INSTALLATION INSTRUCTIONS

MEDIUM FLAT PANEL DISPLAY TILT MOUNT
CH-SMTR

The CH-SMTR tilt mount accommodates medium flat panel displays weighing up to 125 lbs (56.70kgs).
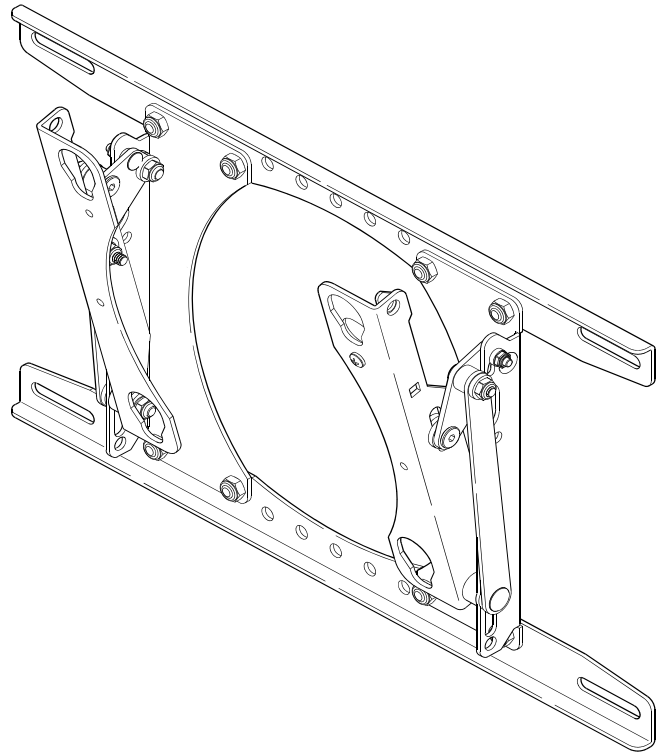
The teardrop holes in the mount allow for quick connect/disconnect of the display, thus simplifying installation and maintenance processes.

The top and bottom mounting brackets are adaptable to single wood stud mounting or dual wood studs that are 16" on center.

The display can be pulled and tilted into any position in the zero-to-15 degree tilt range and remain stationary. When fully retracted, the mount depth is 1.56 inches.

After installing the display on the mount, the screen can be locked in place using the convenient locking flag. A padlock can be used on the latching flag for added security.

The mount is concealed behind the display, making it a low profile wall mount.

CH-SMTR

BEFORE YOU BEGIN

- **CAUTION: To prevent damage to your monitor and CH-SMTR, which could affect or void the Factory warranty, thoroughly study all instructions and illustrations before you begin to install the mount. Pay particular attention to the Warnings and Cautions in this document.**

- The mount is designed to be installed using wall studs or supporting framework. The fasteners used to anchor the mount must be capable of supporting five times the total weight of the equipment.

- The maximum weight to be installed on the CH-SMTR tilt wall mount is 125 lbs (56.70kg).
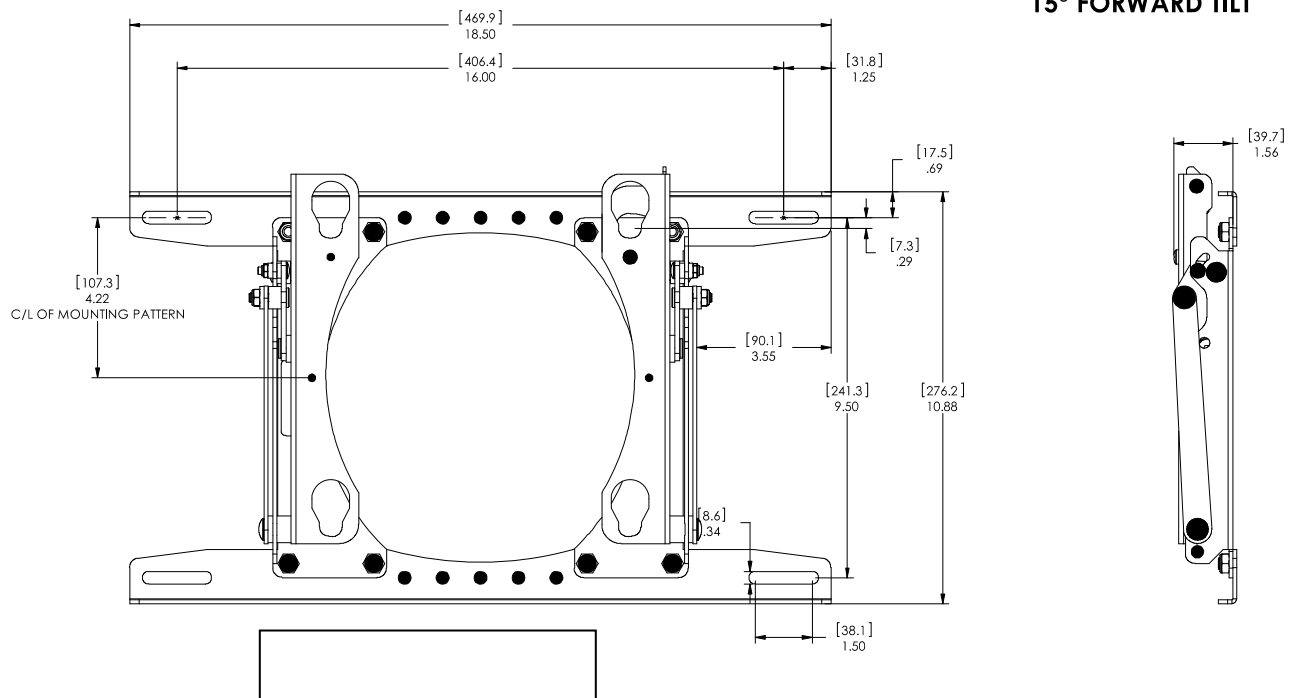
SONY.

