



# INSTALLATION MANUAL

**CT-PLB-WA6**

**Articulating Flat Panel Wall Mount**

## PACKAGE CONTENTS

This package contains:

One CT-PLB-WA6 Wall Mount  
Installation Hardware  
Installation Manual

## PRODUCT DESCRIPTION

This product is designed to mount flat panel televisions weighing up to 165lbs/75kgs to a vertical wall. It allows you to effortlessly tilt your new television up or down without using tools.

**Safety Warning:** Be careful to make sure there are no missing or defective parts. Never use defective parts. Improper installation may cause damage or serious injury. The included hardware is for mounting on walls with wood stud construction. If you are uncertain about the nature of your wall, consult an expert. Please consult your hardware or installation professional for proper mounting to other types or walls. The supplied hardware is not for steel.

# INSTALLATION

## NOTE TO INSTALLER

**Warning:** The installer of this product must verify that the mounting surface will safely support the combined weight of all attached equipment and hardware. The included hardware is for mounting on walls with wood stud, brick, solid concrete, and concrete block construction for a secure, stable, and reliable mounting. If you are uncertain about the nature of your wall, consult an expert. Please consult your hardware or installation professional for proper mounting to other types or walls. The supplied hardware is not for steel. North American Cable Equipment, Inc. will not be held liable for the improper use or installation of this product.

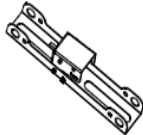
### 1. UNPACKING and HANDLING

Each unit is shipped with all necessary mounting hardware.

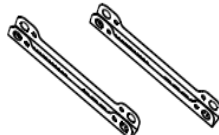
Ensure that all accessories are removed from the container before discarding packing material



a: Wall Plate (1)



b: Arm Assembly (1)



c: Monitor Brackets(2)



d: 1\"/>



e: 1/4x2.5\"/>



f: Concrete Anchor (6)



g: M6 Safety Bolt (6)



h: M8 Machine Screw  
(4 short and 4 long) (8)



i: M6 Machine Screw  
(4 short and 4 long) (8)



j: M5 Machine Screw  
(4 short and 4 long) (8)



k: M4 Machine Screw  
(4 short and 4 long) (8)



l: Lag Bolt Washer(10)



m: M4/M5 Washer (12)



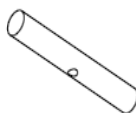
n: Plastic Spacer (4 )



o: Plastic Spacer (4 )



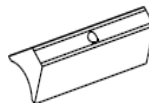
p: Axle Pin (short) (4)



q : Axle Pin (long) (2)



r : Vise Assembly (small) (4)



s : Vise Assembly (big) (2)



t: Allen Key(1)



u: M8 Allen screw(1)

## 2. MECHANICAL INSPECTION

Inspect the product for shipping damage. Make sure the equipment is clean and damage free. If equipment appears to be damaged or defective please contact us at 1-610-429-1511 for assistance.

## 3. INSTALLATION

- a. Predetermine the best possible viewing location for the monitor.
- b. For Brick, Solid Concrete, and Concrete Block Mounting:

Use the Wall Plate (a) as a template to mark 6 hole locations on the wall. Three in the top row of slots and three more in the bottom row. Make sure these holes are level and there is at least 150mm/5.9 inches between any two holes. Pre-Drill these holes with a 10mm/0.39 inch masonry bit to at least 60mm/2.36 in depth. Insert a Concrete Anchor (f) into each of these holes. Pre-Drill these holes so they are 5mm/2 inches flush with the concrete surface even if there is a layer of drywall or other material in front. Attach the Wall Plate to the wall using 6 Lag bolts (e) and 6 M4 / M5 washers (m).

**WARNING :Tighten Lag Bolts (e) only until Lag Bolt Washer (l) is pulled firmly against the Wall Plate (a). DO NOT OVERTIGHTEN THE BOLTS!**

- c. For Wood Stud Mounting:

The Wall Plate (a) **MUST to be mounted to two wood studs**. Use a high quality stud sensor to locate two adjacent studs. It is a good idea to verify where the studs are located with an awl or thin nail shown in diagram 1-A. Pre-drill a 3mm/0.13 inch deep hole at the desired height in each stud using a 4mm/0.16 inch drill bit. Make sure these holes are in the center area of the studs and level with each other, Use the Wall Plate as a template to mark the location of the second hole in each stud. Pre-drill these two holes using the 4mm/0.16 inch drill bit as well. Attach the Wall Plate to the wall using for the four Lag Bolts (e). Make sure the Wall Plate is oriented so the flat surface in the center of the plate in against the wall shown in diagram 1-B.

