

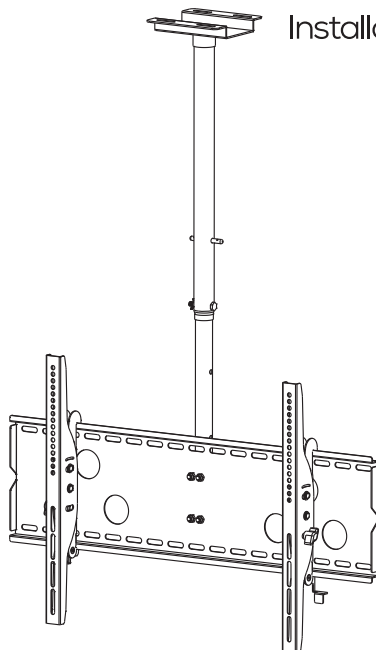


SHADOW MOUNT SERIES

Tilting TV Ceiling Mount

Model: LCDCM37 / LCDCM60

Installation Instructions



UNPACKING INSTRUCTIONS

- Carefully open the carton, remove contents and lay out on cardboard or other protective surface to avoid damage.
- Check package contents against the Supplied Parts List on the next page to assure that all components were received and are undamaged. Do not use damaged or defective parts.
- Carefully read all instructions before attempting installation.

IMPORTANT SAFETY INFORMATION

This product was designed to be used for a specific purpose and configuration. The manufacturer can not be held liable for damage or injury caused by assembly, installation, or use beyond the intended application.

- Please review these instructions prior to installation. Carefully follow assembly and installation instructions contained herein. Use of proper safety equipment and safe handling techniques during installation will greatly reduce the chance of accident or injury.
- If you do not understand these directions, or have doubts about your ability to safely complete the installation, please contact a qualified contractor.
- Check carefully to make sure there are no missing or defective parts. Never use defective parts.



WARNING

CAUTION!

This TV mount must be securely attached to the ceiling. If the mount is not properly installed it may fall, resulting in possible injury and/or damage.

Tools Required

■ 3/16" Drill Bit

■ Phillips Screwdriver

■ 1/2" Masonry Bit

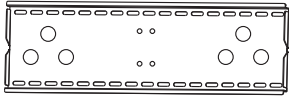
■ Stud Finder

■ Wrench or Socket Set

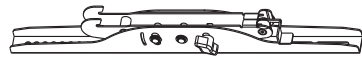
■ Carpenter's Level

Note: The mounting components and hardware supplied in this package are designed for installations to poured concrete ceilings. If the hardware you need for your installation is not included, please consult your local hardware store for proper mounting hardware for the application.

