHz)	44.1
Bit-rate (kbps)	All

Hot plugging function

This unit has the ability to recognize the changes of connecting and disconnecting a USB memory device.

When the unit is powered on, this function allows you to start playing the tracks automatically when the USB memory device is inserted.

Connecting a USB memory device

- Connect the USB memory device into the port with the correct direction.
- Playback will begin from the first track on the USB memory device.

- * Always insert the USB memory device fully into the port. Incomplete connections may cause the USB memory device to be not recognizable.

- * Depending on the number of tracks recorded, some amount of time may be required until all tracks are read into the unit.

- * USB memory devices may have different shape depending on brands. Some USB memory devices may not be able to plug into the port due to the shape design. Please use an extension cable instead.

Note:

- Do not forcibly connect the USB memory device to the port with incorrect direction as this will damage the USB memory device as well as the USB port.

Listening to a track with USB memory device already connected to the unit

Press the [SRC] button to select the USB mode.

When the unit enters the USB mode, track will start to play automatically.

If there is no USB memory device inserted, "NO MEDIA" will be shown for selection

- * The operation mode changes in the following order each time the [SRC] button is pressed.

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Unplug the USB memory device

Remove the USB memory device from the port during USB mode, "NO MEDIA" will be shown for 4 seconds before revert to Radio mode.

Alternatively, user can remove USB memory device at any other mode. It is safe to remove USB memory device during track playing.

USB Common Operations

Note:

- USB will have different functionalities in some cases. Please read carefully where differences applied.

Pausing play

1. Press the [▶/⏸] button to pause play. "PAUSE" is shown in the display.
2. To resume USB play, press the [▶/⏸] button again.

Display selection

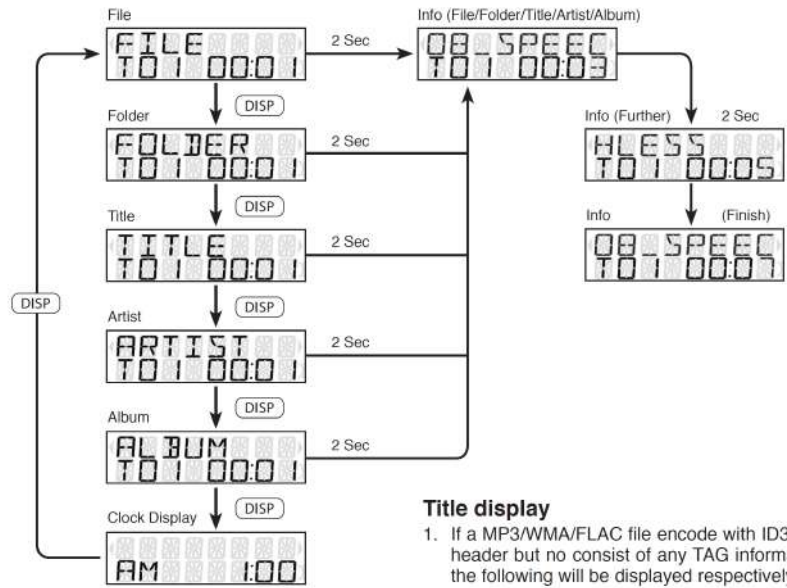
1. You can choose the display type for USB by pressing the [DISP] button. To select the next type, press the same button again.

● **USB mode:**

Main Display (File Name) → Folder Name → Title Name → Artist Name → Album Name → Clock Display → Main Display...

where Track, Folder, Title Tag, Album Tag and Artist Tag are called Title Display.

The arrangement is shown below.



Note:

- Each of the items in Title Display will display "FILE", "FOLDER", "TITLE", "ARTIST" or "ALBUM" respectively for 2 seconds before showing related title information.

Title display

1. If a MP3/WMA/FLAC file encode with ID3 TAG header but no consist of any TAG information, the following will be displayed respectively.

"NO ALBUM NAME" for Album Tag

"NO ARTIST NAME" for Artist Tag

"NO SONG NAME" for Title Tag

Note:

- The folder name will be displayed as "ROOT" which the file allocates in the root folder.
- For MP3, it supports ID3 Tags V2.4/2.3/2.2/1.1/ 1.0.
- The MP3 player decodes each file ID3 TAG ver. 2 by default, if ID3 TAG ver. 2 is unavailable, ID3 TAG ver. 1 will be decoded.

USB Common Operations

- UNICODE ID3 (Chinese, Japanese and etc) is not supported. Only ASCII characters can be displayed in Tags.
- If ID3 TAG has Japanese, Chinese or other non-supported characters, "*" will be displayed as substitution.

Selecting a track

● **Track-up**

1. Press the [▶▶] button to move to the beginning of the next track.
2. Each time the [▶▶] button is pressed, playback proceeds to another track in the advancing direction.

● **Track-down**

1. Press the [◀◀] button to move to the beginning of the current track.
2. Press the [◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● **Fast-forward**

Press and hold the [▶▶] button for 1 second or longer.

● **Fast-backward**

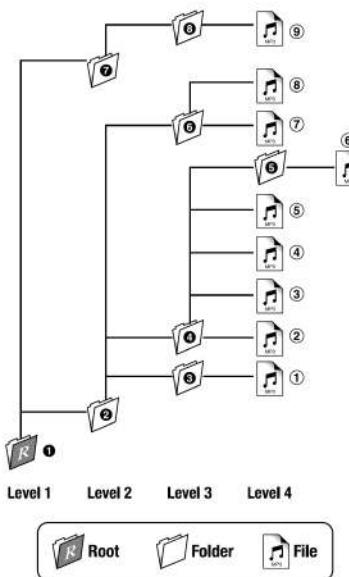
Press and hold the [◀◀] button for 1 second or longer.

MP3/WMA/FLAC playing order

During playback, files and folders are accessed in the order in which they were written by the CD-ROM writer or PC. Files might not always be played in the order displayed on the PC. You may be able to set the order in which MP3/WMA/

FLAC files are to be played by writing them onto a medium such as a USB with their file names beginning with play sequence numbers such as "01" to "99", depending on your USB writer.

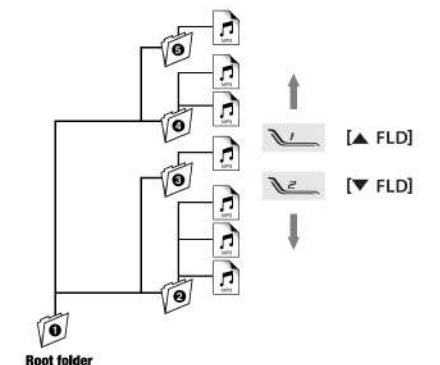
For example, a medium with the following folder/file hierarchy is shown below.



Folder select

This function allows you to select a folder containing MP3/WMA/FLAC files and start playing from the first track in the folder.

1. Press the [▲ FLD] button to move the next folder. Press the [▼ FLD] button to move the previous folder.



- Press the [▲ FLD] button while in the final folder will shift to the first folder.
- Folder without any MP3/WMA/FLAC file is not selectable.

2. Press the [◀◀]/[▶▶] button to select a track.

USB Common Operations

Top function

Press the **[BAND]** button, then the USB will start playing from the top.

Start to play the first track of first folder.

Other various play functions

● Scan play

This function allows you to locate and play the first 10 seconds of all the tracks in all folders.

- Press the **[SCN]** button to perform scan play. the "**SCN**" indicator lights in the display.
 - Scan play starts from the next track after the track currently being played.
 - Scan play will proceed to next folder after all the tracks in the current folder have been scanned.

● All scan play

This function allows you to locate and play the first 10 seconds of the first track of all the folders on an USB.

- Press **[SCN]** button during scan play to perform all scan play. the "**ALL**" and "**SCN**" indicators light in the display.
 - All scan play will always start from the first track of next folder.

● To Cancel Scan

- Press the **[SCN]** button again during All Scan play. the "**ALL**" and "**SCN**" indicators are turned off.

● Repeat play

This function allows you to play the current track repeatedly.

- Press the **[RPT]** button to perform repeat play. the "**RPT**" indicator lights in the display.

● All repeat play

This function allows you to play all tracks in the current USB folder repeatedly.

- Press **[RPT]** button during repeat play to perform folder repeat play. the "**ALL**" and "**RPT**" indicators light in the display.

● To Cancel Repeat

- Press the **[RPT]** button again during All Repeat play. the "**ALL**" and "**RPT**" indicators are turned off.

● Random play

This function allows you to play all tracks of current folder in a random order.

- Press the **[RDM]** button to perform random play. The "**RDM**" indicator lights in the display.

● All random play

This function allows you to play all the tracks of all the folders recorded on a USB in a random order.

- Press **[RDM]** button during random play to perform all random play. The "**ALL**" and "**RDM**" indicators light in the display.

● To Cancel Random

- Press the **[RDM]** button again during All Random play. the "**ALL**" and "**RDM**" indicators are turned off.

Introduction to Bluetooth® Wireless Technology

What is Bluetooth® wireless technology?

Bluetooth® wireless technology is a radio technology that connects devices, such as mobile phones and headsets, without wires or cords over a short distance of approximately 10 meters (Approx. 33 feet). Get more information at www.bluetooth.com.

What is Bluetooth® wireless profiles?

Bluetooth® wireless profiles are the different ways that Bluetooth® devices communicate with other devices. Bluetooth® phones support the hands-free profile (HFP). In order to support a certain profile, a phone manufacturer must implement certain mandatory features within the phone's software. The followings are the currently supported profiles for the main unit.

● Hands-Free Profile (HFP)

This profile is commonly used to allow car hands-free kits to communicate with mobile phones in the car. The Bluetooth® car kits allow users with Bluetooth®-equipped cell phones to make use of some of the phone's features.