⚠️ 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 CH-SMTR
• WARNING	Be aware of the potential for personal injury or damage to the equipment if it is not installed correctly. Consider the weight of the mount without the display.
• WARNING	The installer is responsible for verifying that the display to which the wall mount is fastened will safely support the combined load of all attached components or other equipment.
• WARNING	The combined weight of the display placed on the wall mount must not exceed 125 lbs (56.70 Kg), the maximum support weight of the CH-SMTR.
• WARNING	Watch for pinch points. Do not put your fingers between movable parts.
• WARNING	Make sure the flag securing the display is completely lowered at all times *except* when removing or installing the display. The flag must be all the way down when installing/removing cables.
• CAUTION	Check the unit for shipping damage before you begin the installation.

DIMENSIONAL DRAWING

15° FORWARD TILT

CONTENTS

TOOLS REQUIRED FOR INSTALLATION

- Drill and drill bit set

- Wrench set

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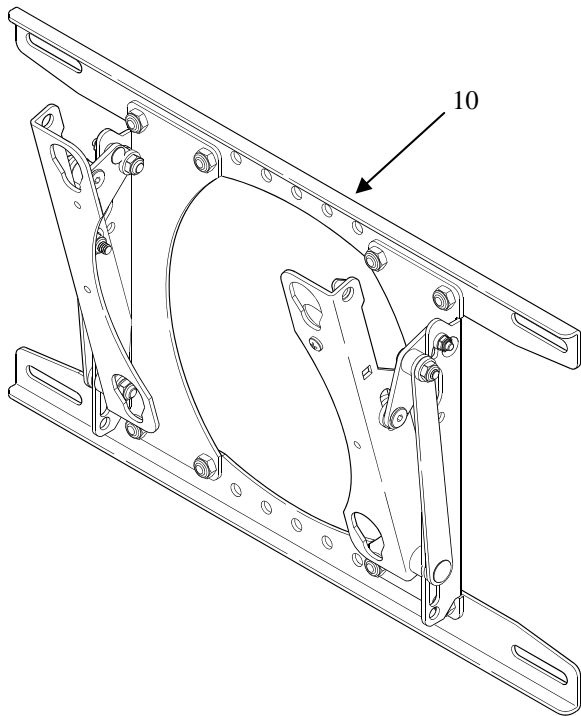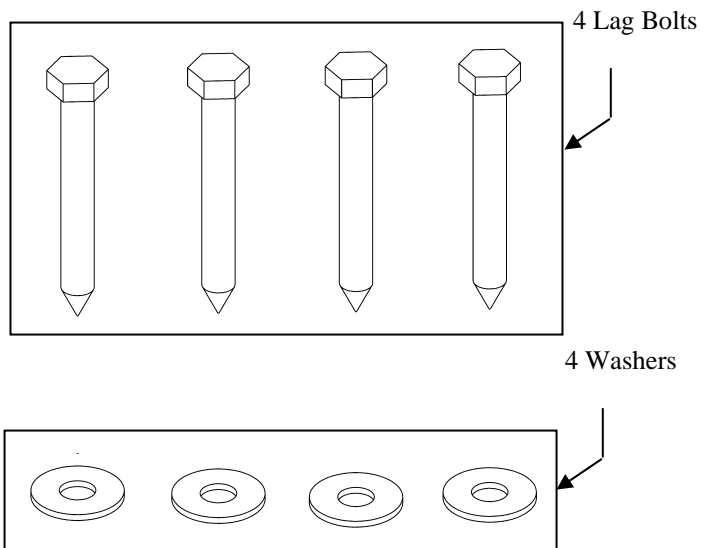

Figure 1. Parts

PARTS LIST

Prior to assembly, unpack the carton completely. Verify contents listed in Table 1 and Figure 1.

