
INSTALLATION INSTRUCTIONS

Large Flat Panel Dual Arm Wall Mount, Model PNR™

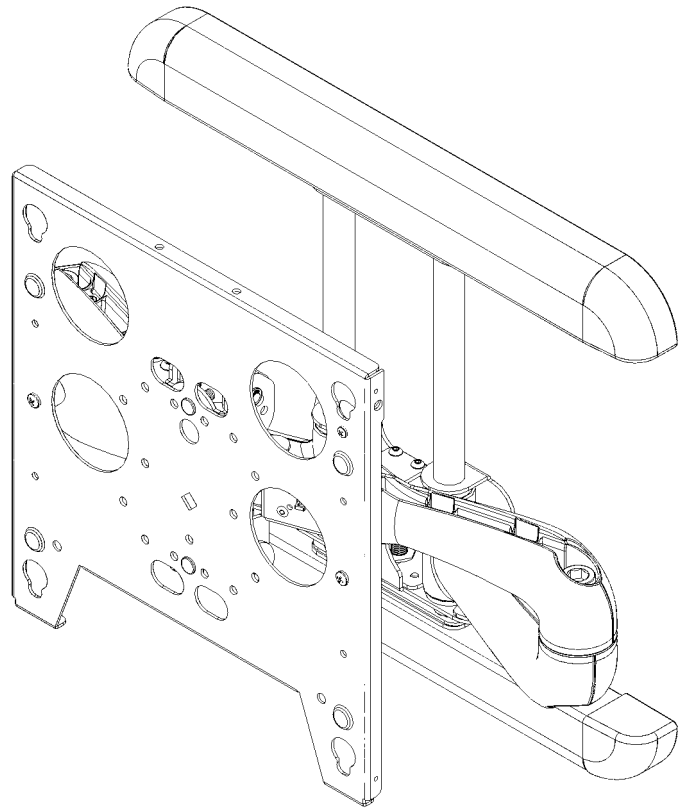
The PNR is wall-mounted, rugged, versatile, and installer-friendly. The PNR is compatible with the standard (14" x 14") PSB interface bracket in which a display can be mounted in either the landscape or portrait position on the PNR.

The dual arms on the PNR:

- Extend from the wall 24-7/8" in length
- Pivot up to 90° left or right of center

The standard PNR is shipped with the support posts for the dual arms centered in the mount. The support posts can be moved laterally right or left of center to readily accommodate sites with limited wall space. The mount also has two inches of height adjustment. The tilt range for the display is 5° up and 15° down.

The PNR was designed for fast installation. After drawing the plumb line and installing the two top lag bolts into the dual wall studs, the installer hangs the PNR on its top bracket and installs two lag bolts in the bottom bracket. Next, the installer makes the height adjustment, mounts the display, and connects the power/audio/video cables, which are diverted into the built-in path in the swing-out arms. After making the lateral, rotational, and tilt adjustments, the installation process is complete.



BEFORE YOU BEGIN

- **Caution:** To prevent damage to the PNR, which could affect or void the Factory warranty, and to the equipment that will be attached to it, thoroughly study all instructions and illustrations before you begin the installation. Pay particular attention to the "Important Warnings and Cautions" on Page 2.
- The combined weight of the components installed on the PNR must not exceed 200 lbs. (90.72kg).
- The PNR wall mount must be installed on dual wall studs or supporting framework. The wall to which the PNR is anchored must be capable of supporting **five times** the total weight of the mount and all attached equipment.
- If you have any questions about this installation, contact Chief Manufacturing at 1-800-582-6480.



CHIEF MANUFACTURING INC.
1-800-582-6480 952-894-6280 FAX 952-894-6918
8401 EAGLE CREEK PARKWAY, STE. 700
SAVAGE, MINNESOTA 55378 USA

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IMPORTANT WARNINGS AND CAUTIONS!