● Advanced Audio Distribution Profile (A2DP)

This profile allows you to send CD quality stereo music from external audio player to car stereo without wires. A2DP is able to provide crystal clear music without the hassle of plugging cables. Bluetooth® Wireless Technology with A2DP makes mobiles phones, PDAs and computer capable of streaming music.

● Audio/Video Remote Control Profile (AVRCP)

This profile enables music from Bluetooth® audio player to be controlled remotely. AVRCP allows some basic playback control function such as play/pause, volume up/down and next/previous track to a Bluetooth® audio player.

What is pairing?

Bluetooth® devices will not work if the devices have not been paired. With a mobile phone featuring Bluetooth® technology, you must 'pair' the car stereo with the phone before you use it for the first time. 'Pairing' creates a unique wireless link between the phone with Bluetooth® wireless technology and your car stereo eliminating the need to repeat the pairing process during future use.

What is passkey?

Passkey or PIN is a code that you enter on your mobile phone to pair it with the Bluetooth® receiver unit. This makes your phone and the Bluetooth® receiver units recognize each other and automatically work together. The Bluetooth® wireless function in your phone has to be turned on to establish automatic connection.

Telephone Menu Mode

- Press and hold the **[TEL]** button for 1 second or longer to enter Telephone mode.
- Press **[<</>>]** button select the item. **VOICEDIAL ↔ REDIAL**

Note:

- Telephone menu mode only can access when Bluetooth connected.
- Voicedial only can support Android version 6 and above.

Bluetooth Settings Mode

- Press and hold the **[ADJ]** button for 1 second or longer to enter Adjustment mode.
- Press the **[<</>>]** button to select the "**B/TOOTH SETTINGS**" in the item list.
 - Please refer chapter "**Other Operations**" on page 20 for Adjustment function.
- Press **[▶||]** button to enter "**B/TOOTH SETTINGS**" mode.
- Press **[<</>>]** button to select the item. **(CONNECT DEVICE) ↔ ADD DEVICE ↔ (DELETE DEVICE) ↔ (DISCONN DEVICE) ↔ B/TOOTH RESET**

Note:

- Items in brackets will be displayed according to connection status.

Pairing with a mobile phone

- Press more than 1 seconds **[TEL]** Button at head unit to enter Pairing Mode (when there is no device connected) or Select "**ADD DEVICE**" from B/TOOTH SETTINGS mode.
- Press **[▶||]** button to enter then "**PAIRING**" is displayed.
- Activate Bluetooth® on your mobile phone. Please check your mobile phone owner's manual for further details.
- Search for new Bluetooth® device on the mobile phone. The car stereo's name is "**PROTON**".
- Perform one of the method below: For newer phone that supports Secure Simple Pairing (SSP):
 - A random 6 digit passkey will be displayed. Compare and confirm the passkey on both the phone and head unit are matched.

Introduction to *Bluetooth*[®] Wireless Technology

For classic phone:

- Enter the defined PIN code when prompt ("0000" by default).

Upon successful pairing, system will automatically connect with the phone. the mobile phone will prompt for a passkey, enter the PIN.

Notes:

- Please make sure your mobile phone supports the HFP profiles.
- Always make sure the *Bluetooth* Operation mode in the phone is on when using this car handsfree.
- Any further connection attempts by other devices to connect as HFP partner are rejected until the current device is disconnected. Please refer your mobile phone owner's manual for disconnecting device.
- Timeout for pairing mode is 2 minutes.
- Please refer chapter "**Handsfree Operations**" on page 19 for telephone function.

Pairing with an external audio player (A2DP support)

1. Select "**ADD DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button to enter then "**PAIRING**" is displayed.
3. Set the *Bluetooth*[®] audio player in Pairing mode.

Notes:

- Please make sure your external audio player supports the A2DP and AVRCP profiles.
- Any further connection attempts by other devices to connect as A2DP/AVRCP partner are rejected until the current device is disconnected.
- The same device may connect as both A2DP/ AVRCP and HFP partner. This normally happens to mobile phone with wireless music streaming capability. However, using the same device might cause the A2DP/AVRCP to be disconnected when there is an incoming call or making a call.

- Timeout for pairing mode is 2 minutes.
- Please refer chapter "**Audio Streaming Operations**" on page 20 for music streaming functionality.

Cancelling pairing mode

1. During pairing mode, press the [**BAND**] button once to cancel Pairing mode.
2. The display returns to previous mode.

Deleting paired devices

1. Select "**DELETE DEVICE**" from B/TOOTH SETTINGS mode.
2. Press the [**▶||**] button. If there is device paired, "XXXXXXX" will be displayed
3. Press [**◀||▶**] button to select a device to be deleted and press the [**▶||**] button for the confirmation. "DELETED" will be displayed.
4. During "**DELETE ALL**", press the [**ENT**] button will delete all devices. "DELETED" will be displayed.
5. During "**DELETE ALL**", press the [**▶||**] button will enter the confirmation screen.
6. Press [**VOL+**] button to select "**YES**" and press [**▶||**] button for the confirmation.
7. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.

Note:

- Upon finish deleting, display will switch to B/TOOTH SETTINGS.

Connecting *Bluetooth*[®] device

The unit will automatically connect to the paired device after pairing. However, some phones will not allow automatic connection to the device after pairing; please use the phone to manually connect to the unit. Connection can be established at

any Source mode. If connection is unsuccessful, automatic connection will stop.

1. Select "**CONNECT DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**◀||▶**] button to select a paired device to be connect and press the [**▶||**] button.
4. Unit will try to establish a connection with the selected connected phone.

Notes:

- The "S" indicator will light on and device name and "CONNECT" will be displayed upon successful connection.
- The unit will also automatically connect to the last connected phone when car ignition is turned on.
- Make sure your phone's *Bluetooth* function is turned on, within acceptable range and no other *Bluetooth* devices such as headset is connected during automatic connection.
- Connection activated through unit is only HFP (Handsfree).
- Audio streaming connection will need to be initiated by the *Bluetooth* audio device itself. Some phones will connect audio streaming as well when HFP is connected.
- Any connection attempt with a new device will require disconnecting previously connected device first. Otherwise, connection will not be successful.
- It is not recommended to connect 2 devices (phone and external audio player) at the same time.

Disconnecting *Bluetooth*[®] device

1. Select "**DISCONN DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**VOL +**] button to select "**YES**" and press [**▶||**] button for the confirmation.

Introduction to *Bluetooth*[®] Wireless Technology

4. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.
5. Unit will disconnect from all connected devices.

Notes:

- User can use the phone/device to manually disconnect from the unit.
- Turning off the unit power will also disconnect the device.

Resetting *Bluetooth* Settings

1. Select "**B/TOOTH RESET**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**VOL +**] button to select "**YES**" and press [**▶||**] button for the confirmation.
4. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.
5. All *Bluetooth*[®] setting will reset to factory default setting.

Note:

- All Pairing information will be deleted.

Handsfree Operations

Incoming call

Whenever your car stereo is operating, the car stereo is in standby mode waiting for the next call. When an incoming call arrives the car stereo is muted automatically and the ring tone is reproduced through your car's speaker.

Car stereo will temporarily switch to Telephone mode and caller ID will be displayed in the car stereo.

Notes:

- Car stereo will be automatically set as default speaker output every time when there is an incoming call.
- Caller ID display (telephone number) is dependent on mobile phone and network provider.
- Caller ID and "CALLING" will be displayed during incoming call.


● Answering a call

User can answer an incoming call directly from the car stereo. Alternatively, you may also answer the call by using your phone's answer keypad.

1. Short press the [] button to pick up an incoming call.
2. The display switch to Telephone mode.
3. During conversation, talk time is displayed.
4. Press the button [DISP] to transfer call between phone and head unit during conversation. "PRIVATE MODE" will be displayed.

● Rejecting a call

This function allows you to reject an incoming call via the car stereo.


1. Press the [] button to reject an incoming call.
2. "CALL REJECTED" will display before returns to previous mode.

Note:

- Alternatively, you may also reject the call by using your phone's keypad.

● Ending a call


This function allows you to end a call conversation via the car stereo.

1. Press the [] button to end the call.
2. "CALL ENDED" will display before returns to previous mode.

Note:

- Alternatively, you may also end the call by using your phone's keypad.


Making a call (Redial)

1. Select "REDIAL" from Telephone Menu mode.
2. Press [] button.
3. "DIALING" will be displayed when call is successfully activated.

Notes:


- Redial function is highly dependent on phone and phone's screen display level.
- Alternatively, user can make calls using the phone's keypad.

Making a call (Voice dial)

1. Select "VOICE DIAL" from Telephone Menu mode.
2. Press [] button.
3. "DIALING" will be displayed when call is successfully activated.

Canceling a call

This function allows you to cancel an outgoing call via the car stereo.

1. Press the [] button to cancel an outgoing call.
2. "CALL ENDED" will display before returns to previous mode.

Note:

- Alternatively, you may also cancel the call by using your phone's keypad.

Audio Streaming Operations

Note:

- Be sure to read the chapter "Pairing with an external audio player (A2DP support)" before proceeding.

What is audio streaming?

Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream.

Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers.

Listening to audio streaming



1. Press the [SRC] button and select the B/TOOTH AUDIO mode, then audio streaming will be played.

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Notes:



- System will not automatically switch to B/TOOTH AUDIO mode when A2DP is connected.
- If the B/TOOTH AUDIO mode is selected when no A2DP device is connected, the display shows "NO AUDIO".

Play/Pause a track



1. Press the [] button to pause play.
2. To resume track play, press the [] button again.

Selecting a track

● Track-up

1. Press the [] button to move to the beginning of the next track.
2. Each time the [] button is pressed, playback proceeds to another track in the advancing direction.