Read installation instructions completely. If you are missing any of the listed parts, contact Customer Service at: 1-800/582-6480.

Table 1. Parts List

REF	DESCRIPTION	QTY
10	CH-SMTR Tilt Mount	1
—	CH-SINTBR Interface bracket (with hardware)	1
—	Lag Bolts	4
—	Flat Washers	4

4 Lag Bolts

4 Washers

PARTS LIST (cont'd)

Display Size	Sony Model #
32"	FWD-32LX2
32"	KLH-W32U
32"	KDL-32N4000
32"	KDL-32NL140
32"	KDL-32M4000
37"	KDL-37N4000
37"	KDL-37NL140
37"	KDL-37M4000
40"	KLH-40X1
40"	FWD-40LX2
40"	FWD-40PX2
40"	KDL-40SL140
42"	FWD-42PV1
42"	FWD-42PX2
42"	FHD-S42H1
46"	KDL-46SL140
47"	FHD-S47H1
50"	FWD-50PX1
50"	FWD-50PX2
50"	FWD-50PX3

- The display models listed above are compatible with the CH-SMTR.

IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display! Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

CH-SMTR INSTALLATION

Perform the following procedures to mount CH-SMTR.

Select Mounting Location

To select the mounting location, do the following:

WARNING: **It is the responsibility of the installer to verify that the wall to which the mount is anchored will safely support the combined load of all attached components and equipment.**

1. Determine the exact mounting location to install the wall mount prior to installation, keeping in mind the screen size.

NOTE: Mount the CH-SMTR on dual wall studs or some other equivalent supporting framework that is vertical or horizontal.

2. Using a stud sensor, locate the wood stud(s) where you will mount the CH-SMTR, as follows:

   - Refer to Figure 2 for single wood stud mounting.

   ## OR

   - Refer to Figure 3 for dual wood stud mounting, wood studs that are 16"apart on center.

3. Draw a level plumb line to indicate the desired height of the mount.

4. Holding the CH-SMTR against the wall, select the mounting holes that best suits your situation (see Figure 4 on page 6).

NOTE: For dual wood stud mounting, the holes are slotted to allow for lateral movement. The mount can be centered, or shifted to the left of center, or right of center depending on stud location.

5. Mark the mounting holes you selected in Step 4. Make sure the mounting holes are square and straight.

6. Lay the CH-SMTR down on the floor.

7. Drill the pilot holes into the center of the wood stud(s) at the locations marked in Step 5 using the correct drill bit.
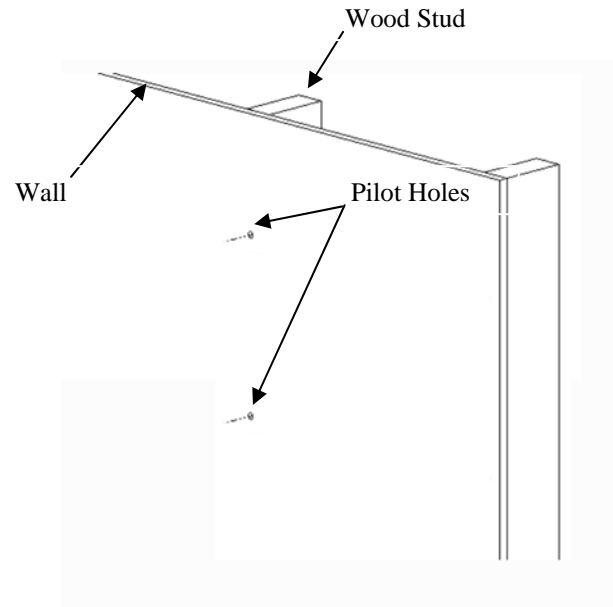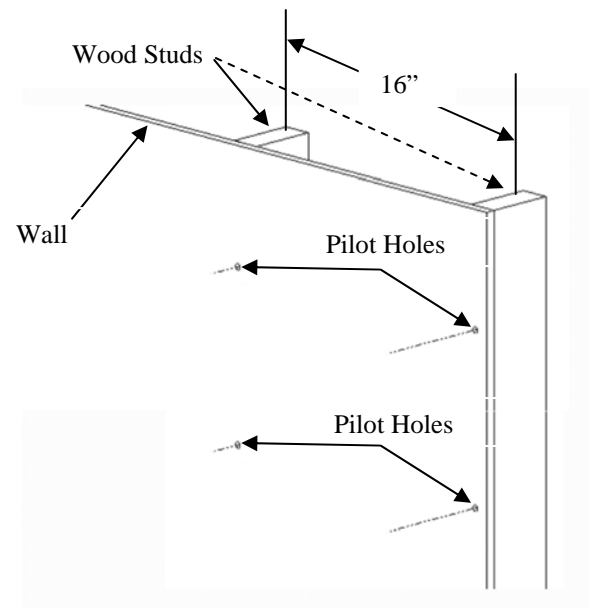