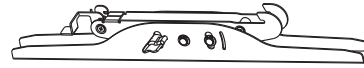
Supplied Parts List



(1)Wall Plate-a



(2)Monitor Bracket-b



(2)Monitor Bracket-c



(1)Connection Part-d



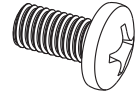
(4)M4x12 Bolt-e



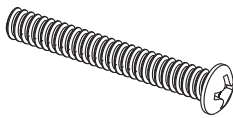
(4)M5x12 Bolt-f



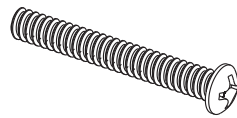
(4)M6x12 Bolt-g



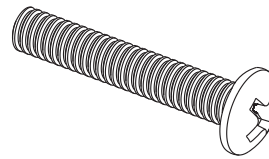
(4)M8x16 Bolt-h



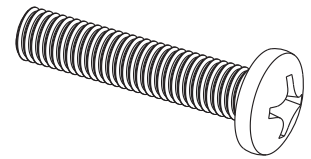
(4)M4x30 Bolt-i



(4)M5x30 Bolt-j



(4)M6x35 Bolt-k



(4)M8x40 Bolt-l



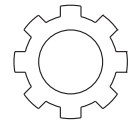
(4)M4 Lock Washer-m



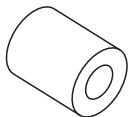
(4)M5 Lock Washer-n



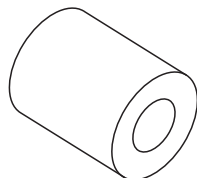
(4)M6 Lock Washer-o



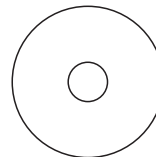
(4)M8 Lock Washer-p



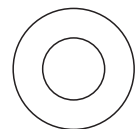
(4)M4/M5 Space-q



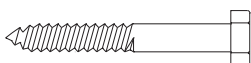
(4)M6/M8 Space-r



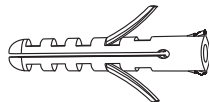
(8)M4/M5 Washer-s



(16)M6/M8 Washer-t



(4)Lag Bolt-u



(4)Concrete Anchor-v



(4)Short Bolt-w



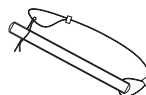
(3)Long Bolt-x



(5)Nut-y



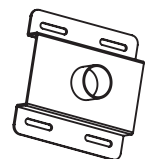
(2)Butterfly Nut-z



(1)Security Loop-A



(1)Tube Set-B

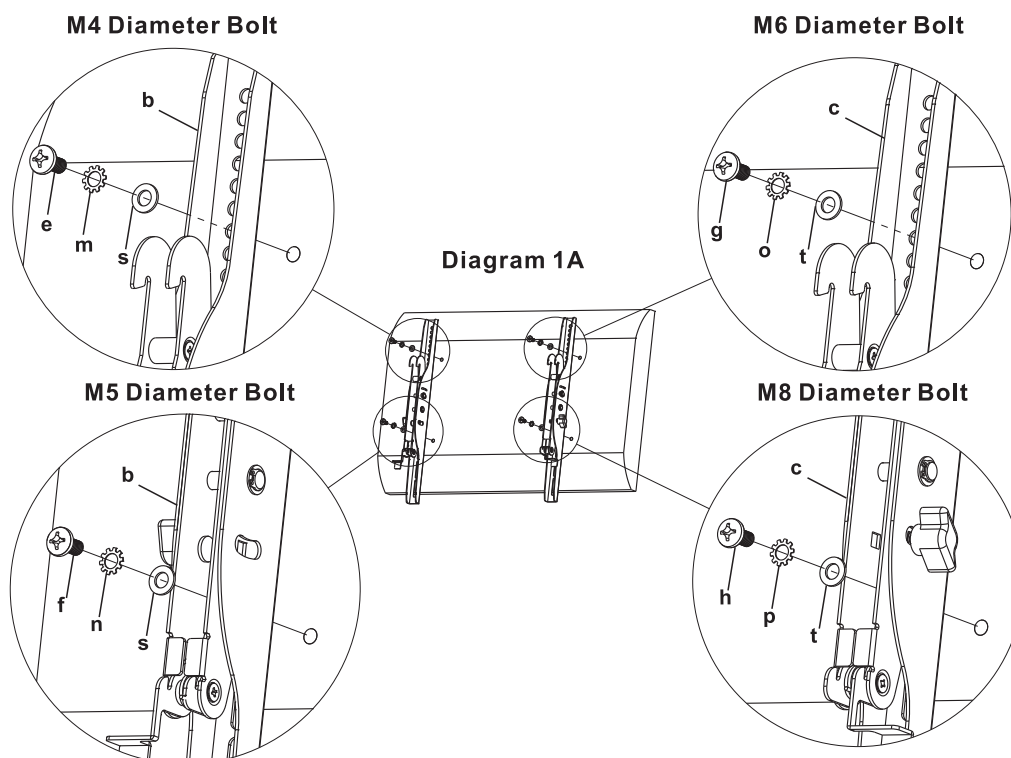


(1)Ceiling Plate-C

Step 1A

Mounting the Monitor Brackets to a TV with Flat Back

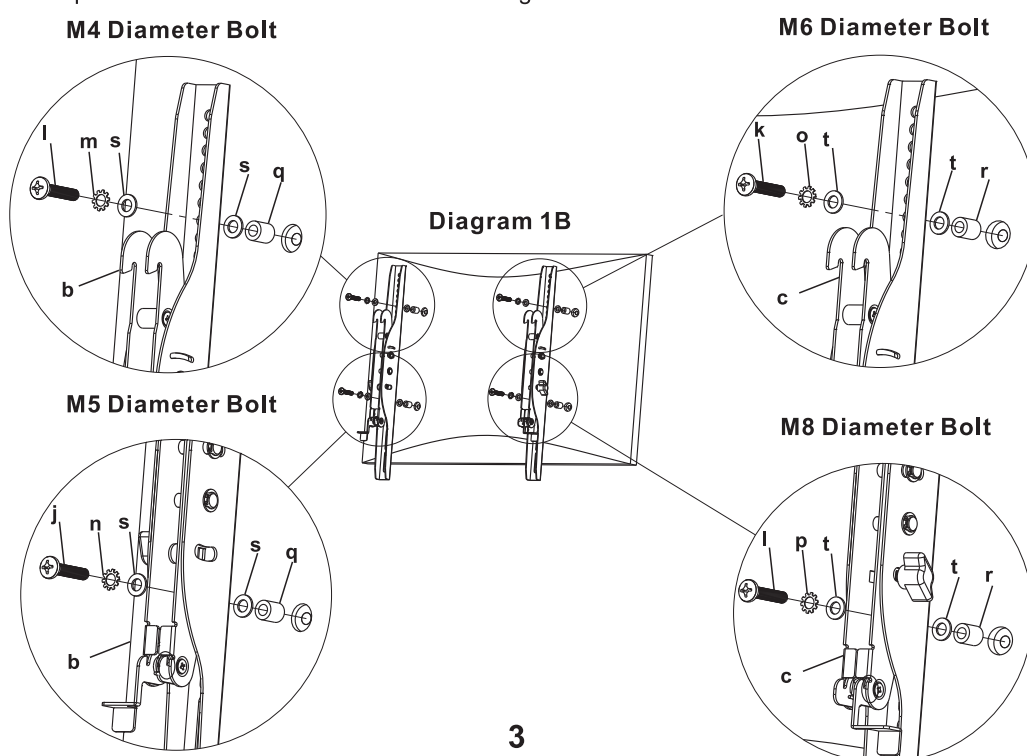
Locate the mounting holes on the back of your TV and determine the diameter of the screws to be used; M4, M5, M6, or M8. For a TV with a flat back you will use the set of short screws. For the left monitor bracket (b), place a lock washer (m, n, o, p) and flat washer (s, t) onto the screw (e, f, g, h) and thread through a hole in the monitor bracket into the TV's mounting hole. Repeat for the right monitor bracket (b). The position of the monitor relative to the wall plate can be adjusted by using the different holes in the monitor bracket; lower holes will position the TV higher on the wall plate while the higher holes will position the TV lower. Make sure the monitor brackets are level and plumb with each other. Refer to the diagram below.