● Track-down


1. Press the [] button to move to the beginning of the previous track.
2. Each time the [] button is pressed, play back proceeds to previous track in the reverse direction.

Fast-forward/fast-backward

● Fast-forward

1. Press and hold the [] button for 1 second or longer.

● Fast-backward

1. Press and hold the [] button for 1 second or longer.

Note:

- This feature is dependent on mobile phone and mobile application.

● Display selection

1. You can choose the display type by pressing the [DISP] button.
2. Every time the [DISP] button is pressed, the display type switches in the following order:

Main Display (Title Name) → Artist Name → Album Name → Clock Display → Main Display...



Other Operations

Adjustment mode

1. Press and hold the [ADJ] button for 1 second or longer to switch to the adjustment selection display.

2. Press the [] button to select the "item name".

"12/24 HR" ↔ CLOCK EDIT ↔ B/TOOTH SETTINGS ↔ RDS SETTINGS ↔ FACTORY RESTORE

- Some of the items will have "  " indicator light on, the [] button must be pressed to display the setting value.

3. Press the [VOL +/-] button to select the "desired setting value".

● Clock Format

Toggle between 12 or 24 hour format for clock display.

1. Press the [VOL +/-] button to select "24 HOURS" or "12 HOURS"

12 HOURS - 12 hour format display

24 HOURS - 24 hour format display

● Clock Edit

This settings allows the user to adjust the clock manually.

1. Select "CLOCK EDIT".
2. Press the [] button.
3. Press the [] to toggle between hour/minute adjustment.
4. Press the [VOL +/-] button to decrease the hour/minute.
5. Press the [] button to store the settings.

Other Operations

● AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

1. Select AF function from "RDS SETTINGS" mode.
2. Press the [▶||] button.
3. Press the [VOL +/-] button to select "AF ON" or "AF OFF".

● AF ON:

"AF" in the display lights and AF function turns on.

● AF OFF:

"AF" in the display goes off and AF function turns off.

● Factory Restore

1. Select "FACTORY RESTORE".
2. Press the [▶||] button.
3. Press [VOL +] button to select "YES" and press [▶||] button for the confirmation.
4. Press [VOL -] button to select "NO" and press [▶||] button to return to previous screen.

Note:

- System will restart when factory restore is initiated.

Compatible Devices

Supported phones with *Bluetooth*[®] wireless technology

Make sure your mobile phone supports the following *Bluetooth*[®] profile:

- HFP (Handsfree for mobile phone)

Optional profiles for audio streaming in mobile phone:

- A2DP (Stereo music streaming)

- AVRCP (Remote control function)

Compliant with *Bluetooth*[®] version (V3.0, V2.0, V1.2 and V1.1)

Please check your phone's specification for supported profiles or consult Proton service center for your phone compatibilities.

5. TROUBLESHOOTING

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced)	Fuse is blown	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound heard.	The speaker protection circuit is operating.	<ol style="list-style-type: none"> 1. Turn down sound volume. Function can also be restored by turning the power off and on again. (Speaker volume is reduced automatically when the speaker protection circuit operates). 2. If the sound is muted again, consult our service department.

	Problem	Cause	Measure
B/TTOOTH Audio	Audio streaming is disconnected after telephone interrupt.	Some phones will disconnect A2DP during telephone interrupt.	Reconnect A2DP/AVRCP (Audio streaming profiles) from the phone again after telephone interrupt. Disconnect and reconnect <i>Bluetooth</i> [®] connection if necessary.
	Cannot perform remote control for audio streaming.	AVRCP is not connected.	Disconnect and pair the device again. Or refresh <i>Bluetooth</i> [®] service list in phone.
	Audio streaming will begin to pulse on/off when using your connected phone.	Due to excessive <i>Bluetooth</i> [®] activity on a low bandwidth link. Some phones will not handle this well.	If your phone is facing this problem, please do not use your phone while audio streaming.
	Display is showing "B/TTOOTH AUDIO" but there is no sound output.	Music in external audio player might be paused.	Check whether both device and main unit are in play status. Change the status in the device if necessary. If problem persists, turn external music player off and on.
There might be connection links broken between the devices.		Please delete pairing information on both device and main unit and start re-pairing.	

Troubleshooting

	Problem	Cause	Measure
MP3/WMA/FLAC (USB memory device)	No sound heard.	MP3/WMA/FLAC files are absent in the USB memory device.	Write MP3/WMA/FLAC files onto the USB memory device properly.
		Files are not recognized as an MP3/WMA/FLAC file.	Use MP3/WMA/FLAC files encoded properly.
	Sound is cut or skipped. Noise is generated or noise is mixed with sound.	MP3/WMA/FLAC files are not encoded properly.	Use MP3/WMA/FLAC files encoded properly.
	USB memory device cannot be detected.	USB memory device may be damaged.	Reinsert the USB memory device to try again. Replace with a new USB memory device if failed.
		USB memory device connector is in bad condition.	
		There may be compatibility issue with the USB memory device.	Please use another USB memory device
	USB memory device is unable to plug into the USB slot.	The USB memory device connector may be inserted to the slot in the wrong direction.	Reinsert the USB memory device with the correct direction.
		USB memory device may be damaged.	Replace with a new USB memory device.
		The shape design of the USB memory device prevents it to be properly inserted to the slot.	Use a USB extension cable.
	USB card reader cannot be detected.	USB card reader is connected to main unit first before inserting memory card to the card reader.	Insert the memory card to USB card reader first before connecting to the main unit.
	USB hard disk drive (HDD) cannot playback or error display is shown.	These devices are not supported.	Use only compatible USB memory device.
	Unable to playback songs.	There may be compatibility issue with the USB memory device.	Please use another USB memory device
Too many songs are stored, some amount of time are required to read all the tracks available.		Reduce the number of songs in the USB memory device.	

Troubleshooting

	Problem	Cause	Measure
Bluetooth and Telephone	After pairing, car stereo is not able to receive and make calls.	Bluetooth® connection is not established yet. Normally it will take several seconds to establish the connection after pairing. Some phones will not automatic connect after pairing.	Use your phone to manually connect or select "CONNECT DEVICE" from Bluetooth Setting Menu mode to connect the selected paired phone. Restart car ignition and perform pairing again. Always make sure pairing information on both device and main unit have been deleted before starting a new pairing activity. If the problem persists, please consult with nearest service center for your phone compatibility.
		Car stereo is connected to other device.	Disconnect the previous device and reconnect current device.
		Unable to reconnect to car stereo using phone.	The device pairing information may have been deleted from the unit.
	Callers voice sounds distorted or is intermittent.	Volume is too loud (depends on the car environment, speakers and microphone) and half-duplex mode is automatically triggered.	Try reducing the telephone volume level.
	Caller reports poor voice quality at remote end.		
	Difficulties of pairing and connecting with phone during another Bluetooth® operation such as audio streaming.	Due to excessive Bluetooth® activity on a low bandwidth link, it may result hard to get paired and connected.	Disconnect all devices. Try pairing with phone first and connect A2DP device later.
	There is no sound output when incoming call is answered.	Incoming call was answered too quickly before you hear the ringing tone. This can cause the audio not properly transferred to the main unit by some phones.	Please use your phone to transfer the audio back to the phone for the current ongoing call. Kindly answer the call only when you hear a ringing tone next time. If the problem persists, please reconnect the phone or create new pairing before the next incoming call.
	There is no sound output during conversation.	Bluetooth® communication link is lost.	Please disconnect the phone and reconnect. If the problem persists, please create new pairing for both phone and main unit.
	Cannot operate the handsfree function properly	No response from mobile phone.	Turn off and on the mobile phone.

6. ERROR DISPLAYS

	Error Display	Cause	Measure
USB MEMORY DEVICE	DEVICE ERROR	Failure detection of USB memory device when it is plugged into the port.	Unplug the USB memory device and re-plug into the port.
	NO FILE	No audio file is detected in the media.	Replace with audio contents loaded USB memory device.
	OVER CURRENT	USB connector short circuit/ overloaded.	Unplug the USB memory device, turn off the car stereo power and then turn on the power again.
	NO RESPONSE	Device no response after 20 sec of file reading.	Reduce the number of file in the USB memory device.
	USB HUB ERROR	USB HUB is connected	Unplug the USB HUB and plug in USB memory device into the port.

	Error Display	Cause	Measure
Bluetooth®	CALL FAIL	Calling is not successful.	Please try a few more times or dial from phone if necessary.

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7. SPECIFICATIONS

Radio section

Tuning system	: PLL Synthesizer tuner
Receiving frequencies	: FM : 87.5 to 108 MHz (0.05 MHz steps, Manual) (0.1 MHz steps, Auto) AM : 531 to 1602 kHz (9 kHz steps)

USB section

Compliance	: USB 2.0
------------	-----------

General

Max. power output	: 4 x 25 W (4 Ω load)
Current consumption	: Less than 10 A
Speaker impedance	: 4 Ω (4 Ω to 8 Ω allowable)
Power supply voltage	: DC 13.2V, negative ground.
Weight	: 1.19 kg
Dimensions	: 226.81mm Width x 133.35mm Height x 170.90mm Length

Bluetooth® wireless technology

Compliance	: Bluetooth® 4.0
Frequency range	: 2.40 to 2.4835 GHz, ISM band
RF power	: Class 2 (2.5mW)
Profiles	: HFP, A2DP, AVRCP
Telephone operation	: Noise reduction, Echo cancellation, Full duplex telephony

Note:

- Specifications and design are subject to change without notice for further improvement.