Figure 2. Drill Single Stud Pilot Holes

Figure 3. Drill Dual Stud Pilot Holes

CH-SMTR INSTALLATION *(Cont'd)*

Mount the CH-SMTR

To mount the CH-SMTR, do the following:

NOTE: The lag bolts provided must be driven into the support wall studs or other supporting framework.

1. Place CH-SMTR against the wall. Align the mount with the pilot holes drilled in the preceding procedure (see Figure 4).

2. Install the lag bolts and washers into the pilot holes previously drilled, as described below.

   • Install two lag bolts and two washers for single wood stud mounting.

   ## OR

   • Install four lag bolts and four washers into the slotted holes for dual wood stud mounting.

3. Tighten the lag bolts.

Slotted mounting holes for dual wood studs
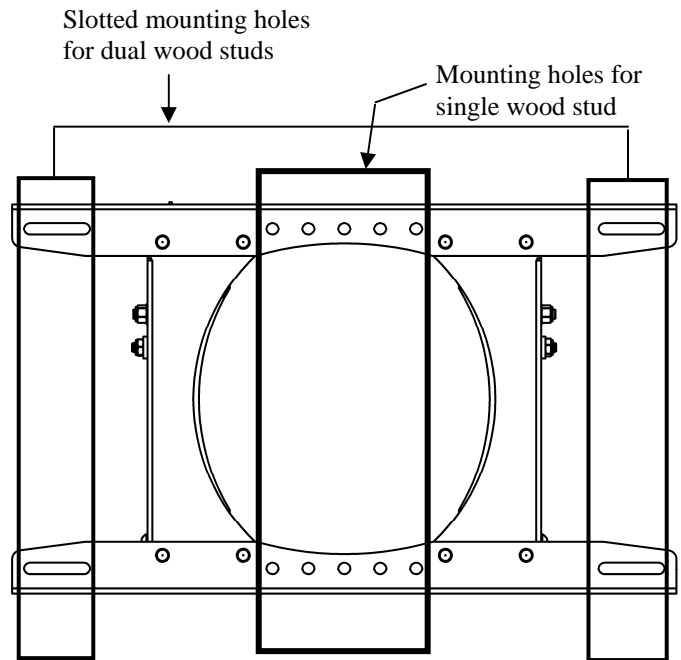
Mounting holes for single wood stud

Figure 4. Mounting Holes

ATTACH INTERFACE BRACKET

- Attach CH-SINTBR interface bracket to the display following instructions included with the bracket.

INSTALL THE DISPLAY

To install the display, do the following:

NOTE: Verify that all power/audio/video cables are disconnected from the display and the latching flag is lowered in the down position before attempting to mount the display.

1. With the aid of another person, lift the display up to the mount (10) on the wall, aligning mounting buttons on the CH-SINTBR with the teardrop slots on the mount, and lower the display firmly into place (see Figure 5).

2. Raise the latching flag (2 places) to secure the display (see Figure 6). If the flag does not fully engage, check to ensure the mounting buttons are fully seated in the slots.