Step 1B

Mounting the Monitor Brackets to a TV with Curved Back

Locate the mounting holes on the back of your TV and determine the diameter of the screws to be used; M4, M5, M6, or M8. For a TV with a curved back you will use the set of long screws. For the left monitor bracket (b), place a lock washer (m, n, o, p) and a flat washer (s, t) onto the screw (i, j, k, l) and thread the screw through a hole in the monitor bracket. Add a flat washer (s) and a spacer (q, r) onto the screw (i, j, k, l) and thread into the TV's mounting hole. Repeat for the right monitor bracket (b). The position of the monitor relative to the wall plate can be adjusted by using the different holes in the monitor bracket; lower holes will position the TV higher on the wall plate while the higher holes will position the TV lower. Make sure the monitor brackets are level and plumb with each other. Refer to the diagram below.



Step 2

Assemble the Ceiling Mount

Note: Prior to assembling the TV mount, use the ceiling plate(c) as a template to mark four hole locations on the ceiling.

Step 2A: Insert the tube set (b) through the ceiling plate (c).

Step 2B: Adjust the tube set to the desired length and insert a long bolt (x) and a hex nut (y) through the top hole. Insert the bolt of the security loop (a) through the bottom hole and insert the cotter pin through the hole in the bolt.

Step 2C: Align the connection block (C) with the back of the wall plate (a). Insert a short bolt (w) through the connection block and wall plate and secure at the front using a washer (t) and hex nut (y). Repeat for the three remaining holes.

Step 2D: Determine the ideal viewing angle for the TV and connect the tube set to the connection block. Place a washer (t) onto a long bolt (x) and insert the bolt through the bottom hole of the connection block and tube set. Secure with a washer (t) and a wing nut (z). Set the viewing angle by installing a washer (t) onto a long bolt (x) and inserting the bolt through a top hole of the connection block and tube set.