WARRANTY INFORMATION

- FOR WARRANTY INFORMATION AND CLAIMS WITHIN THREE YEARS OR 100K KM OF CAR PURCHASE PLEASE CONTACT YOUR NEAREST PROTON EDAR SERVICE CENTER.

www.proton-edar.com.my

PROTON EDAR SDN. BHD.

Centre of Excellence Complex
KM33.8 Westbound Shah Alam Expressway
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia.
1-800-888-398



Part No	: 280-9640-01
Language	: ENGLISH
Model	: PW954275, PW954324
Date	: JULY 2021

**TYPE IV
STANDARD
2025**



PROTON
INSPIRING CONNECTIONS

CAR INFOTAINMENT SYSTEM OPERATION MANUAL

Bluetooth®, USB, Radio, Radio Data System



English

FOREWORD

We thank you for and congratulate you on your choice of new car.

This handbook contains essential information about the Car Infotainment System of your new Proton as well as other important advice to be rigorously followed.

Before starting to use your new Car Infotainment System, please read the information carefully and keep it for reference.

Traffic safety

As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your Car Infotainment System in a way that could distract you. Please keep in mind that you travel a distance of 14m per second of a speed of only 50 km/h.

Should the traffic situation become particularly demanding, we advise you not to use the radio. Always make sure that you are still able to hear any meaning signals coming from outside the vehicle, such as police or fire engine sirens, so that you can react accordingly.

Radio Data System

USB

MP3/WMA

Bluetooth®

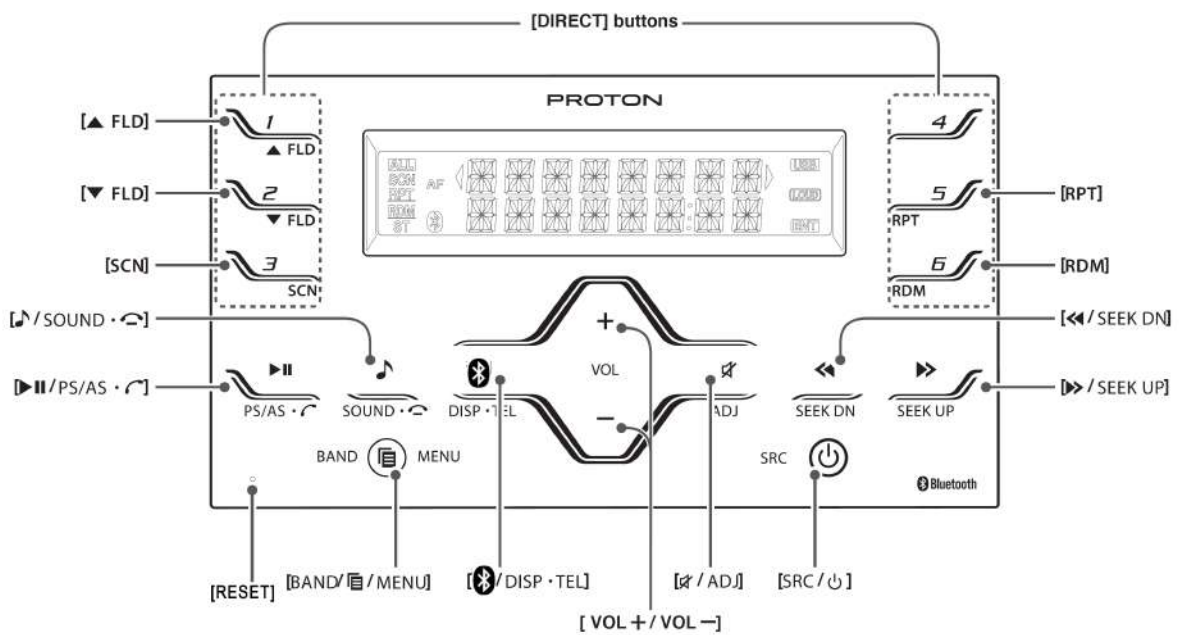
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2. CONTROLS

Main Unit



3. NOMENCLATURE

Note:

- Be sure to read this chapter referring to the front diagrams of chapter "2. CONTROLS" on page 4.

Names of the Buttons and their Functions

[SRC /] button

- Press the button to turn ON power.
- During power on, press the button for more than 1 second to turn OFF power.
- During power on, press the button to switch to different source mode.

[VOL + / VOL -] button

- Adjust the volume by pressing [VOL +/-] to increase and decrease the volume.
- Adjust the audio value by pressing [VOL +/-] during Audio Mode Function.
- Adjust setting by pressing [VOL +/-] during ADJ Mode Function.

[▲ FLD] button

- Select the next Folder (USB only).

[▼ FLD] button

- Select the previous Folder (USB only).

[/ SOUND ·] button

- Short press the button to select audio adjustment.
- Press and hold the button for 1 second or longer to toggle LOUDNESS ON/OFF
- Reject/end call during incoming call/ call conversation.
- End Voicemail

[◀ / SEEK DN] button

- Press the button to seek down a station while in the Tuner mode, select previous track when listening to a USB/BT Audio.
- Press and hold the button for 1 second or longer to auto seek down in Tuner mode and enter the fast-backward in USB/BT Audio mode.

[▶ / SEEK UP] button

- Press the button to seek up a station while in the Tuner mode, select next track when listening to a USB/BT Audio.
- Press and hold the button for 1 second or longer to auto seek up in Tuner mode and enter the fast-forward in USB/BT Audio mode.

[/ DISP · TEL] button

- Press the button to switch the display of audio time.
- Press and hold the button for 1 second or longer to enter Telephone mode.

[▶ / II / PS / AS ·] button

- Play or pause a track while in the USB/B/TOOTH Audio mode.
- Press the button to perform second level adjustment or selection.
- Press the button to transfer call between phone and head unit during conversation.

- Press the button to perform preset scan while in the Tuner mode.
- Press and hold the button for 1 second or longer to perform auto store in Tuner mode.
- Short press to accept incoming call.

[BAND / / MENU] button

- Press the button to switch the band in the Tuner mode.
- Press and hold button for 1 second or longer to toggle DX/LO seek in the Tuner mode.
- Play the first track while in the USB mode.
- Cancel pairing mode.
- Cancel setting confirmation and return to parent level.

[/ ADJ] button

- Press the button to toggle MUTE function.
- Press and hold the button for 1 second or longer to enter Adjustment mode.

[SCN] button

- Press the button to perform track scan play for 10 seconds of each track while in the USB mode.
- Press the button during track scan to perform folder scan play while in the USB mode.
- Press the button during Folder scan to Off scan play.

Names of the Buttons and their Functions

[RPT] button

- Press the button to perform track repeat play while in the USB mode.
- Press the button during track repeat to perform folder repeat play while in the USB mode.
- Press the button during Folder repeat to Off repeat play.

[RDM] button

- Press the button to perform track random play while in the USB mode.
- Press the button during track random to perform folder random play while in the USB mode.
- Press the button during Folder random to Off random play.

[DIRECT] button

- Recall station directly while in the Tuner mode.
- Press and hold the button for 1 second or longer to store a station into memory in the Tuner mode.

[RESET] hole button

- After poking the reset hole, the whole machine (infotainment audio unit) will restart.

4. OPERATIONS

Basic Operations

Note: Be sure to read this chapter referring to the front diagrams of chapter "2. CONTROLS" on page 4.

CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power

Note:

• Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Press the [⏻] button.
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press the [⏻] button more than 1 second to turn off the power for the unit.

Selecting a mode

1. Press the [SRC] button to change the operation mode.
2. Each time press the [SRC] button, the operation mode changes in the following order:

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Notes:

- If USB is selected when no device inserted, the display shows "NO MEDIA".
- If B/TOOTH AUDIO is selected when no bluetooth connected, the display shows "NO AUDIO".

Switching the display

1. Press the [DISP] button to select the desired display.
2. Each time you press the [DISP] button, the display switches in the following order:

● **For USB mode:**

Main Display (File Name) → Folder Name → Title Name → Artist Name → Album Name → Clock Display → Main Display...

● **For Bluetooth Audio mode:**

Main Display (Title Name) → Artist Name → Album Name → Clock Display → Main Display...

● **For Tuner mode:**

Main Display (Radio band) ↔ Clock Display

* Once selected, the preferred display becomes the default display. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display several seconds after the adjustment.

Adjusting the volume

Press the [VOL +/-] to increase/decrease the volume.

"VOL XX" will be displayed where "XX" is the volume level from 0 (minimum) to 30 (maximum).

Note:

- Factory default setting for volume is "VOL 10".

Audio mode adjustments

1. Press the [♪ / SOUND · ⏮] button less than 1 second to enter the Audio Adjustment mode.
2. Press the [♪ / SOUND · ⏮] button to select the "item name".

(PRE-EQ) → "BASS" → "MID" → "TREBLE" → "BALANCE" → "FADER" → Exit Audio Mode (Main Display)

3. Press the [VOL +/-] to adjust selected sound mode.

PRE-EQ	: Adjustment range: FLAT/POP/ROCK/CLASSIC/HIPHOP/DANCE/JAZZ/HEAVY METAL
BASS	: Adjustment range : -7 to +7
MID	: Adjustment range: -7 to +7
TREBLE	: Adjustment range : -7 to +7
BALANCE	: Adjustment range : LEFT 12 to RIGHT 12
FADER	: Adjustment range : REAR 12 to FRONT 12

Basic Operations

Note:

- If no operation is performed for more than 7 seconds, the audio mode is cancelled and returns to the previous mode.
- Bass, Mid and Treble will be hidden when Preset -EQ other than FLAT is selected.