Diagram 1-A

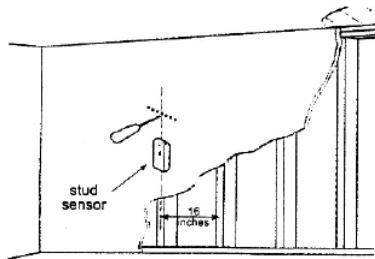
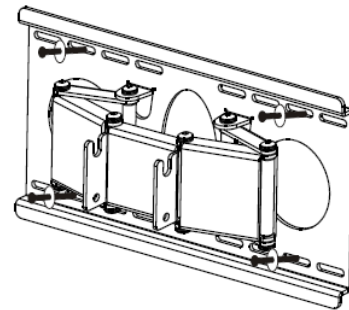


Diagram 1-B



d. Assemble the Monitor Bracket:

As shown in Diagram 2, place two 1" Diameter Tubes (d) through Arm Assembly (b) and Monitor Bracket (c) ... be sure to get the section of TV Rail with the round hole upward and the one with slot downward. Next using Diagram 3-A, place Vise Assembly (small) (r) onto Monitor Bracket (c)/TV Rail (c). Place Axle Pin (short) (p) through the round hole on Monitor Brackets and fit the arc face tightly against Diameter Tube (d). As shown in Diagram 3-B, place the M6 Safety Bolt (g) through Axle Pin (p) and screw in Vise Assembly (r). The assembled Monitor Bracket is shown in Diagram 3-C. Note: Do not tighten the screw first at this time so as to let monitor brackets smoothly slide on Diameter Tube.

**Warning:** The Diameter Tubes must extend beyond the outside edges of both Monitor Brackets and the Safety Bolts (g) in all 6 Vise Assemblies must be tightened for the installation to be safe.

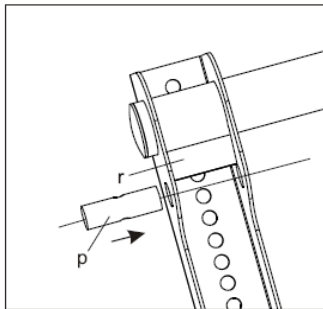
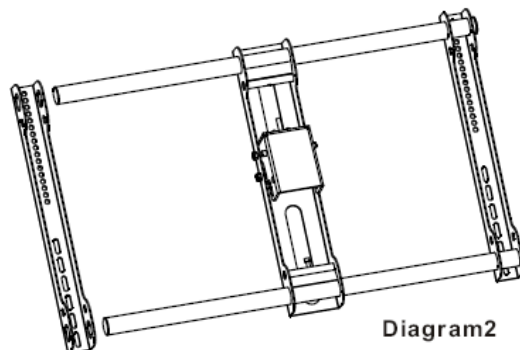


Diagram3-A

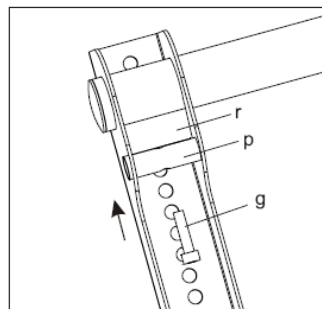


Diagram3-B

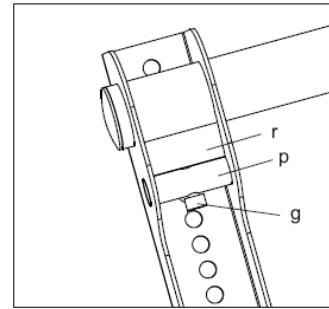


Diagram3-C

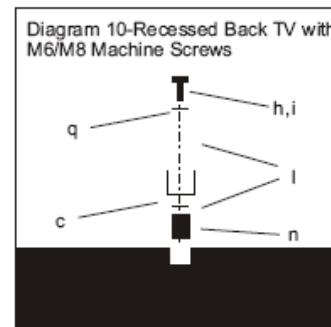
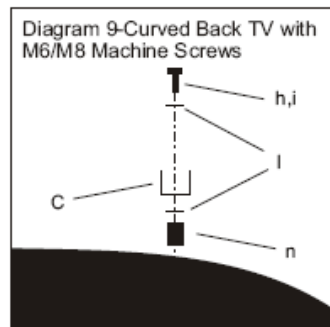
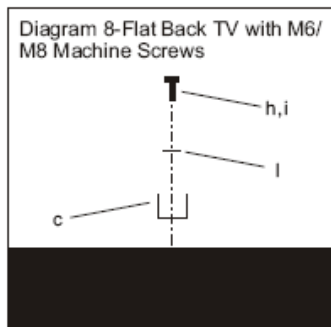
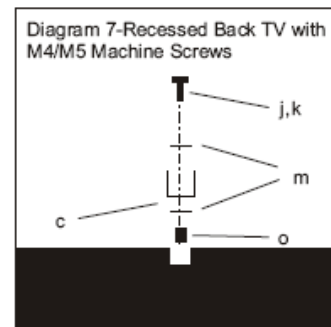
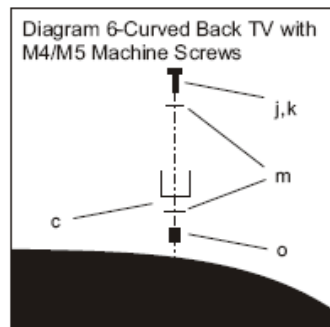
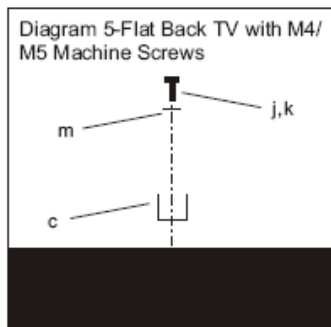
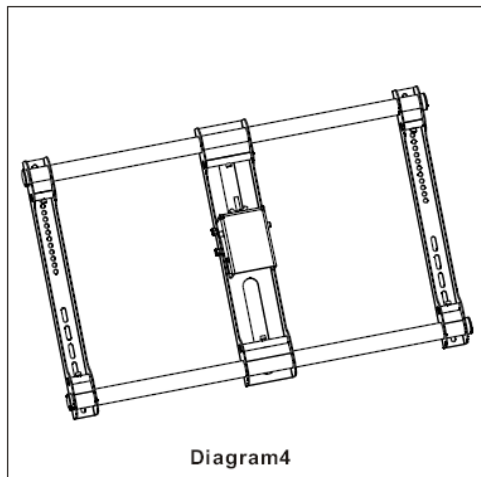
e. Attach the Monitor Bracket to the Television:

First, select the television mounting hardware: Locate the threaded inserts on the back of your flat panel television. Determine which of the provided bolts is the correct diameter. **Always make sure the television is unplugged before threading any bolt into the back panel**, Two lengths in each of the following diameter are provided: M4 (k), M5 (j), M6 (i), and M8 (h). The shorter bolts are to be used if the back your television is flat. The longer bolts are designed to be used with either the M4/M5 Spacer (o) or the M6/M8 Spacer (n) on televisions with curved or recessed backs. The long bolts are only to be used without a spacer in rare cases when the threaded inserts are deeply recessed inside the frame of the television.

Diagram 4 shows the orientation of the monitor brackets on the back of the television. Each Monitor Bracket (c) must be held in place by 2 bolts. Make sure both monitor brackets are level with each other by selecting the same hole in the bottom half of each bracket and adjust the arm assembly in the center of the TV. If you determined that your television requires either the M4 (k) or M5 (j) diameter bolts look at the Diagrams 5 through 7 and select the one that best represents the shape of the back of your television and the arm assembly in the center of the back of TV. If you determined that your television requires either the M6 (l) or M8 (h) diameter bolts, look at Diagrams 8 through 10 and select the one that best represents the shape of the back of your television.

**WARNING: Do not lay the television face down on the glass as this may cause permanent damage. Lean it up against a wall or other solid surface.**

**WARNING: Thread bolts carefully into the television by hand before tightening. If you feel resistance, remove the screws immediately.**



- f. Hang the TV onto the Wall Plate:

After the Monitor Bracket is mounted on the TV, lift the TV with its back to the Wall Plate and hang it on the Wall Plate as shown in Diagram 11. For large TVs two persons may be required. After the TV is securely hung on the Wall Plate tighten the Allen Screw (u) into the screw hole on the Arm Assembly (b) as shown in Diagram 12. This will join the Arm Assembly and Wall Plate together.

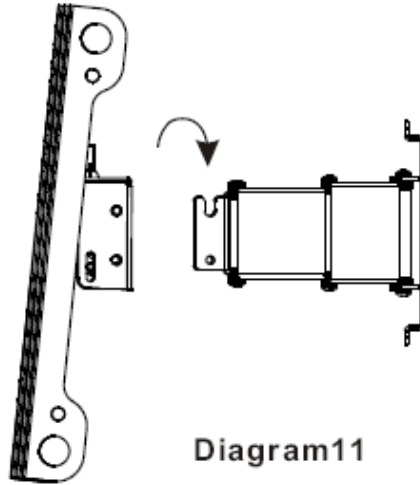


Diagram11

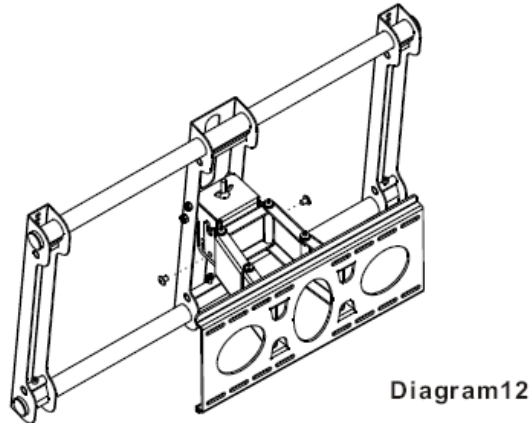


Diagram12

- g. For assistance contact Cabletronix sales engineers at 1-610-429-1511.