Step 3

Mounting the Ceiling Plate to the Ceiling

Drill the four mounting holes that you marked earlier in the ceiling using a 3/8" masonry bit to a minimum depth of 3". Insert a concrete anchor (V) into each hole; the anchor must seat flush with the concrete surface, even through a layer of drywall or other material. Place a lag bolt washer (T) onto each lag bolt and thread the lag bolts (U) through the holes in the ceiling plate. Firmly tighten the lag bolts using a wrench or socket wrench.

Diagram 2A

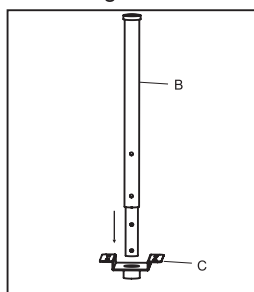


Diagram 2B

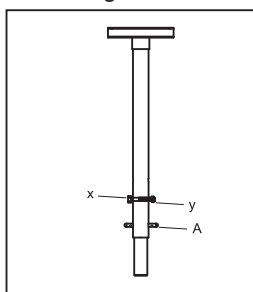


Diagram 2C

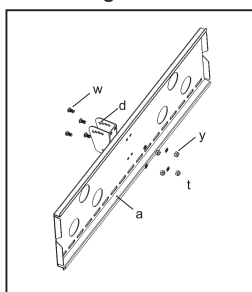


Diagram 2D

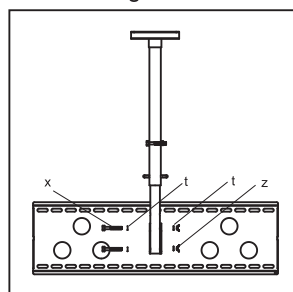
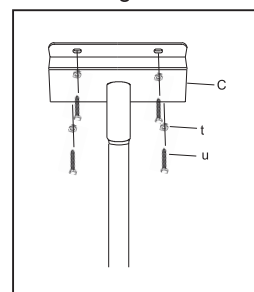


Diagram 3



Step 4

Using the RailClip™ Feature to Attach a Monitor to the Wall Plate

Warning: Some TVs may require two people to lift. The manufacturer can not be held liable for damage or injury caused by improper installation techniques.

Lift the monitor to a level where you can hook the monitor brackets over the top rail of the wall plate. Allow the bottom of the monitor brackets to rest on the bottom rail of the wall plate. Reach behind the TV and use your index fingers to pull the RailClip™ "triggers"; this will allow the monitor bracket to settle against the wall plate. Release the RailClip™ "triggers" after you feel and examine that the clip has moved over the bottom rail of the wall plate. This will securely hold your TV to the bottom rail of the wall plate as shown in the diagram below. If you need to remove the mount from the wall plate, simply reverse the flow of these directions.

Diagram 4A

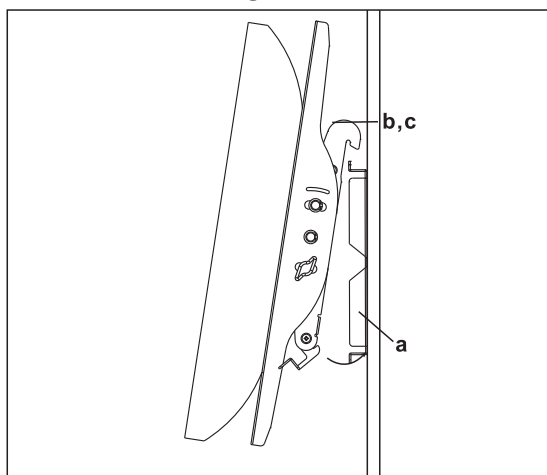
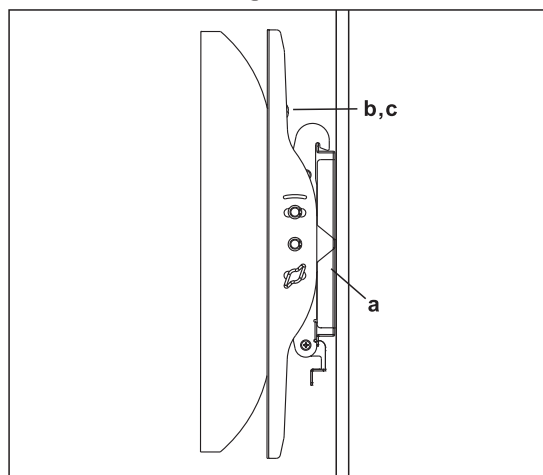


Diagram 4B



Thank you for choosing Dayton Audio