Adjusting the Preset Equalizer (PRE-EQ)

1. Press the [SOUND] button and select "PRE-EQ".
2. Pressing the [VOL +/-] button to select the following settings.

"PRE-EQ FLAT" ↔ "PRE-EQ POP" ↔ "PRE-EQ ROCK" ↔ "PRE-EQ CLASSIC" ↔ "PRE-EQ HIPHOP" ↔ "PRE-EQ DANCE" ↔ "PRE-EQ JAZZ" ↔ "PRE-EQ H-METAL"

Note:

- The factory default setting is "PRE-EQ FLAT".

Adjusting the bass

1. Press the [SOUND] button and select "BASS".
2. Pressing the [VOL +/-] button to emphasizes/attenuates the bass

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the mid

1. Press the [SOUND] button and select "MID".
2. Pressing the [VOL +/-] button to emphasizes/attenuate the mid.

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the treble

1. Press the [SOUND] button and select "TREBLE".
2. Pressing the [VOL +/-] button to emphasizes/attenuate the treble.

"GAIN XX" will be displayed where "XX" is the value from -7 to +7.

Note:

- The factory default setting is "GAIN 0".

Adjusting the balance

1. Press the [SOUND] button and select "BALANCE".
2. Pressing the [VOL +/-] button to emphasizes the sound from the right /left speakers. The display changes as follows:

"RIGHT XX" will be displayed where "XX" is the value from 1 to 12.

"LEFT XX" will be displayed where "XX" is the value from 1 to 12.

Note:

- The factory default setting is "CENTER".

Adjusting the fader

1. Press the [SOUND] button and select "FADER".
2. Pressing the [VOL +/-] button to emphasizes the sound from the front /rear speakers.

The display changes as follows:

"FRONT XX" will be displayed where "XX" is the value from 1 to 12.

"REAR XX" will be displayed where "XX" is the value from 1 to 12.

Note:

- The factory default setting is "CENTER".

Radio Mode Operations

Listening to the radio

1. Press the [SRC] button and select the Tuner mode, then the radio will be on.
2. To select a preset band, press the [BAND] button, and then select one of the preset bands such as FM1, FM2, FM3 or AM1, AM2.

Every time the [BAND] button is pressed, the band switches in the following order:

FM1 → FM2 → FM3 → AM1 → AM2...

3. Press the [◀▶]/[▶▶] button to tune in the desired station.

Seek tuning

There are 2 types of seek tuning: DX SEEK and LOCAL SEEK.

DX SEEK can automatically tune in to receivable broadcast stations; LOCAL SEEK can tune in to only broadcast stations with good reception sensitivity.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press the [MENU] button for 1 second or longer to toggle DX/LOCAL seek. "DX MODE/LO MODE" will be displayed.
3. Press the [◀▶]/[▶▶] button for 1 second or longer to start automatic station tuning.

● DX SEEK

When the [▶▶] button is pressed and held in position for 1 second or longer, search will be performing in the direction of higher frequencies. When the [◀▶] button is pressed and held in position for 1 second or longer, search will be performed in the direction of lower frequencies.

- * When seek tuning starts, "DX SEEK" appears in the display.

● LOCAL SEEK

If the [▶▶] button is pressed and held in position for 1 second or longer, search will be performing in the direction of higher frequencies. When the [◀▶] button is pressed and held for 1 second or longer, search will be performed in the direction of lower frequencies. Broadcast stations with good reception sensitivity are selected.

- * When local seek starts, "LO SEEK" appears in the display.

Manual tuning

1. Press the [BAND] button to select the desired band FM1, FM2, FM3, AM1 or AM2.
2. Press the [◀▶]/[▶▶] button to manually tune in a station.

Preset memory function

Preset memory function can store up to 30 stations. There are 6 stations for each of FM1, FM2, FM3, AM1 and AM2.

Manual memory function

1. Press the [BAND] button and select a band that you want to store in the memory.
2. Press the [◀▶]/[▶▶] button to tune into a desired station.
3. Press and hold one of the [DIRECT] buttons for 1 second or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains un-overwritten at the memory position.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press and hold the [PS/AS] button for 1 second or longer. The stations with good reception are stored automatically to the preset channels. "A-STORE" will be displayed.

- * Auto store is performed in current band.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [PS/AS] button.
2. When a desired station is tuned in, press the [PS/AS] button again to continue receiving that station. "P-SCAN" will be displayed and "SCN" indicator lights in the display.

Radio Mode Operations

Note:

- Be careful not to press and hold the [PS/AS] button for 1 second or longer, otherwise the auto store function is engaged and the unit starts storing stations.

Recalling a preset station

A total of 30 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM1, and 6-AM2) exists to store individual radio stations in memory. Pressing the corresponding [DIRECT] button recalls the stored radio frequency automatically.

1. Press the [BAND] button and select the desired band (FM or AM).
2. Press the corresponding [DIRECT] button to recall the stored station.

RDS Operations

RDS (Radio Data System)

This unit has a built-in RDS decoder system that supports broadcast stations transmitting RDS data. This system can display the name of the broadcast station being received (PS) and can automatically switch to the broadcast station with the best reception as you move long distances (AF switching).

When using the RDS function, always set the radio to FM mode.

- AF : Alternative Frequency
- PS : Programme Service Name
 - * When set receives RDS signal, and can read PS data, PS appears in the display.

RDS mode adjustment

RDS mode is one of the Adjustment mode. Please refer to "Other Operations" on page 21 for details.

USB Operations

USB memory device operation

Note:

- The following operations are available in USB mode.
 - Pause
 - Track selection
 - Fast-forward/fast-backward
 - Top function
 - Scan play
 - Repeat play
 - Random play
 - Folder selection

See "USB Common Operations" on page 13.

About USB

- USB is the abbreviation of Universal Serial Bus, an external bus standard that supports data transfer rates of 12Mbps. The main unit is compatible with USB 1.1/2.0 with maximum data transfer rates of 12Mbps (Full Speed).
- USB memory devices that can be played by connecting to the unit's USB cable are limited to those recognized as "**USB mass storage class device**"; operation is not guaranteed with all USB memory devices. For USB memory devices compatibility, please consult the nearest service dealer for more information.
 - * Devices compatible with "**USB Mass Storage Class**" can be used simply by connecting to the host device, without need for special drivers or application software.
- Consult the manufacturer of your USB memory device for information regarding whether it is supported by "**USB Mass Storage Class**" standards. Please take note that hard disk drive (HDD) is not supported.
- To prevent the accidental loss of data, always back up important data to your computer.

- This unit does not support connections to a computer. In addition, connections made through a USB hub device are also not supported.
- If the USB memory device supports multiple partitions, only the first partition will be supported.
- The order in which tracks are recorded may be differ depending on the USB memory devices connected (the actual playback order may not be the same as that indicated on your computer's display).
- Audio files playable on this unit are limited to MP3/WMA/FLAC files. For further information on MP3/WMA/FLAC playback, please refer to "**USB Common Operations**" on page 13.

CAUTION

- Do not try to put your hand or fingers in the USB insertion slot. Also never insert foreign objects into the slot.
- USB memory device insertion may result in protruding as it might be dangerous to the user while driving. For safety purposes, it is advisable to use a USB extension cable to connect between the USB memory device and the USB port on the main unit.
- Do not leave a USB memory device unattended in an automobile. Exposure to direct sunlight or high temperatures may cause deformation or other malfunction of the USB memory device.
- When the device is subjected to static electricity or electric noise, this may result in the loss of data.

Folder structure

- An USB memory device with a folder having more than 8 hierarchical levels will be impossible.

Number of files or folders

- Up to 255 files per folder can be recognized. Up to 10000 files can be played.
- Up to a maximum of 512 folders can be supported. However, actual folders support will still be depending on total files.
- Tracks are played in the order that they were recorded onto a device. (Tracks might not always be played in the order displayed on the PC.)
- Some noise may occur depending on the type of encoder software used while recording.

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USB Operations

- Precautions when creating MP3/WMA/FLAC on USB memory device
 - Usable sampling rates and bit rates:

MP3	
Decode Format	MPEG 1, 2 and 2.5 - Layer 3
Sampling Rate (kHz)	MPEG-1 : 32, 44.1, 48 MPEG-2 : 16, 22.05, 24 MPEG-2.5 : 8, 11.025, 12
Bit-rate (kbps)	MPEG-1 : 32 - 320 MPEG-2 : 8 - 160 MPEG-2.5 : 8 - 160 VBR
WMA	
Sampling Rate (kHz)	8, 16, 22.05, 32, 44.1
Bit-rate (kbps)	48 - 192
FLAC	
Sampling Rate (kHz)	44.1
Bit-rate (kbps)	All

Hot plugging function

This unit has the ability to recognize the changes of connecting and disconnecting a USB memory device.

When the unit is powered on, this function allows you to start playing the tracks automatically when the USB memory device is inserted.

Connecting a USB memory device

- Connect the USB memory device into the port with the correct direction.
- Playback will begin from the first track on the USB memory device.

- * Always insert the USB memory device fully into the port. Incomplete connections may cause the USB memory device to be not recognizable.

- * Depending on the number of tracks recorded, some amount of time may be required until all tracks are read into the unit.

- * USB memory devices may have different shape depending on brands. Some USB memory devices may not be able to plug into the port due to the shape design. Please use an extension cable instead.

Note:

- Do not forcibly connect the USB memory device to the port with incorrect direction as this will damage the USB memory device as well as the USB port.

Listening to a track with USB memory device already connected to the unit

Press the [SRC] button to select the USB mode.

When the unit enters the USB mode, track will start to play automatically.

If there is no USB memory device inserted, "NO MEDIA" will be shown for selection

- * The operation mode changes in the following order each time the [SRC] button is pressed.

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Unplug the USB memory device

Remove the USB memory device from the port during USB mode, "NO MEDIA" will be shown for 4 seconds before revert to Radio mode.

