Installation Guide

HoverTrack® Series 1X4 Video Wall Display

This display kit mounts NEC X461UN & X462UNS LCD monitors in a 1 wide by 4 deep landscape configurations. The assembly attaches to a wall and receives the LCD monitors by way of four machined fittings per monitor that thread into the monitor's VESA holes, then insert into the display fixture. Locking arms secure the monitor to the fixture and provide an easy way to remove the monitors for service. A removable panel provides access for media players and other support devices.

Note to installers

Due to the wide variety of wall structures, materials and mounting methods, these instructions assume that the installing contractor will exercise proper judgment in selecting the mounting area and hardware.

As a guide, the installation, when complete should be capable of supporting 5 to 10 times the actual applied load. Always use a back up safety system such as a safety cable.

To assure a trouble free installation, read through and follow these instructions carefully before beginning. If you have doubts about the integrity of the structure you are mounting to or you are not sure about the proper hardware to use, consult a structural and/or hardware specialist.

Follow these instructions for the most efficient and safest mounting results. Do not exceed the working load limit of 300 lbs /136 kg.and always install safety cables.

1 pc Upper fixture wall mount	1 pc Lower fixture wall mount
4 pc Locking Arm bracket	1 pc Joiner / link bracket
2 pc Media player mounting bracket	16 pcs M6 Adjustable VESA button (black)
6 pcs Philips flat head screw,	12 pcs Lag bolts, 5/16 x 1.5" long
M4 x 20mm long	
1 pcs Adjustment wrench	12 pcs Lag bolts, 5/16 x 1.5" long
12 pc Flat washer, 5/16"	1 pc Instruction sheet

Note: *Hardware for mounting fixtures to the structure is included*

Step 1: Install M6 Adjustable stand-off buttons to monitors
Thread four M6 Adjustable VESA buttons (black) into the VESA mounting holes in the back of each monitor *(Figure 1)*. Snugly tighten M6 VESA buttons.

Note: *If the pitch of the monitor needs to be adjusted, rotate the appropriate M6 adjustable VESA button counter-clockwise to pull the front of the monitor forward or rotate clockwise to push the front of the monitors back ward towards the wall using a adjustment wrench or a flat head screw driver.*

Step 2: Assemble locking arm bracket to Wall mount fixture (refer to assembly instruction guide).

Step 3: Scribe a horizontal line on the wall showing the exact location of where the bottom edge of the lower monitor will be. Measure up 3.96" (100.6mm) from that line and scribe another horizontal line showing where the bottom of the lower fixture wall mount will be *(Figure 2)*. Scribe a vertical line showing where the right side of the lower monitor will be. Measure to the left and scribe another vertical line 9.36" (237.7mm) from the monitor's right vertical line to locate the right edge of the lower wall fixture *(Figure 2)*.
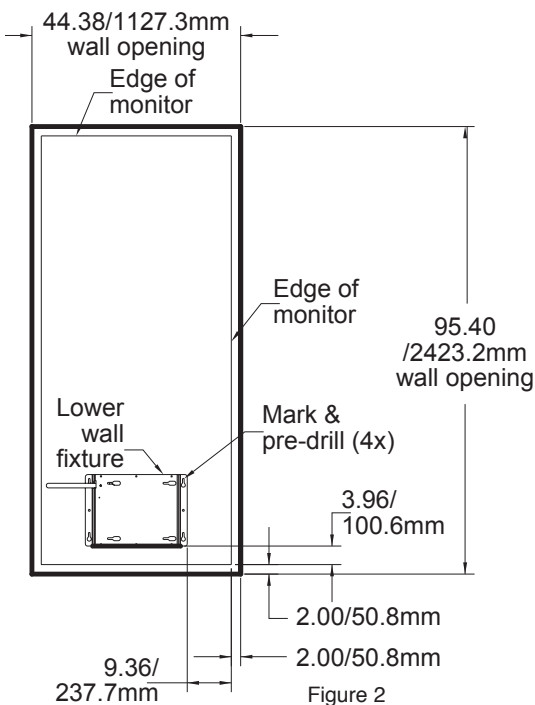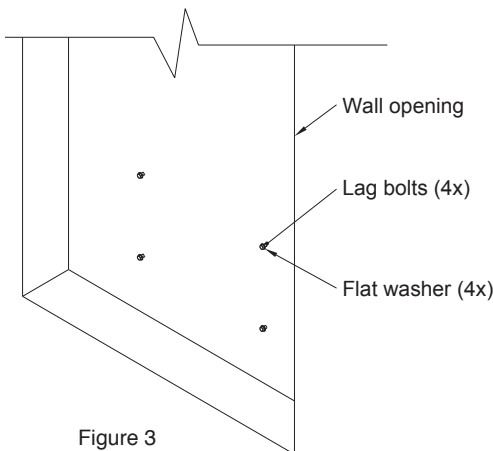

