Features:
- Installs between 16” (406mm) wood stud centers
- Mounting Pattern Compliance:
  - VESA 100*100mm, 200*100mm, 200 x 200mm
- Level 5 degree horizontal adjustment left and right
- Maximum weight capacity up to 80 lbs
- Lift and lock for easy installation
- U-cap system for clean and simple cable management
- +15°/-5° of easy tilt
- Three pivot points with up to 180° swivel
Tools Needed for Assembly

- Stud finder ("edge to edge" stud finder is recommended)
- Phillips screwdriver
- Pencil
- Hammer Drill (Concrete installation only)
- 5/32" drill bit for wood studs, 5/16" drill bit for concrete
- 3/8" socket wrench or bit driver for wood screws
- Level
- Tape measure

Component Checklist

Mount Arm assy (x1)
Adapter plate (x1)
In-wall Box (x1)

Bits Bag

- Lag Bolt 6*50mm (x5)
- Metal washer diameter 6 (x4)
- Nut M8 (x4)
- Metal washer diameter 8 (x4)
- Spacer (x4)
- 5mm Allen Key (x1)
- Open-end wrench (x1)

Mounting Screws (Cross Recess)

- M4x16mm (x4 each)
- M5x16mm (x4 each)
- M6x16mm (x4 each)
- M8x16mm (x4 each)
- M8x35mm (x4 each)
Step 1  Mounting the In-wall box

In-wall box must be installed between two studs 16" on center. Use an edge-to-edge stud finder (Fig. 1.1) to locate the edges of the stud. Based on its edges, draw two vertical lines down the inside edges of stud’s. Mark desired center of in-wall box. Draw a horizontal line 6" (153 mm) above center of in-wall box. Draw a second horizontal line 12" (306 mm) below this line to outline wall opening between inside edges of studs. Remove drywall inside cut outline.

NOTE: In-wall box can be installed for right side mount orientation as shown in Fig 1.2.

Insert in-wall box into cut-out until flange is flush with drywall. Level in-wall box, and mark the position of two mounting holes using holes on mounting tabs. Remove in-wall box and pre-drill 5/32” (4 mm) dia. holes 2” (50.8 mm) deep using the locations previously marked. Reinstall and level in-wall box. Secure using two lagbolts 6x50mm wood screws as shown in Fig 1.3.

Notes:
- We do not recommend using a drill driver or impact wrench to tighten bolts.
- Tighten lag bolts so that wall plate is firmly attached to wall, but DO NOT over tighten. The lag bolts can be damaged by overtightening which will strip their threading.
- Final tightening of lag bolts should be done by hand using a ratchet wrench and socket.
Step 2  Mounting the mount arm assy

Align the hole pattern on interior mounting plate of in-wall box with hole pattern on the wall plate of mount arm assy.

NOTE: Consider position of display center or routing of cables before securing arm to in-wall box.

Drill two 5/32" (4 mm) holes 2" (50 mm) deep using interior mounting plate holes of in-wall box as a guide.

Attach the mount arm assy to in-wall box using two lag bolt 6x50mm wood screws.

Notes:
We do not recommend using a drill driver or impact wrench to tighten bolts.
Tighten lag bolts so that wall plate is firmly attached to wall, but DO NOT over tighten. The lag bolts can be damaged by over tightening which will strip their threading.
Final tightening of lag bolts should be done by hand using a ratchet wrench and socket.
**Step 3  Assemble the Adaptor Plate**

Fix the adapter plate onto the display with the selected mounting screws, washers, and any required spacer.

Now slide the opposite mounting rail into position, align it with the mounting holes, and secure with the mounting hardware.

*For screen with a hole pattern in a pocket, spacer go between Assembly Adapter Plate and screen. Spacer*

**Note:**
Recessed Mounting Holes. If the mounting holes are recessed into the back of the display, use the supplied spacers to pack the recessed hole. Ensure that the hook brackets are securely fixed to the display.

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**Step 4  Attaching the display to the mount**

1. **BY HAND**, After the locked front plate is hanging on the wall panel, attach two M8mm Nut and metal washer diameter M8mm into screws on the adapter panel as shown Fig.4. Leave approximately 3/8" of exposed thread.

2. With the help of an assistant, carefully lift the display and hook it over the mounting head by lowering the exposed portion of the top screws down the open key slots.

3. Once in position, attach the bottom two M8mm Nuts and two M8mm metal washer to secure the display to the mounting head using Open-end wrench. Tighten the screws as shown Fig.5.

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**Fig.4.**

**Fig.5.**
Step 5  Using Cable Management

The IW-55C includes a cable management system where cable can be routed along the length of the arm assembly. For optional installation of electrical gang box, access plates located on the bottom or top of in-wall box can be temporarily removed to install electrical gang box as shown in fig 6. Route the display cable along the entrance of the cable management slot. (Fig.6)

Note: For optimal performance, route the AC power cable separately from the audio and video cables.

With all cables in place, pull the display in and out to be certain that the arm assembly moves freely, without stretching or damaging the cables.

Step 6  Adjusting the Display

The IW-55C provides a wide range of adjustment possibilities to suit your environment.

Roll Control - Horizontal leveling of the flat panel display. Grasp the edge of the display and roll it up or down into a level position (Fig.7.1).

Tilt Adjustment - Raising or lowering the screen to improve viewing angle. First release completely the tilt knob as shown (Fig.9) Second Grasp the upper and lower edges of the display, and then turn it to the desired tilt angle (Fig.8).

To lock the tilt angle, tighten the tilt knob (Fig.10) securely.

NOTE: For heavier displays, never fully release the tilt knob without fully supporting the display.

The tilt lever includes a ratchet function, so that it can be lifted and repositioned for the next turn. To operate the ratchet, pull the lever straight out, rotate it to an unobstructed position, release the lever, and then turn it in the desired direction. Repeat as necessary until the tilt tension is set properly (Fig.10).
Swivel - Adjust the flat panel display for off center viewing positions. Grasp the side edges of the display and then swivel display into its desired position (Fig.11).

Panning - Positions the flat panel display at an angle to the wall for viewing from opposite sides of the room. Grasp the side edges of the display and then swivel and pull the display into desired position (Fig.12).

Retracting the Flat Panel Display - Positions the display against the wall. Grasp the side edge of the display, swivel and pull the display into the center position (Fig.13), and then gently push the display straight back towards the wall into the retracted position (Fig.14).

Note:
Use care when moving the display to ensure that cables do not become stretched or pinched. It is suggested allowing a small amount of slack in cables to allow for easy movement without pinching.

Maintaining the IW-55C Universal Cantilever Mount

The arm assembly and wall plate may be cleaned with a soft sponge and mild solution of soap and water.

Caution: Be sure not to get moisture on the electrical connections or the display.