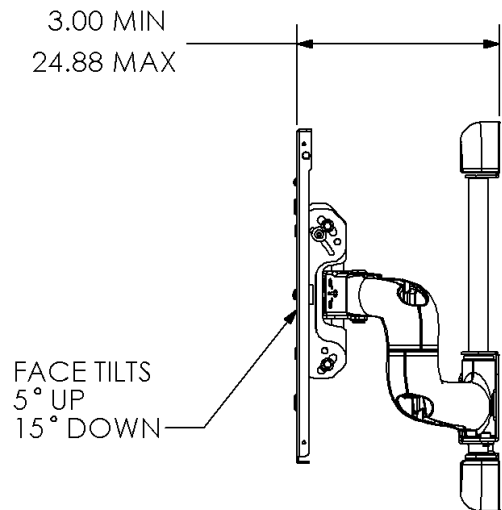
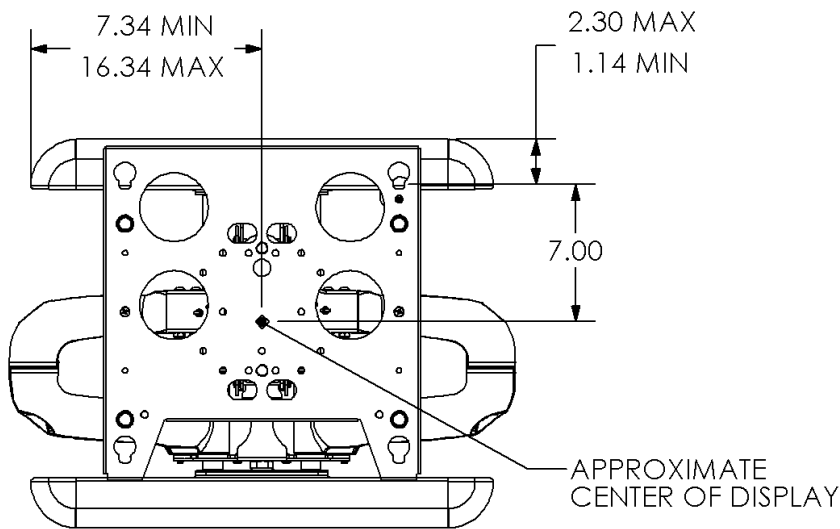
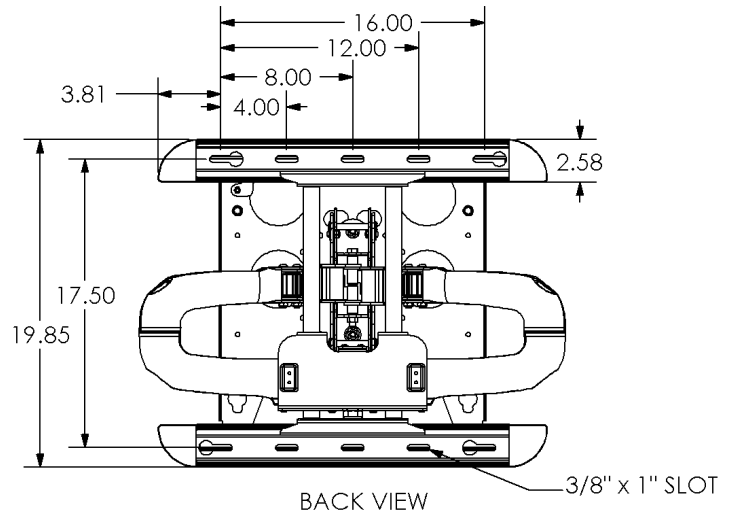
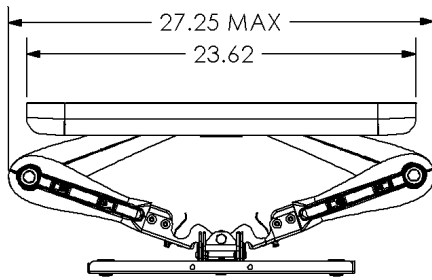
- WARNING:** A **WARNING** alerts you to the possibility of serious injury or death if you do not follow the instructions.
- CAUTION:** A **CAUTION** alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.
- **WARNING:** **Improper installation can result in serious personal injury! Make sure that the structural members can support a redundant weight factor *five times* the total weight of the equipment: if not, reinforce the structure before installing the PNR.**
 - **WARNING:** **Be aware also of the potential for personal injury or damage to the unit if it is not adequately mounted.**
 - **WARNING:** **The installer is responsible for verifying that the wall to which the PNR is anchored will safely support the combined load of all attached components or other equipment.**
 - **WARNING:** **The weight of the display placed on the PNR must not exceed 200 lbs. (90.72kg), the maximum load capacity of the PNR.**
 - **WARNING:** **Watch for pinch points. Do not put your fingers between movable parts.**
 - **WARNING:** **Make sure the mount and brackets are correctly oriented.**
 - **WARNING:** **Make sure the flag securing the display is completely lowered at all times *except* when removing or installing the display.**
 - **CAUTION:** Check the unit for shipping damage before you begin the installation.