Figure 1

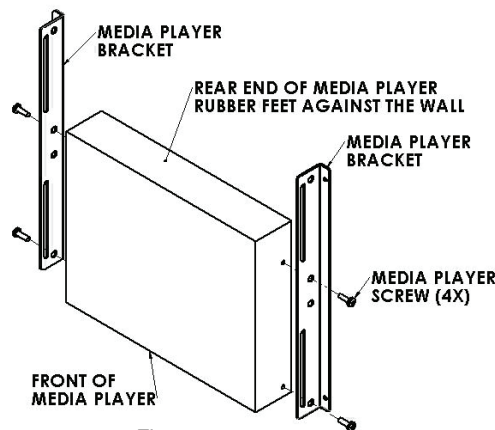M6 threaded stand-off buttons

1X4-X462-VWD

HoverTrack® Series 1X4 Video Wall Display

44.38/1127.3mm
wall opening

Edge of
monitor

Edge of
monitor

95.40
/2423.2mm
wall opening

Lower
wall
fixture

Mark &
pre-drill (4x)

3.96/
100.6mm

2.00/50.8mm

2.00/50.8mm

9.36/
237.7mm
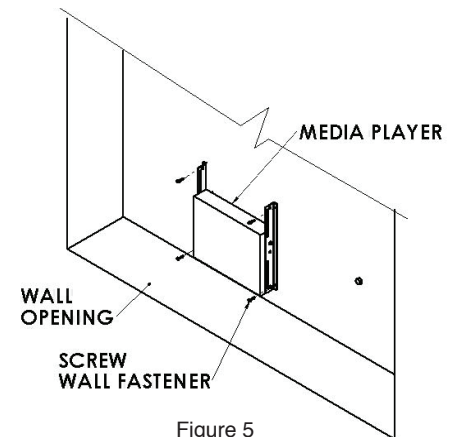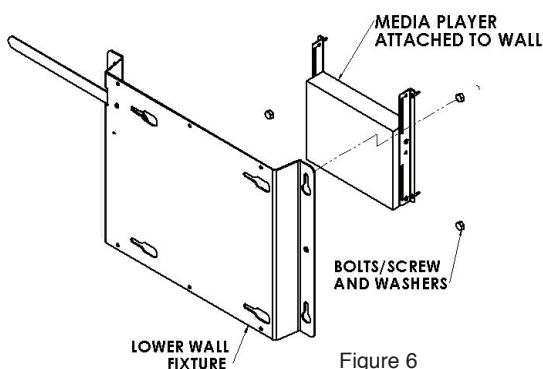
Figure 2

Using a level, place the lower wall mount fixture up to the horizontal and vertical mount's scribe lines. Use the wall frame as a template to mark the four mounting key-holes then pre-drill a 3/16" dia or 5mm dia hole. Loosely install lag bolts and washer, leaving at least ¼" (7mm) of the bolt's shaft exposed *(Figure 3)*.

Step 4: Install Media Player & Other Devices (Optional)
Attach the media player brackets to the sides of the media player using its existing side screws. The short side of the bracket must be on the same side as the media player's rubber feet *(Figure 4)*. Center the bottom of the device and aligned to the scribe horizontal line for the lower fixture wall mount then screw the media player's bracket into the wall making sure it is centered and will not interfere with the lower fixture wall mount *(Figure 5)*. Screws for mounting media player to wall are not included.

Step 5: Install Lower Fixture Wall Mount Assembly
Install lower fixture wall mount over the media player by aligning the large hole of the key-hole slot to the lag bolts then pull down to secure. Check level then tighten lag bolts permanently *(Figure 6)*.

Step 6: Attach Joiner Bracket
Align the joiner bracket's threaded lower holes to the top holes of the lower fixture wall mount. Secure together using the provided flat head M4 screws and making sure the nuts are facing the wall *(Figure 7)*.

Wall opening

Lag bolts (4x)

Flat washer (4x)

Figure 3

MEDIA PLAYER BRACKET

REAR END OF MEDIA PLAYER RUBBER FEET AGAINST THE WALL

MEDIA PLAYER BRACKET

MEDIA PLAYER SCREW (4X)

FRONT OF MEDIA PLAYER

Figure 4

MEDIA PLAYER

WALL OPENING

SCREW WALL FASTENER

Figure 5

MEDIA PLAYER ATTACHED TO WALL

BOLTS/SCREW AND WASHERS

LOWER WALL FIXTURE

Figure 6

Step 7: Install upper Wall Fixture Assembly (2 Person required)
Lift upper fixture wall mount against the wall then align the bottom holes of the upper wall fixture with the top threaded holes of the joiner bracket. Secure with the M4 flat head M4 screws. Tighten permanently (Figure 8). Mark the location of the lag bolts for the upper fixture wall mount then pre-drill mounting location. Secure the upper wall fixture to the wall using the key-hole slots and the two top holes with the provided lag bolts and flat washers *(Figure 8)*. Check level then tighten all lag bolts permanently.