Alternatively, user can remove USB memory device at any other mode. It is safe to remove USB memory device during track playing.

USB Common Operations

Note:

- USB will have different functionalities in some cases. Please read carefully where differences applied.

Pausing play

1. Press the [▶/⏸] button to pause play. "PAUSE" is shown in the display.
2. To resume USB play, press the [▶/⏸] button again.

Display selection

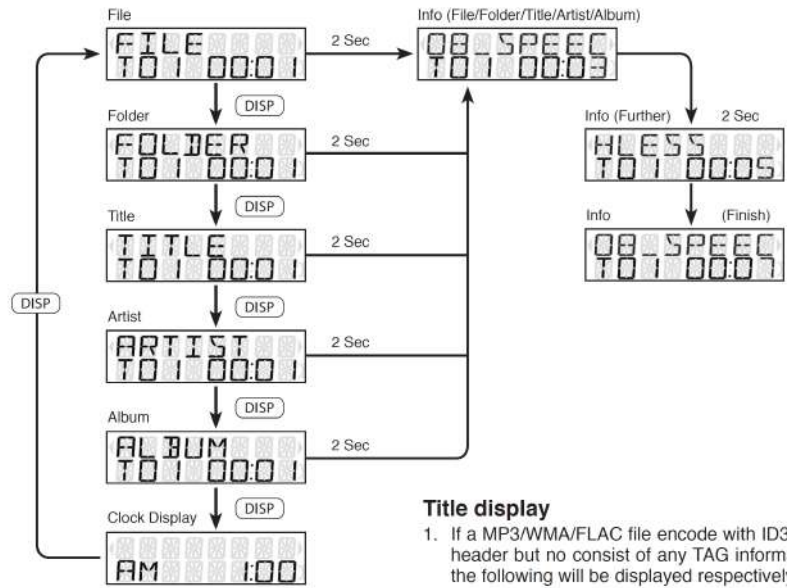
1. You can choose the display type for USB by pressing the [DISP] button. To select the next type, press the same button again.

● **USB mode:**

Main Display (File Name) → Folder Name → Title Name → Artist Name → Album Name → Clock Display → Main Display...

where Track, Folder, Title Tag, Album Tag and Artist Tag are called Title Display.

The arrangement is shown below.



Note:

- Each of the items in Title Display will display "FILE", "FOLDER", "TITLE", "ARTIST" or "ALBUM" respectively for 2 seconds before showing related title information.

Title display

1. If a MP3/WMA/FLAC file encode with ID3 TAG header but no consist of any TAG information, the following will be displayed respectively.

"NO ALBUM NAME" for Album Tag

"NO ARTIST NAME" for Artist Tag

"NO SONG NAME" for Title Tag

Note:

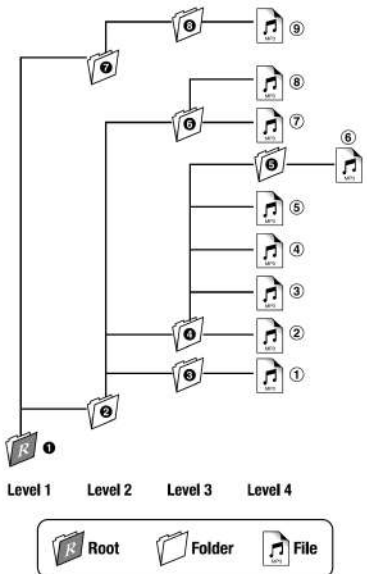
- The folder name will be displayed as "ROOT" which the file allocates in the root folder.
- For MP3, it supports ID3 Tags V2.4/2.3/2.2/1.1/ 1.0.
- The MP3 player decodes each file ID3 TAG ver. 2 by default, if ID3 TAG ver. 2 is unavailable, ID3 TAG ver. 1 will be decoded.

USB Common Operations

- UNICODE ID3 (Chinese, Japanese and etc) is not supported. Only ASCII characters can be displayed in Tags.
- If ID3 TAG has Japanese, Chinese or other non-supported characters, "*" will be displayed as substitution.

FLAC files are to be played by writing them onto a medium such as a USB with their file names beginning with play sequence numbers such as "01" to "99", depending on your USB writer.

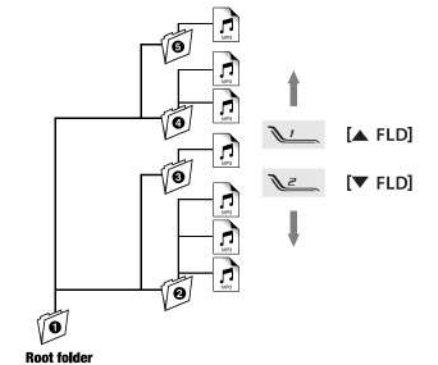
For example, a medium with the following folder/file hierarchy is shown below.



Folder select

This function allows you to select a folder containing MP3/WMA/FLAC files and start playing from the first track in the folder.

1. Press the [▲ FLD] button to move the next folder. Press the [▼ FLD] button to move the previous folder.



- Press the [▲ FLD] button while in the final folder will shift to the first folder.
 - Folder without any MP3/WMA/FLAC file is not selectable.
2. Press the [◀▶] button to select a track.

Selecting a track

● **Track-up**

1. Press the [▶▶] button to move to the beginning of the next track.
2. Each time the [▶▶] button is pressed, playback proceeds to another track in the advancing direction.

● **Track-down**

1. Press the [◀◀] button to move to the beginning of the current track.
2. Press the [◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● **Fast-forward**

Press and hold the [▶▶] button for 1 second or longer.

● **Fast-backward**

Press and hold the [◀◀] button for 1 second or longer.

MP3/WMA/FLAC playing order

During playback, files and folders are accessed in the order in which they were written by the CD-ROM writer or PC. Files might not always be played in the order displayed on the PC. You may be able to set the order in which MP3/WMA/

USB Common Operations

Top function

Press the **[BAND]** button, then the USB will start playing from the top.

Start to play the first track of first folder.

Other various play functions

● Scan play

This function allows you to locate and play the first 10 seconds of all the tracks in all folders.

1. Press the **[SCN]** button to perform scan play. the "**SCN**" indicator lights in the display.
 - * Scan play starts from the next track after the track currently being played.
 - * Scan play will proceed to next folder after all the tracks in the current folder have been scanned.

● All scan play

This function allows you to locate and play the first 10 seconds of the first track of all the folders on an USB.

1. Press **[SCN]** button during scan play to perform all scan play. the "**ALL**" and "**SCN**" indicators light in the display.
 - * All scan play will always start from the first track of next folder.

● To Cancel Scan

1. Press the **[SCN]** button again during All Scan play. the "**ALL**" and "**SCN**" indicators are turned off.

● Repeat play

This function allows you to play the current track repeatedly.

1. Press the **[RPT]** button to perform repeat play. the "**RPT**" indicator lights in the display.

● All repeat play

This function allows you to play all tracks in the current USB folder repeatedly.

1. Press **[RPT]** button during repeat play to perform folder repeat play. the "**ALL**" and "**RPT**" indicators light in the display.

● To Cancel Repeat

1. Press the **[RPT]** button again during All Repeat play. the "**ALL**" and "**RPT**" indicators are turned off.

● Random play

This function allows you to play all tracks of current folder in a random order.

1. Press the **[RDM]** button to perform random play. The "**RDM**" indicator lights in the display.

● All random play

This function allows you to play all the tracks of all the folders recorded on a USB in a random order.

1. Press **[RDM]** button during random play to perform all random play. The "**ALL**" and "**RDM**" indicators light in the display.

● To Cancel Random

1. Press the **[RDM]** button again during All Random play. the "**ALL**" and "**RDM**" indicators are turned off.

Introduction to Bluetooth® Wireless Technology

What is Bluetooth® wireless technology?

Bluetooth® wireless technology is a radio technology that connects devices, such as mobile phones and headsets, without wires or cords over a short distance of approximately 10 meters (Approx. 33 feet). Get more information at www.bluetooth.com.

What is Bluetooth® wireless profiles?

Bluetooth® wireless profiles are the different ways that Bluetooth® devices communicate with other devices. Bluetooth® phones support the hands-free profile (HFP). In order to support a certain profile, a phone manufacturer must implement certain mandatory features within the phone's software. The followings are the currently supported profiles for the main unit.

● Hands-Free Profile (HFP)

This profile is commonly used to allow car hands-free kits to communicate with mobile phones in the car. The Bluetooth® car kits allow users with Bluetooth®-equipped cell phones to make use of some of the phone's features.

● Advanced Audio Distribution Profile (A2DP)

This profile allows you to send CD quality stereo music from external audio player to car stereo without wires. A2DP is able to provide crystal clear music without the hassle of plugging cables. Bluetooth® Wireless Technology with A2DP makes mobiles phones, PDAs and computer capable of streaming music.

● Audio/Video Remote Control Profile (AVRCP)

This profile enables music from Bluetooth® audio player to be controlled remotely. AVRCP allows some basic playback control function such as play/pause, volume up/down and next/previous track to a Bluetooth® audio player.

What is pairing?

Bluetooth® devices will not work if the devices have not been paired. With a mobile phone featuring Bluetooth® technology, you must 'pair' the car stereo with the phone before you use it for the first time. 'Pairing' creates a unique wireless link between the phone with Bluetooth® wireless technology and your car stereo eliminating the need to repeat the pairing process during future use.

What is passkey?

Passkey or PIN is a code that you enter on your mobile phone to pair it with the Bluetooth® receiver unit. This makes your phone and the Bluetooth® receiver units recognize each other and automatically work together. The Bluetooth® wireless function in your phone has to be turned on to establish automatic connection.