NOTE: Hardware for attaching this unit to the wall is not supplied.

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DIMENSIONAL DRAWING



NOTE: CUSTOM INTERAFCE BRACKET NOT SHOWN. THE CUSTOM INTERFACE BRACKET NEEDED FOR YOUR DISPLAY WILL ADD BETWEEN 1/2" AND 2" IN DEPTH AND MAY AFFECT LOCATION OF DISPLAY ON THE MOUNT.

SEE PSB-XXXX DRAWING ALSO.

INSPECT THE UNIT BEFORE INSTALLING

WARNING: Watch for pinch points. Do not put your fingers between movable parts.

- Carefully inspect the PNR for shipping damage. If any damage is apparent, call your carrier claims agent and do not continue with the installation until the carrier has reviewed the damage.

NOTE: Read all instructions before starting installation.

- Lay out components to ensure you have all the required parts before proceeding. See “DIMENSIONAL DRAWING” on page 3.

PNR SPECIFICATIONS

Table 1 on page 4 provides the PNR specifications.

Table 1: PNR Specifications

Model	Max Support Weight	PNR Extended from Wall
PNR	200 lbs. (90.72kg)	24-7/8”*

*Dimension does not include the PSB interface bracket.

INTERFACES

Table 2 on page 4 provides the applicable PNR interfaces.

Table 2: PNR Interfaces

Model	Interfaces
PNR	14” x 14” Plasma Static Brackets (PSB)

TOOLS REQUIRED FOR INSTALLATION

- Allen wrench set
- Drill and bit set
- Wrench set

NOTE: Other tools may be required depending on the method of installation.

PARTS LIST

Unpack the carton and verify the contents listed in Table 3 on page 4. If you are missing any of the listed parts, contact Customer Service at: 1-800-582-6480.

Table 3: Parts List

REF	DESCRIPTION	QTY
10	PNR Wall Mount	1
20	Cover Plates	2
30	End Caps	4
40	Adjustment Wrench (not shown)	1
50	Tiewraps	12
—	Lag Bolts, 5/16” x 2 1/2” (required, not supplied)	4
—	Flat Washer, 5/16” (required, not supplied)	4

PNR INSTALLATION

WARNING: Improper installation can result in serious personal injury!

WARNING: It is the responsibility of the installer to verify that the wall to which the PNR is anchored will safely support *five times* the combined load of all attached components and equipment. If not, reinforce the structure before installing the PNR.

Locate two wood studs 16" apart on center

1. Determine the exact mounting location prior to installation, considering screen size and the unit's total swing arm radius. Keep in mind that the PNR must be mounted to wood studs that are 16" apart on center.

NOTE: Mount the PNR between parallel wall studs or other supporting framework that is vertical or horizontal.

