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## TELEMOUNT ATTACHMENT TO A SINGLE STUD

### ATTACHING ARM/WALL PLATE TO A SINGLE WOOD STUD THROUGH DRYWALL For TV monitors less than 66 lb (30 kg)

#### TOOLS REQUIRED:

1. claw hammer
2. No. 4 nail
3. carpenter's spirit (bubble ) level
4. electric hand drill and screw gun
5. 3/16 inch diameter drill
6. 3/8 inch hex socket for screw gun
7. pencil
8. electronic stud finder

FASTENERS REQUIRED: (supplied with bracket)  
(3) No. 1/4x3 hex washer head sheet metal screws

#### STEP 1. FINDING THE WALL STUD

Thump the wall with your knuckle or use an electronic stud finder to generally locate the 1-1/2 inch wide vertical stud behind the wallboard.

#### STEP 2. LOCATE THE CENTER OF THE STUD

Drive the No. 4 finishing nail where you believe the stud to be at the level you plan to attach the arm assembly to the wall. If you fail to strike the stud repeat the first step. When you strike the stud remove the nail with the claw hammer and drive it 1/2 inch to the left and again 1/2 inch to the right of the first hole. If all three holes strike the stud then regard the center hole as the center of the stud. If one of the holes misses the stud then regard the hole on the opposite side to be the center of the stud.

#### STEP 3. DRILL THE FIRST HOLE

Hold the aluminum wall plate vertically against the wall centered on the stud and drill through the top hole using the 3/16 inch diameter drill.

#### STEP 4. ATTACH THE ALUMINUM WALL PLATE/ARM ASSEMBLY TO THE WOOD STUD

Insert one of the three No. 1/4x3 hex washer head tapping screws through the upper hole in the aluminum wall plate and into the drilled hole. Drive the screw in tightly using an electric drill or screw gun and a 3/8 inch hex socket driver. Hold the carpenter's spirit level against the side of the wall plate and vertically align it. Drill the remaining three holes as above, and tighten the screws.

**NOTICE:** If you feel that you are not competent to perform the above tasks and safely attach the wall plate/arm assembly to the wall, we recommend that you find competent assistance. When all of the tools are on hand it takes only a short time for a competent workman to perform the above tasks. Therefore, it should not be very expensive to hire the work done by skilled labor if necessary. In either event, Westbrook Engineering, Inc. does not accept responsibility for the safety or performance of the installation, as it is not under direct control of the company.

**CAUTION** 1/4x3 inch HWH SMS tapping screws are for fastening the Telemount wall plate to wood blocking or to wood studs. Phillips flat head sheet metal screws may be substituted. Holes in aluminum wall plate may be countersunk 82 degrees for this purpose. Attachment of the arm/wall plate assembly to a wall is critical. The work should be performed by experienced workmen. The instructions are intended as a helpful guide only. The installation is the responsibility of the installer. Westbrook Engineering, Inc. cannot be responsible for the installation.

### ATTACHING ARM/WALL PLATE TO A SINGLE STEEL STUD THROUGH DRYWALL

Thin 25 Gauge and 20 Gauge steel stud drywall covered walls require 1/4 inch spring wing toggles or 1/4 inch Hilti toggler bolts to fasten the wall plate to the wall. A backing plate, Part No. BPTL can be fastened to two 20 Gauge or heavier studs with drywall fine-thread screws for steel.

#### TOOLS REQUIRED:

1. claw hammer
2. No. 4 nail
3. carpenter's spirit (bubble) level
4. electric hand drill and screw gun
5. 11/16 inch dia. "Speedbore" spade drill toggles
6. 1/2 inch dia. "Speed bore" spade drill, Hilti Toggles
7. large screwdriver with 3/8 inch wide blade
8. electronic stud finder

FASTENERS REQUIRED: (not supplied with bracket)  
1/4 inch-20 spring wing toggles or Hilti Toggles  
1/4 inch-20x3 pan head or round head machine screws

#### STEP 1. FINDING THE METAL STUD

Find the metal stud at the level you wish to attach the aluminum wall plate by using a magnetic or electronic stud finder or a No. 4 finishing nail as described in steps 1 and 2 of "ATTACHING ARM/WALL PLATE TO A SINGLE WOOD STUD THROUGH DRYWALL".

#### STEP 2. MARKING HOLE CENTERS

Draw a vertical pencil line exactly over the center of the stud and 10 inches long at the level you want the arm/wall plate to be located. Draw three horizontal pencil lines across the vertical line at exactly 4 1/4 inch centers.

#### STEP 3. DRILLING THE HOLES

For 1/4 inch spring wing toggles drill each hole using an 11/16 inch diameter Speedbore spade drill. This drill must be sharp. 1/4 inch Hilti Toggler bolts require 1/2 inch diameter holes. Three fasteners are required in the 5 inch x 10 inch wall plate.

#### STEP 4. ATTACHING THE ALUMINUM ARM/WALL PLATE TO STEEL STUDS

Spring wing toggles with 3 inch long 1/4 inch diameter pan or round head screws may be used. Put a screw through each of the holes in the plate. Screw the spring wing on to the protruding end of the screw two turns. Push each spring wing through the holes drilled through the wall cover and steel stud. Tighten the screws. Caution: toggles can be ruined by over tightening. Be aware that toggles are suitable only for lightweight (less than 66 pounds) installations in areas not subject to earthquakes.

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**SEE DIAGRAM PAGE 9**

**FOR TELEMOUNT MODELS TEL13 TEL16 OR TEL20 MAXIMUM LOAD 30Kg (66LB)**

**FOR NON-COMPLIANCE INSTALLATIONS LESS THAN 30Kg (66LB)  
TELEMOUNT 13, 16 OR 20 MAY BE FASTENED TO A SINGLE 2X4 WOOD OR STEEL STUD**

**SEE "TELEMOUNT WALL AND TRAY INSTALLATION DIAGRAM" PAGE 9  
SEE "RESTRAINING STRAP INSTRUCTIONS" PAGE 12  
SEE "LIFTING TV/MONITOR ONTO THE INSTALLED TRAY SAFELY" PAGE 10**

#### ATTACHING ARM/WALL PLATE TO MASONRY WALLS

Cast concrete, concrete block, hollow tile, or brick require other fasteners. Fasteners must be installed according to the fastener manufacturer's instructions. Carbide bits and hammer drills are required for this purpose, and the machinery and technique used must produce holes of accurate diameter and depth.

For specific instructions and fastener recommendations write to ITT Phillips Drill Division, P.O. Box 364, Michigan City, Indiana 46360. Telephone (219) 874-4217 and request a list of suppliers in your area, or to Hilti Inc., Fastening Systems, Box 45400, Tulsa, Oklahoma 74147, Telephone (918) 627-9711. The installation should be done by qualified personnel. Westbrook Engineering, Inc. does not accept responsibility for any installation, nor for damage or injury arising from the installation, as the installation is not performed or controlled by the company.