NOTE: A padlock may be installed through the hole in the latching flag for additional security.
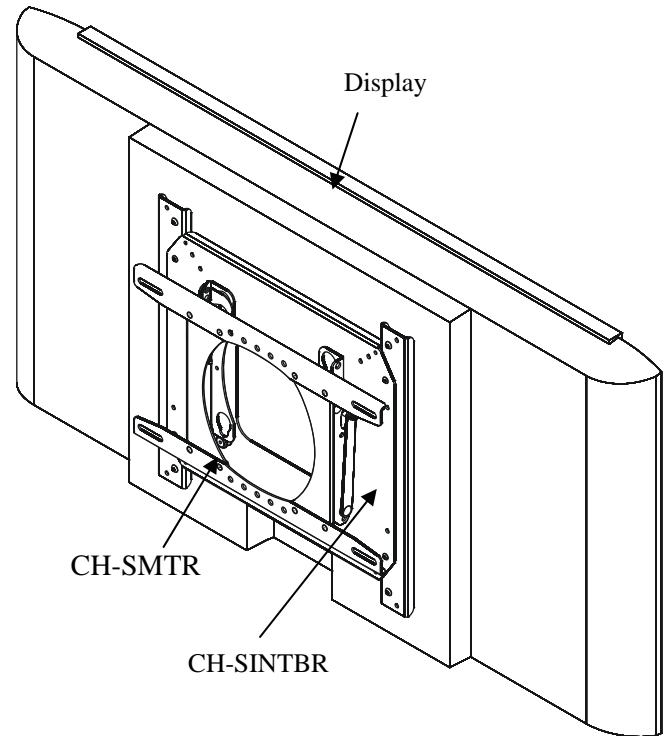

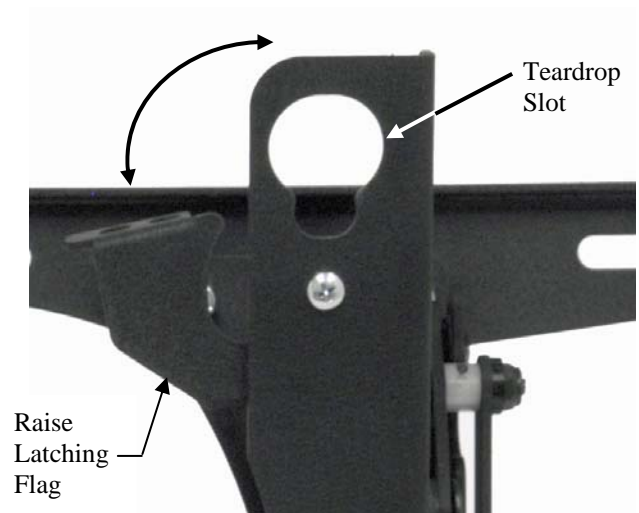**Figure 5. Mount Plasma Tilt Bracket to Wall**

Figure 6. Raise Latching Flag to Lock

7

TILT ADJUSTMENT

To tilt the display 0° to 15° down, do the following:

1. Manually tilt the display 0° to 15° down into the desired position.

2. If desired, tighten the nut (see Figure **7**) using a 3/8" wrench to increase the amount of tension needed to hold the mount in the position set in Step **1.**

NOTE: Tighten the nuts only to adjust the amount of tension needed to manually tilt and hold the mount in place. Do not over-tighten the nuts. Over-tightening the nuts may cause excessive wear and may damage your mount.

3. Repeat Steps 1 and 2 until the desired tension is obtained.

REMOVE THE DISPLAY

To remove the display from the mount, do the following:

1. Disconnect all power/audio/video cables.

2. Lower the latching flag to unlock the display (refer to Figure 6).

3. With the aid of another person, lift the display up and out of the teardrop slots in the mount to remove the display.

15°   0°
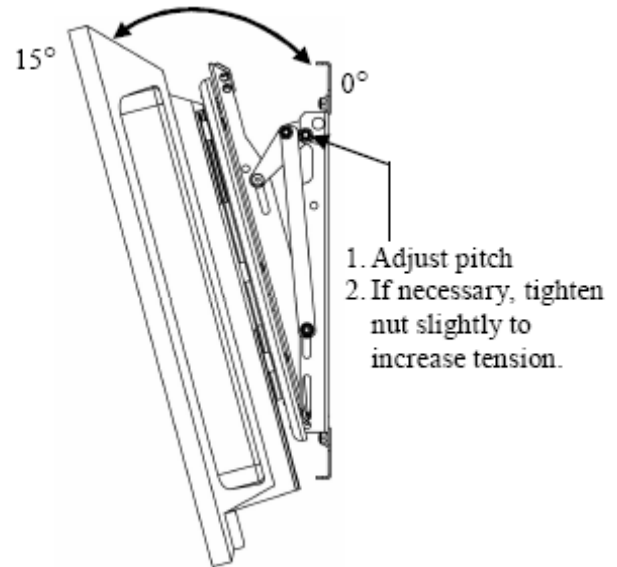
1. Adjust pitch
2. If necessary, tighten nut slightly to increase tension.

Figure 7. Tilt Adjustment