Telephone Menu Mode

1. Press and hold the **[TEL]** button for 1 second or longer to enter Telephone mode.
2. Press **[<</>>]** button select the item. **VOICEDIAL ↔ REDIAL**

Note:

- Telephone menu mode only can access when Bluetooth connected.
- Voicedial only can support Android version 6 and above.

Bluetooth Settings Mode

1. Press and hold the **[ADJ]** button for 1 second or longer to enter Adjustment mode.
2. Press the **[<</>>]** button to select the "**B/TOOTH SETTINGS**" in the item list.
 - Please refer chapter "**Other Operations**" on page 20 for Adjustment function.
3. Press **[▶||]** button to enter "**B/TOOTH SETTINGS**" mode.
4. Press **[<</>>]** button to select the item. **(CONNECT DEVICE) ↔ ADD DEVICE ↔ (DELETE DEVICE) ↔ (DISCONN DEVICE) ↔ B/TOOTH RESET**

Note:

- Items in brackets will be displayed according to connection status.

Pairing with a mobile phone

1. Press more than 1 seconds **[TEL]** Button at head unit to enter Pairing Mode (when there is no device connected) or Select "**ADD DEVICE**" from B/TOOTH SETTINGS mode.
2. Press **[▶||]** button to enter then "**PAIRING**" is displayed.
3. Activate Bluetooth® on your mobile phone. Please check your mobile phone owner's manual for further details.
4. Search for new Bluetooth® device on the mobile phone. The car stereo's name is "**PROTON**".
5. Perform one of the method below: For newer phone that supports Secure Simple Pairing (SSP):
 - A random 6 digit passkey will be displayed. Compare and confirm the passkey on both the phone and head unit are matched.

Introduction to *Bluetooth*[®] Wireless Technology

For classic phone:

- Enter the defined PIN code when prompt ("0000" by default).

Upon successful pairing, system will automatically connect with the phone. the mobile phone will prompt for a passkey, enter the PIN.

Notes:

- Please make sure your mobile phone supports the HFP profiles.
- Always make sure the *Bluetooth* Operation mode in the phone is on when using this car handsfree.
- Any further connection attempts by other devices to connect as HFP partner are rejected until the current device is disconnected. Please refer your mobile phone owner's manual for disconnecting device.
- Timeout for pairing mode is 2 minutes.
- Please refer chapter "**Handsfree Operations**" on page 19 for telephone function.

Pairing with an external audio player (A2DP support)

1. Select "**ADD DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button to enter then "**PAIRING**" is displayed.
3. Set the *Bluetooth*[®] audio player in Pairing mode.

Notes:

- Please make sure your external audio player supports the A2DP and AVRCP profiles.
- Any further connection attempts by other devices to connect as A2DP/AVRCP partner are rejected until the current device is disconnected.
- The same device may connect as both A2DP/ AVRCP and HFP partner. This normally happens to mobile phone with wireless music streaming capability. However, using the same device might cause the A2DP/AVRCP to be disconnected when there is an incoming call or making a call.

- Timeout for pairing mode is 2 minutes.
- Please refer chapter "**Audio Streaming Operations**" on page 20 for music streaming functionality.

Cancelling pairing mode

1. During pairing mode, press the [**BAND**] button once to cancel Pairing mode.
2. The display returns to previous mode.

Deleting paired devices

1. Select "**DELETE DEVICE**" from B/TOOTH SETTINGS mode.
2. Press the [**▶||**] button. If there is device paired, "XXXXXXX" will be displayed
3. Press [**◀||▶**] button to select a device to be deleted and press the [**▶||**] button for the confirmation. "DELETED" will be displayed.
4. During "**DELETE ALL**", press the [**ENT**] button will delete all devices. "DELETED" will be displayed.
5. During "**DELETE ALL**", press the [**▶||**] button will enter the confirmation screen.
6. Press [**VOL+**] button to select "**YES**" and press [**▶||**] button for the confirmation.
7. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.

Note:

- Upon finish deleting, display will switch to B/TOOTH SETTINGS.

Connecting *Bluetooth*[®] device

The unit will automatically connect to the paired device after pairing. However, some phones will not allow automatic connection to the device after pairing; please use the phone to manually connect to the unit. Connection can be established at

any Source mode. If connection is unsuccessful, automatic connection will stop.

1. Select "**CONNECT DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**◀||▶**] button to select a paired device to be connect and press the [**▶||**] button.
4. Unit will try to establish a connection with the selected connected phone.

Notes:

- The "S" indicator will light on and device name and "CONNECT" will be displayed upon successful connection.
- The unit will also automatically connect to the last connected phone when car ignition is turned on.
- Make sure your phone's *Bluetooth* function is turned on, within acceptable range and no other *Bluetooth* devices such as headset is connected during automatic connection.
- Connection activated through unit is only HFP (Handsfree).
- Audio streaming connection will need to be initiated by the *Bluetooth* audio device itself. Some phones will connect audio streaming as well when HFP is connected.
- Any connection attempt with a new device will require disconnecting previously connected device first. Otherwise, connection will not be successful.
- It is not recommended to connect 2 devices (phone and external audio player) at the same time.

Disconnecting *Bluetooth*[®] device

1. Select "**DISCONN DEVICE**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**VOL +**] button to select "**YES**" and press [**▶||**] button for the confirmation.

Introduction to *Bluetooth*[®] Wireless Technology

4. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.
5. Unit will disconnect from all connected devices.

Notes:

- User can use the phone/device to manually disconnect from the unit.
- Turning off the unit power will also disconnect the device.

Resetting *Bluetooth* Settings

1. Select "**B/TOOTH RESET**" from B/TOOTH SETTINGS mode.
2. Press [**▶||**] button.
3. Press [**VOL +**] button to select "**YES**" and press [**▶||**] button for the confirmation.
4. Press [**VOL -**] button to select "**NO**" and press [**▶||**] button to return to previous screen.
5. All *Bluetooth*[®] setting will reset to factory default setting.

Note:

- All Pairing information will be deleted.

Handsfree Operations

Incoming call

Whenever your car stereo is operating, the car stereo is in standby mode waiting for the next call. When an incoming call arrives the car stereo is muted automatically and the ring tone is reproduced through your car's speaker.


Car stereo will temporarily switch to Telephone mode and caller ID will be displayed in the car stereo.

Notes:

- Car stereo will be automatically set as default speaker output every time when there is an incoming call.
- Caller ID display (telephone number) is dependent on mobile phone and network provider.
- Caller ID and "CALLING" will be displayed during incoming call.


● Answering a call

User can answer an incoming call directly from the car stereo. Alternatively, you may also answer the call by using your phone's answer keypad.

1. Short press the [] button to pick up an incoming call.
2. The display switch to Telephone mode.
3. During conversation, talk time is displayed.
4. Press the button [DISP] to transfer call between phone and head unit during conversation. "PRIVATE MODE" will be displayed.

● Rejecting a call

This function allows you to reject an incoming call via the car stereo.


1. Press the [] button to reject an incoming call.
2. "CALL REJECTED" will display before returns to previous mode.

Note:

- Alternatively, you may also reject the call by using your phone's keypad.

● Ending a call


This function allows you to end a call conversation via the car stereo.

1. Press the [] button to end the call.
2. "CALL ENDED" will display before returns to previous mode.

Note:

- Alternatively, you may also end the call by using your phone's keypad.


Making a call (Redial)

1. Select "REDIAL" from Telephone Menu mode.
2. Press [] button.
3. "DIALING" will be displayed when call is successfully activated.

Notes:


- Redial function is highly dependent on phone and phone's screen display level.
- Alternatively, user can make calls using the phone's keypad.

Making a call (Voice dial)

1. Select "VOICE DIAL" from Telephone Menu mode.
2. Press [] button.
3. "DIALING" will be displayed when call is successfully activated.

Canceling a call

This function allows you to cancel an outgoing call via the car stereo.

1. Press the [] button to cancel an outgoing call.
2. "CALL ENDED" will display before returns to previous mode.

Note:

- Alternatively, you may also cancel the call by using your phone's keypad.

Audio Streaming Operations

Note:

- Be sure to read the chapter "Pairing with an external audio player (A2DP support)" before proceeding.

What is audio streaming?

Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream.

Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers.

Listening to audio streaming



1. Press the [SRC] button and select the B/TOOTH AUDIO mode, then audio streaming will be played.

"TUNER" → "USB" → "B/TOOTH AUDIO" → "TUNER" → ...

Notes:



- System will not automatically switch to B/TOOTH AUDIO mode when A2DP is connected.
- If the B/TOOTH AUDIO mode is selected when no A2DP device is connected, the display shows "NO AUDIO".

Play/Pause a track



1. Press the [] button to pause play.
2. To resume track play, press the [] button again.

Selecting a track

● Track-up

1. Press the [] button to move to the beginning of the next track.
2. Each time the [] button is pressed, playback proceeds to another track in the advancing direction.

● Track-down


1. Press the [] button to move to the beginning of the previous track.
2. Each time the [] button is pressed, play back proceeds to previous track in the reverse direction.

Fast-forward/fast-backward

● Fast-forward

1. Press and hold the [] button for 1 second or longer.

● Fast-backward

1. Press and hold the [] button for 1 second or longer.

Note:

- This feature is dependent on mobile phone and mobile application.

● Display selection


1. You can choose the display type by pressing the [DISP] button.
2. Every time the [DISP] button is pressed, the display type switches in the following order:

Main Display (Title Name) → Artist Name → Album Name → Clock Display → Main Display...