Step 8: Set up wiring and cable locations along the video wall fixture.

Notes: *Holes on extension arm are 24", 21" and 18" from pole adapter.*

Step 9: Install Bottom Monitor
Connect power and signal wires to each monitor then, starting with the bottom monitor, align its four adjustable VESA buttons with the four large
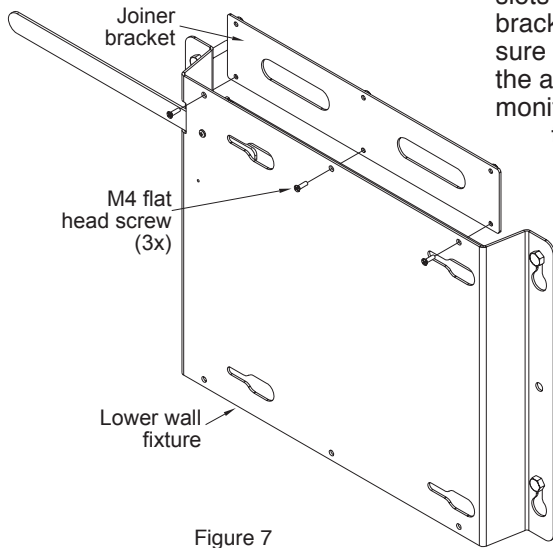
slots in the wall fixture mount. Slide the monitor from right to left until the locking bracket engages and locks *(Figure 9)*. Level the front of the monitor to make sure its plum. Adjust the appropriate adjustable VESA button if necessary using the adjustment wrench. If access to the rear of the monitor is limited, remove monitor and adjust buttons counter-clockwise using a flat head screw (or fingers) to the appropriate height needed. Re-place monitors back into the mount. Disengage and relock the locking arm is adjusted properly.

Step 10: Install 2nd monitor using the same process as step 9. Adjust 2nd monitor's adjustable VESA buttons to make the front flushed with the first (bottom) monitor. Repeat process for the 3rd and 4th monitors *(Figure 10)*.

Step 11: Check for front and side alignments of the LCD screens. The surfaces of all of the monitors should be flush with each other. If one or two screens are tilted more than the others, remove the monitor from the wall fixture about 5 " away, determine if the monitor needs to be tilted forward or backward then adjust the adjustable stand-off buttons using a flat head screw driver or fingers. Re-install the monitors and recheck the surface alignments. Repeat the process if necessary.
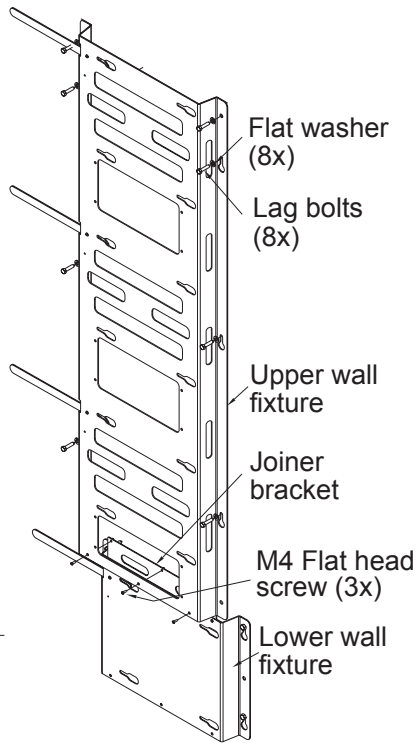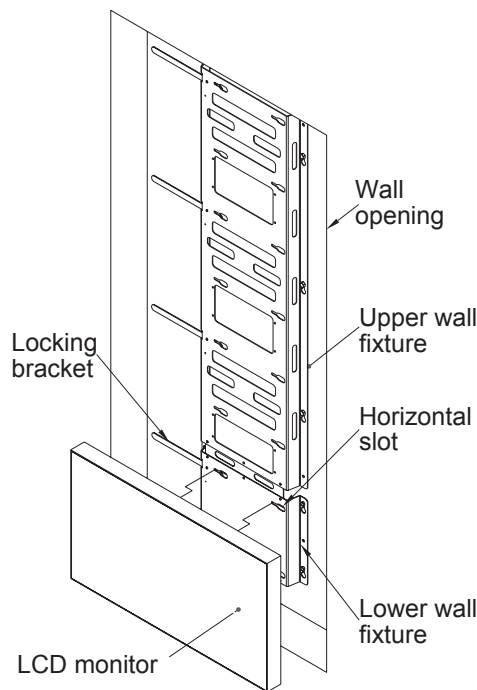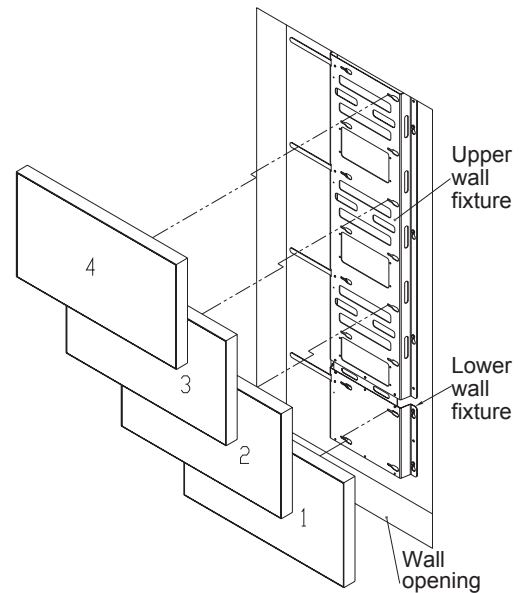

