

# Viper

Garage Door Operator System™

## Residential Garage Door Operator System

### Amazingly Quiet...

The Viper X50 and Viper X70 are feature-rich, reliable systems designed to perform, built to last and guaranteed to provide years of trouble-free operation. Their advanced operating system and Direct Current (DC) motor ensures an amazingly quiet operation. Backed by the longest warranty in the business any Viper operator will give you Quiet, Performance, & Durability.



**Viper X50**



**Viper X70**

**Viper X50**

**Viper X70**

**[E O S]** EASY OPERATING SYSTEM



X50 - 15 Year Parts Warranty  
X70 - Lifetime Parts Warranty

# Viper X50/X70 Specifications



## Electrical

Power Supply:	120 VAC / 60Hz
Control Voltage:	24 VDC
Motor Voltage:	24 VDC
Thermal Protection:	Automatic
Power Cord:	6ft (3-Prong)

## Operator Features

Travel Rate-Main:	5.5 in/sec
Push & Pull Force:	
Viper X50:	500 Newton (1/2 HPS)*
Viper X70:	700 Newton (3/4 HPS)*
Operating force and system sensitivity for open and close position independently adjustable	
Logic Type:	Microprocessor with Built-In Surge Suppressor
Limit Settings:	Electronic
Class II - Low Voltage Connections: Quick Connect Terminals	
Display:	8-LED Operation/Diagnostic system
Operator weight:	Viper X50: 9 lbs Viper X70: 10 lbs

Dimensions (L x W x H):	
Viper X50:	18 1/4" x 8 1/2" x 6 3/4"
Viper X70:	14 1/2" x 14 5/8" x 6 3/4"

## Photo Eye Sensors Safety System

Non-impact, advanced Infrared Safety Sensors reversing system. Complies with all UL 325 requirements and safety regulations.

## Radio Controls

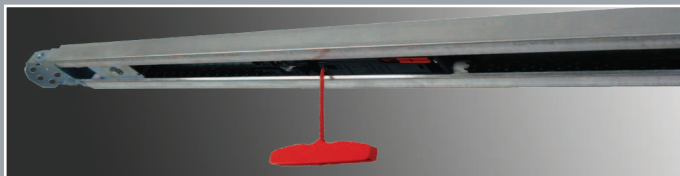
Receiver:	Modular, wireless code learning
Frequency:	315MHz (Homelink® compatible)
Technology:	Multibit code

## Digital Transmitter

Included Transmitter:	
Viper X50:	One 2-ch. MINI
Viper X70:	One 2-ch. MINI
Operating Range:	100ft. approx.
Battery:	One 3V battery

\*Horsepower comparable in strength (HPCS™), using lifting force specifications to a 1/2HP and 3/4HP garage door operator.

## Drive System



## Rail

The best in advanced engineering and materials. One piece semi-closed fully assembled drive system with a high strength galvanized steel finished C-rail, available with a steel-reinforced belt or a full steel chain.

Drive system overall length for a 7ft. door: Viper X50: 10'-10 1/4"  
Viper X70: 10'-6 1/2"

## Wired Controls

Modular Multi-Function Wall Control with Vacation/Lock Switch

## Lighting System

Time controlled:  
Viper X50: 1 bulb, 60W Max.  
Viper X70: 2 bulbs, each 60W Max. (not provided)

## Lens Cover

High impact, heat resistant, UL recognized plastic:  
Viper X50: 1 lens cover  
Viper X70: 2 lens covers

## Safety and Convenience

- Meets and exceeds all UL 325 requirements
- Easy Operating System (EOS™)
- External devices Quick Connect Terminals located on the rear of the operator for an easier and quicker installation
- Infrared photo eye protection system
- Safety reversal (sensing technology) system, door stops from closing upon contacting a person or object.
- Warning System (light flashes) during an obstructed condition
- Manual emergency release in case of power failure
- On-Command Door Activation (OCDA™), programmable "open" intermediate position to vent the garage
- Maximum Run Timer – Protects against damage to door and operator, door stops and reverses
- **Energy Conservation Feature:**
  - Adjustable light timer from 30 seconds to a maximum of 4 minutes 30 seconds
- **Self Learn Force System:**
  - Monitors and controls motor force every cycle (Smart Motor®) to optimize operation force requirements
- **Soft Start/Soft Stop:**
  - Electronically Controlled - Prevents premature door and operator wear and provides quieter operation
- **Self-Diagnostic System:**
  - LED error code indicator for a more efficient (quicker) installation and system troubleshooting
  - System reset function clears the system memory and restores default system settings

## Connection Terminals

- The external devices/accessories Quick Connect terminals integrate all external devices connections in a central location, **on the rear of the operator**, providing for an easier and quicker installation, easier connectivity verification.
- Innovative concept where the receiver module is simply plugged into the unit. This allows for quick and simple frequency changes.

## Warranty

**Viper X50: 15 years on parts**  
**Viper X70: Lifetime on parts**



## Accessories

### Transmitters

Two styles of digital remote control transmitters in three different configurations: 2-channel MINI, 4-channel MINI (optional), and 3-channel MICRO (optional) remotes for controlling other devices. Unique, multi-bit technology, LED control button verification.



### Modular Multi-Function Wall Station

Provides door operation and convenience from inside the garage. Compact, stylishly designed to fit in a standard single gang electrical box. Illuminated push-button. Security vacation/lock switch. Light control. Individual control stations can be combined into one solid panel.



### Wireless Keyless Entry System (WKES)

Convenient, 4-digit PIN. Controls up to 3 different garage doors. Code security. Weather resistant. Provides temporary access to authorized visitors or service personnel.



Marantec reserves the right to make design and technical specifications changes without notice  
Patents: 4 625 291, 4 88 531, 7 009 592 (other patents pending)



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Access Systems ▶ Automatically The Best Choice

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Door Heights Supported:	7ft, 8ft, 10ft.
Headroom Clearance Required:	1 1/4"
Trolley:	Includes emergency release, easy reconnect