

Framing Your Smart Mirror

Touch Overlay
Step-By-Step Guide

DIFFICULTY: Essential Woodworking Skills

ESTIMATED TIME: 3-4 Hours

MIRROR SIZE: Equal to exterior display size

The frame serves several purposes in a smart mirror. Naturally, there is the decorative aspect to a frame, complementing your décor, or creating a focal point in a room with a more audacious style. In addition to the decorative aspect, a frame holds the glass in front of the smart mirror and hides the unsightly bezel and sides of the display. With the addition of an infrared repeater, the signal from your remote is still able to control the display through the frame.



TWO WAY MIRROR TIP:

Have the right tools before beginning.
Measure twice, even thrice, but cut only once.



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Tools



SMART MIRROR



FRAME STICKS



ROUTER TABLE



WOOD GLUE



#6 1/2" SCREWS



TAPE MEASURE



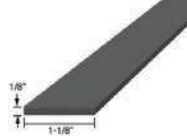
RUBBERIZED CLAMP



LONG CLAMPS



ISOPROPYL LENS CLEANER



RUBBER SHIMS



Z-BAR HANGER



TABLE SAW



CHOP SAW



TOUCH OVERLAY





1 Measure Touch Overlay & Bezel:

❑ Measure viewable area of the television. You want to measure the size of the top, bottom and sides of the bezel. Pay attention to any irregularities, such as the infrared sensor (see #1). This will be the rabbet you cut into your frame to fit the glass TV and IR frame.

2 Cut Frame Sticks Using Chop Saw:

❑ The overall dimensions of your frame will equal the viewable area of the television plus the frame width. Use a fine toothed blade to make sure your frame doesn't chip.

3 Use Router Table To Increase Rabbet:

❑ Check your results against the face of the display as you go.

4 Join Frame Corners:

❑ Use Cornerweld wood glue to join opposing corners. Place 1/8" wedge under each end if necessary to ensure corners are flawless.

5 Use Long Clamps to Join Frame:

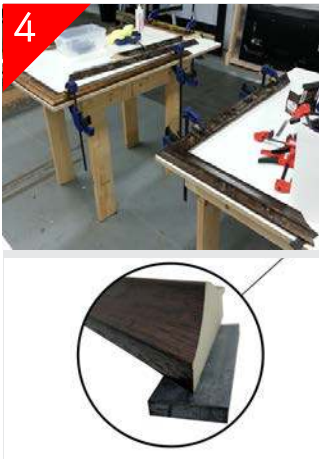
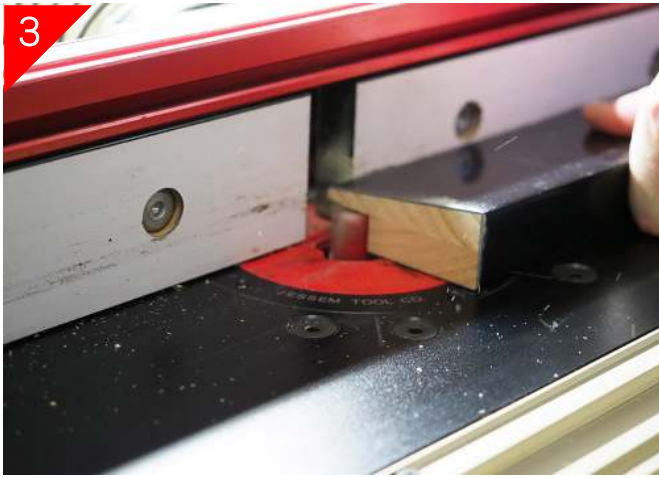
❑ Once clamps are joined let sit for at least one hour. Careful not to over-tighten them on delicate frames.

6 Measure Back Build Frame:

❑ Measure the remaining distance to the back of your smart mirror. Your back frame will need to be level with the back of the display.

7 Cut & Glue Back Build Frame:

❑ Cut the back build sticks 1/16" shorter than the front frame. Turn the front of the frame upside down and glue on your back build.



8 Tape TV Bezel & Test Measurements:

❑ Assemble touch frame and place down within frame. Test your measurements and adjust accordingly. Place glass over touch overlay. Tape off any silver bezels so they do not show through the mirror.

9 Put together Touch, Mirror and Television:

❑ Cut Z-bar hangers to fit over television. Be sure to find where the IR sensor is located. Do not cover the sensor with the Z bar.

10 Plug & Play

❑ The touch overlay is compatible with windows. Plug directly into the intel compute stick and the compute stick into the USB of the television.