Other Operations

Adjustment mode

1. Press and hold the [ADJ] button for 1 second or longer to switch to the adjustment selection display.

2. Press the [] button to select the "item name".

"12/24 HR" ↔ CLOCK EDIT ↔ B/TOOTH SETTINGS ↔ RDS SETTINGS ↔ FACTORY RESTORE

- Some of the items will have "  " indicator light on, the [] button must be pressed to display the setting value.

3. Press the [VOL +/-] button to select the "desired setting value".

● Clock Format

Toggle between 12 or 24 hour format for clock display.

1. Press the [VOL +/-] button to select "24 HOURS" or "12 HOURS"

12 HOURS - 12 hour format display

24 HOURS - 24 hour format display

● Clock Edit

This settings allows the user to adjust the clock manually.

1. Select "CLOCK EDIT".
2. Press the [] button.
3. Press the [] to toggle between hour/minute adjustment.
4. Press the [VOL +/-] button to decrease the hour/minute.
5. Press the [] button to store the settings.

Other Operations

● AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

1. Select AF function from "RDS SETTINGS" mode.
2. Press the [▶||] button.
3. Press the [VOL +/-] button to select "AF ON" or "AF OFF".

● AF ON:

"AF" in the display lights and AF function turns on.

● AF OFF:

"AF" in the display goes off and AF function turns off.

● Factory Restore

1. Select "FACTORY RESTORE".
2. Press the [▶||] button.
3. Press [VOL +] button to select "YES" and press [▶||] button for the confirmation.
4. Press [VOL -] button to select "NO" and press [▶||] button to return to previous screen.

Note:

- System will restart when factory restore is initiated.

Compatible Devices

Supported phones with *Bluetooth*[®] wireless technology

Make sure your mobile phone supports the following *Bluetooth*[®] profile:

- HFP (Handsfree for mobile phone)

Optional profiles for audio streaming in mobile phone:

- A2DP (Stereo music streaming)

- AVRCP (Remote control function)

Compliant with *Bluetooth*[®] version (V3.0, V2.0, V1.2 and V1.1)

Please check your phone's specification for supported profiles or consult Proton service center for your phone compatibilities.

5. TROUBLESHOOTING

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced)	Fuse is blown	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound heard.	The speaker protection circuit is operating.	<ol style="list-style-type: none"> 1. Turn down sound volume. Function can also be restored by turning the power off and on again. (Speaker volume is reduced automatically when the speaker protection circuit operates). 2. If the sound is muted again, consult our service department.

	Problem	Cause	Measure
B/TTOOTH Audio	Audio streaming is disconnected after telephone interrupt.	Some phones will disconnect A2DP during telephone interrupt.	Reconnect A2DP/AVRCP (Audio streaming profiles) from the phone again after telephone interrupt. Disconnect and reconnect <i>Bluetooth</i> [®] connection if necessary.
	Cannot perform remote control for audio streaming.	AVRCP is not connected.	Disconnect and pair the device again. Or refresh <i>Bluetooth</i> [®] service list in phone.
	Audio streaming will begin to pulse on/off when using your connected phone.	Due to excessive <i>Bluetooth</i> [®] activity on a low bandwidth link. Some phones will not handle this well.	If your phone is facing this problem, please do not use your phone while audio streaming.
	Display is showing "B/TTOOTH AUDIO" but there is no sound output.	Music in external audio player might be paused.	Check whether both device and main unit are in play status. Change the status in the device if necessary. If problem persists, turn external music player off and on.
There might be connection links broken between the devices.		Please delete pairing information on both device and main unit and start re-pairing.	

Troubleshooting

	Problem	Cause	Measure
MP3/WMA/FLAC (USB memory device)	No sound heard.	MP3/WMA/FLAC files are absent in the USB memory device.	Write MP3/WMA/FLAC files onto the USB memory device properly.
		Files are not recognized as an MP3/WMA/FLAC file.	Use MP3/WMA/FLAC files encoded properly.
	Sound is cut or skipped. Noise is generated or noise is mixed with sound.	MP3/WMA/FLAC files are not encoded properly.	Use MP3/WMA/FLAC files encoded properly.
	USB memory device cannot be detected.	USB memory device may be damaged.	Reinsert the USB memory device to try again. Replace with a new USB memory device if failed.
		USB memory device connector is in bad condition.	
		There may be compatibility issue with the USB memory device.	Please use another USB memory device
	USB memory device is unable to plug into the USB slot.	The USB memory device connector may be inserted to the slot in the wrong direction.	Reinsert the USB memory device with the correct direction.
		USB memory device may be damaged.	Replace with a new USB memory device.
		The shape design of the USB memory device prevents it to be properly inserted to the slot.	Use a USB extension cable.
	USB card reader cannot be detected.	USB card reader is connected to main unit first before inserting memory card to the card reader.	Insert the memory card to USB card reader first before connecting to the main unit.
	USB hard disk drive (HDD) cannot playback or error display is shown.	These devices are not supported.	Use only compatible USB memory device.
	Unable to playback songs.	There may be compatibility issue with the USB memory device.	Please use another USB memory device
Too many songs are stored, some amount of time are required to read all the tracks available.		Reduce the number of songs in the USB memory device.	

Troubleshooting

	Problem	Cause	Measure
Bluetooth and Telephone	After pairing, car stereo is not able to receive and make calls.	Bluetooth® connection is not established yet. Normally it will take several seconds to establish the connection after pairing. Some phones will not automatic connect after pairing.	Use your phone to manually connect or select "CONNECT DEVICE" from Bluetooth Setting Menu mode to connect the selected paired phone. Restart car ignition and perform pairing again. Always make sure pairing information on both device and main unit have been deleted before starting a new pairing activity. If the problem persists, please consult with nearest service center for your phone compatibility.
		Car stereo is connected to other device.	Disconnect the previous device and reconnect current device.
		Unable to reconnect to car stereo using phone.	The device pairing information may have been deleted from the unit.
	Callers voice sounds distorted or is intermittent.	Volume is too loud (depends on the car environment, speakers and microphone) and half-duplex mode is automatically triggered.	Try reducing the telephone volume level.
	Caller reports poor voice quality at remote end.		
	Difficulties of pairing and connecting with phone during another Bluetooth® operation such as audio streaming.	Due to excessive Bluetooth® activity on a low bandwidth link, it may result hard to get paired and connected.	Disconnect all devices. Try pairing with phone first and connect A2DP device later.
	There is no sound output when incoming call is answered.	Incoming call was answered too quickly before you hear the ringing tone. This can cause the audio not properly transferred to the main unit by some phones.	Please use your phone to transfer the audio back to the phone for the current ongoing call. Kindly answer the call only when you hear a ringing tone next time. If the problem persists, please reconnect the phone or create new pairing before the next incoming call.
	There is no sound output during conversation.	Bluetooth® communication link is lost.	Please disconnect the phone and reconnect. If the problem persists, please create new pairing for both phone and main unit.
	Cannot operate the handsfree function properly	No response from mobile phone.	Turn off and on the mobile phone.

6. ERROR DISPLAYS

	Error Display	Cause	Measure
USB MEMORY DEVICE	DEVICE ERROR	Failure detection of USB memory device when it is plugged into the port.	Unplug the USB memory device and re-plug into the port.
	NO FILE	No audio file is detected in the media.	Replace with audio contents loaded USB memory device.
	OVER CURRENT	USB connector short circuit/ overloaded.	Unplug the USB memory device, turn off the car stereo power and then turn on the power again.
	NO RESPONSE	Device no response after 20 sec of file reading.	Reduce the number of file in the USB memory device.
	USB HUB ERROR	USB HUB is connected	Unplug the USB HUB and plug in USB memory device into the port.

	Error Display	Cause	Measure
Bluetooth®	CALL FAIL	Calling is not successful.	Please try a few more times or dial from phone if necessary.
	BLUETOOTH CONNECT FAIL	Can not connect the phone Bluetooth	Restart the phone

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7. SPECIFICATIONS

Radio section

Tuning system	: PLL Synthesizer tuner
Receiving frequencies	: FM : 87.5 to 108 MHz (0.05 MHz steps, Manual) (0.1 MHz steps, Auto) AM : 531 to 1602 kHz (9 kHz steps)

USB section

Compliance	: USB 2.0
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General

Max. power output	: 4 x 25 W (4 Ω load)
Current consumption	: Less than 10 A
Speaker impedance	: 4 Ω (4 Ω to 8 Ω allowable)
Power supply voltage	: DC 13.2V, negative ground.
Weight	: 1.03 kg
Dimensions	: 133.40mm Width x 171.17mm Height x 226.80mm Length

Bluetooth® wireless technology

Compliance	: Bluetooth: © 5.0
Frequency range	: 2.40 to 2.4835 GHz, ISM band
RF power	: Class 2 (2.5mW)
Profiles	: HFP, A2DP, AVRCP
Telephone operation	: Noise reduction, Echo cancellation, Full duplex telephony

Note:

- Specifications and design are subject to change without notice for further improvement.

WARRANTY INFORMATION

- FOR WARRANTY INFORMATION AND CLAIMS WITHIN FIVE YEARS OR 150K KM OF CAR PURCHASE PLEASE CONTACT YOUR NEAREST PROTON EDAR SERVICE CENTER.

Perusahaan Otomobil Nasional Sdn Bhd (100995-U)
Persiaran Kuala Selangor, Seksyen 26, 40400 Shah Alam, Selangor Darul Ehsan Malaysia.
T (+603) 5102 6100, F (+603) 5191 6527



Part No	: PW954956
Language	: ENGLISH
Model	: Persona& Iriz
Date	: August 2024



PERUSAHAAN OTOMOBIL NASIONAL SDN. BHD. (100995-U)

HICOM Industrial Estate, Batu 3,
P.O Box 7100, 40918 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Fax: +603 5191 1252

proton.com

PROTON Customer Care 1 800 888 398