2. Using a stud sensor, locate the two wood studs where you will mount the PNR.
3. Draw a level plumb line to indicate the desired height of the top mounting bracket.
4. With an assistant, lift and hold the PNR against wall. Use a pencil, awl, or small nail to mark the mounting holes where two pilot holes will be drilled into the center of the wood studs. Make sure the mounting holes are level.

5. With an assistant, lay the PNR down on the floor.
6. Drill two pilot holes using a 7/32" drill bit where the mounting holes were marked for anchoring the top bracket. See Figure 1.
7. Install two 5/16" x 2 1/2" lag bolts and two 5/16" flat washers, through PNR Top Bracket and into upper pilot holes.

NOTE: Lag bolts and flat washers are not supplied.

NOTE: Do not tighten the lag bolts down at this time. Leave enough space between the wall and lag bolts to hang the PNR.

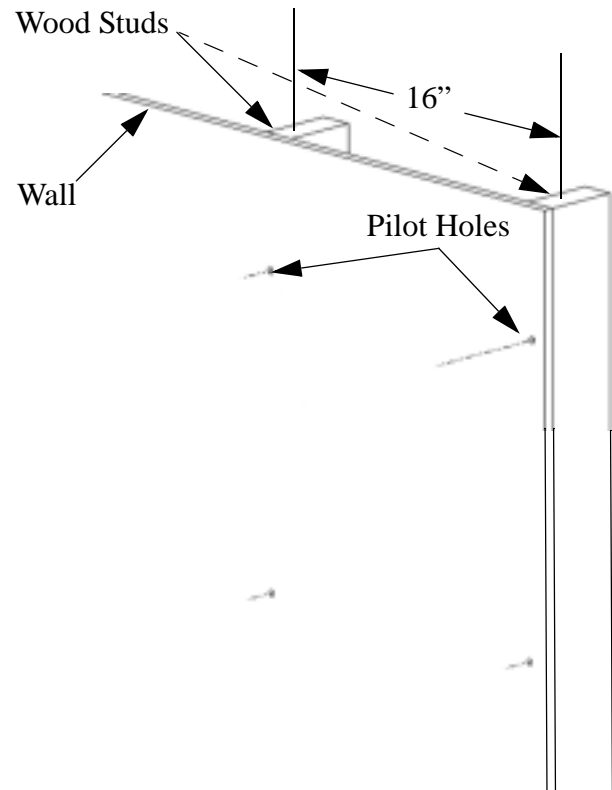


Figure 1. Two Wood Studs 16" Apart On Center

Mount the PNR

1. Mount the top bracket on the PNR, as follows:

WARNING: Improper installation can result in serious personal injury!

- a. With an assistant, lift and hang the PNR on the two lag bolts and washers previously installed on the wall. See Figure 2.

NOTE: Make sure washers are installed in front of the top bracket, not behind the bracket.

- b. Slide the PNR into the desired position on the wall and tighten the two lag bolts.

2. Mount the bottom bracket on the PNR, as follows:

- a. Mark the two mounting holes in the bottom mounting bracket (see Figure 3). Make sure to align the holes parallel to the holes drilled in the top bracket.
- b. Drill two pilot holes in the wall studs using a 7/32" drill bit.
- c. Install two 5/16" x 2 1/2" lag bolts and two 5/16" washers through PNR Bottom Bracket into the lower pilot holes.

NOTE: Lag bolts and flat washers are not supplied.

- d. Tighten all lag bolts.