Figure 7

Figure 8

Figure 9

Figure 10

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ALWAYS INSTALL SAFETY CABLES

WARNING: Mounting and/or suspension loudspeakers requires experienced professionals. Improperly installed loudspeakers can result in property damage, personal injury and/or liability to the installing contractor.

HoverTrack® Series   VWD-1X1-X462
Assembly Instruction Guide

Important: Assembling video displays is a serious endeavor that requires experienced professionals. *Improperly assembled equipment can result in property damage, injury, death and/or liability to the installing contractor.* Do not proceed if any part of the installation is in doubt.

Follow these instructions for the most efficient and safest assembly results.

Package Contents:
1 pc   1X4-X462-VWD-B Single wall bracket
1 pc   1X4-X462-VWD-C Landscape locking bracket w/ kit (Long)
1 pc   1x1-X462-VWD-C Portrait locking arm bracket (short)
1 pcs   Extension Spring
1 pcs   Spring connector stud (already attached to bracket)
1 pcs   Nylon/friction washer, white
2 pcs   Nylon rivet (1 extra)

Step 1:
Check hardware to make sure it is complete to assemble the parts. Refer to package contents.

Step 2: **Assemble Locking Arm**
Decide video display is a landscape mode or portrait mode. For landscape mode use the longer lock arm bracket. *For portrait mode, use the short lock arm bracket*. Hook one end of the extension spring to the small hole on the locking arm bracket **(Figure 1).**

Step 3:
Insert the locking bracket with spring into the rectangular slot of the wall bracket with the open hook facing up. Align the hole of the locking arm with the hole on the wall bracket. Place a nylon/friction washer in between the locking arm and the wall bracket then secure with the provided M4x16mm long screw and M4 nylock nut. Make sure the head of the screw is on the outer side of the wall bracket **(Figure 2).**
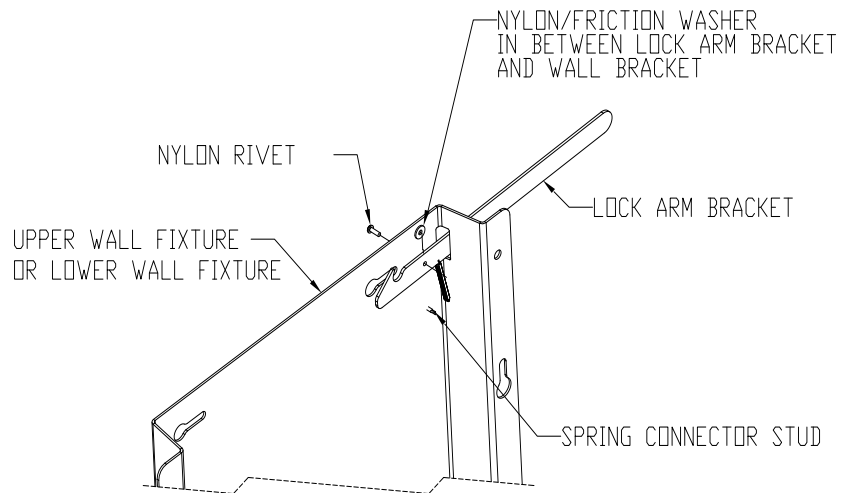
Step 4:
Connect the other end of the extension spring to the spring stud connector attached to the wall bracket (See main illustration).

Step 5:
Check that locking arm can pivot easily; loosen M4 screw and nut if it is too tight.

Step 6:
Refer to product Installation guide.

Figure 1