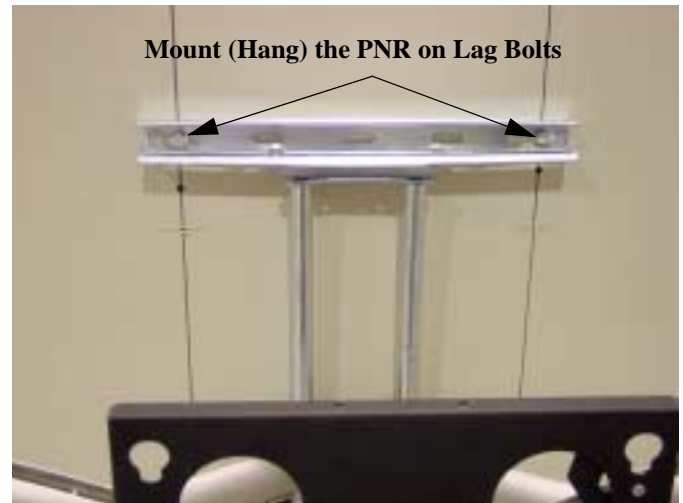


Figure 2. Mount PNR on Lag Bolts

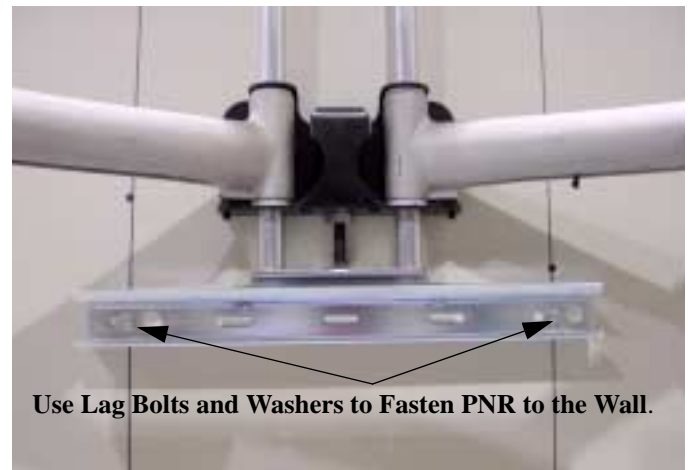


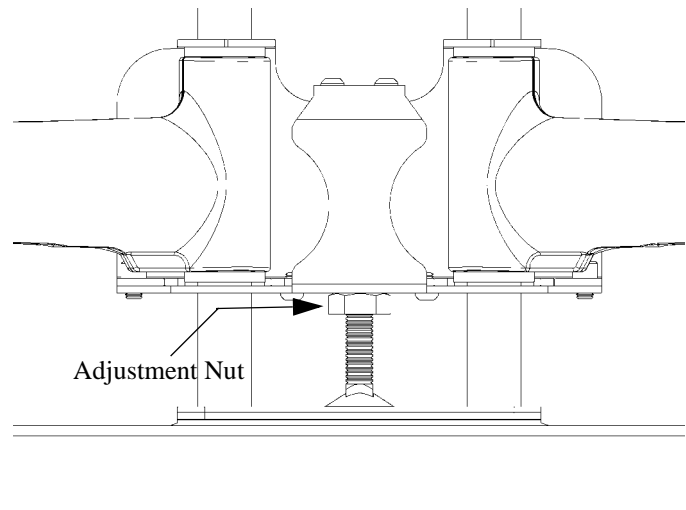
Figure 3. Mount Bottom Bracket on PNR

Adjust Height on the PNR

NOTE: Height adjustment range up to 2 inches.

To adjust the PNR height, do the following:

1. Check PNR for the desired height. If needed, use the adjustment wrench (40) to adjust the PNR height.
2. To adjust the PNR height, do the following:
 - Turn adjustment nut (see Figure 4) clockwise (CW) to lower the unit height, or
 - Turn adjustment nut counterclockwise (CCW) to raise the unit height.



- 1) Check PNR height.
- 2) To adjust height, turn adjustment screw, as follows:
 - CW lowers the unit
 - CCW raises the unit

Figure 4. Adjust Height

Install Cover Plates and End Caps

NOTE: The cover plates and end caps have pressure fitting ends that lock in place with each other.

1. Install cover plate (20) over the top bracket. See Figure 5.
2. Install end cap (30) on the cover plate (20). See Figure 5.
3. Repeat steps 1 and 2 for the bottom mounting bracket. See Figure 5.

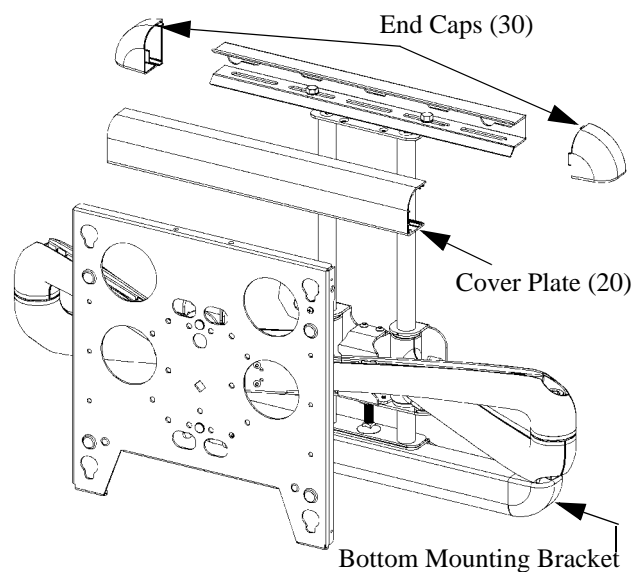


Figure 5. Install Cover Plates and End Caps

MOUNT THE DISPLAY

1. Make sure power is not supplied (turned off) to the display and the locking device is in the unlocked (down) position (see Figure 6) before attempting to mount the display.
2. Following the instructions for mounting the PSB interface bracket of your specific plasma display panel, install the mounting bracket on your plasma display panel.

WARNING: Watch for pinch points. Do not put your fingers between movable parts.

3. With an assistant, slide the display down over the PNR. Make sure buttons of PSB interface bracket fully engage all teardrop slots of the PNR.
4. Secure the mounting bracket to the PNR by completely engaging the locking device (see Figure 6).

WARNING: Make sure the locking device securing the display is completely engaged at all times except when removing or installing the display. The locking device must be completely engaged during installation/removal of cables when the display is mounted.

NOTE: A padlock may be used on the locking device for increased security.

5. Connect and secure power/audio/video cables, making sure to leave sufficient slack to allow for movement of the swing arms.

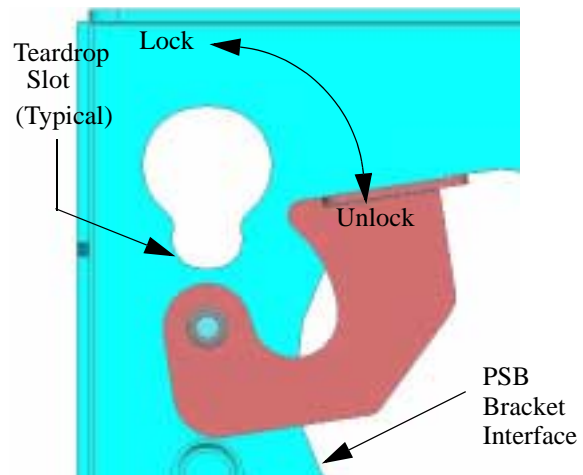


Figure 6. Locking Device

CABLE MANAGEMENT

WARNING: Make sure your cables do not run through a pinch point.

1. Route power/audio/video cables through the cable channel in top arm (see Figure 7), allowing sufficient slack in cables for extension and avoiding pinch points, and secure cables using two clips and two tiewraps (50, not shown).
2. Route power/audio/video cables along bottom arm (see Figure 8), using tiewraps (50, not shown) to secure cables to each arm, and through cable channel.

CAUTION: To prevent equipment damage, do not route cables through holes in the display mounting plate.

3. Route power/audio/video cables to an open area behind the mounting plate (not shown). Leave a sufficient amount of slack in cables to allow for connection and extension where needed.



Figure 7. Cable Management Channel (Top)



Figure 8. Cable Management Channel (Bottom)