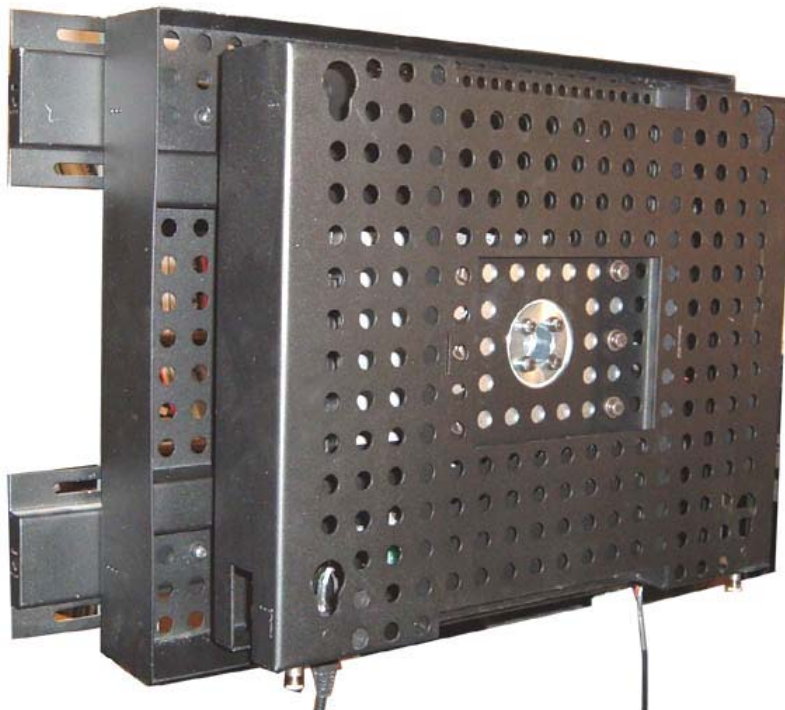


DISPLAY DEVICES

MRWM – Motorized Rotating Wall Mount for Flat Panel Displays



The MRWM is designed to handle weight loads up to 90lbs. **It is the responsibility of the installer to ensure this product is properly supported and meets all local building codes. DO ensure the wall structure is capable of holding at least four times the combined weight of the mount and plasma display. This is a minimum requirement; Follow any local or state codes that apply to your specific area.**

READ ALL INSTRUCTIONS PRIOR TO BEGINNING THE INSTALLATION

tel: 303.412.0399
fax: 303.412.9346

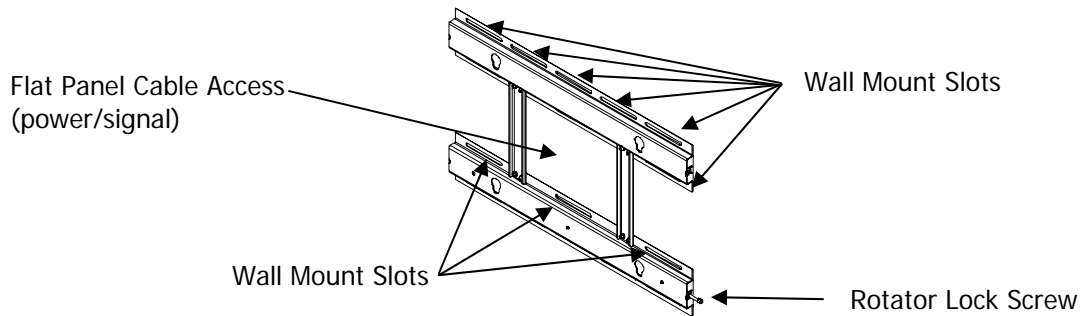
www.displaydevices.com
tech@displaydevices.com

5880 Sheridan Blvd., Arvada, Colorado 80003

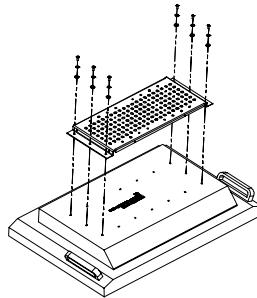
DISPLAY_® DEVICES

- 1.) Determine mounting location – verify structural attachment points within your wall. If structural attachments points (studs, concrete, truss) do not exist then **do not attach the mount to a drywall surface** with only molly or drywall mounting hardware. Structural reinforcement will be required.

Attach the "H Rails" using (8) 5/16" x 3" lag screws with washers for attaching to 2"x4" studs.

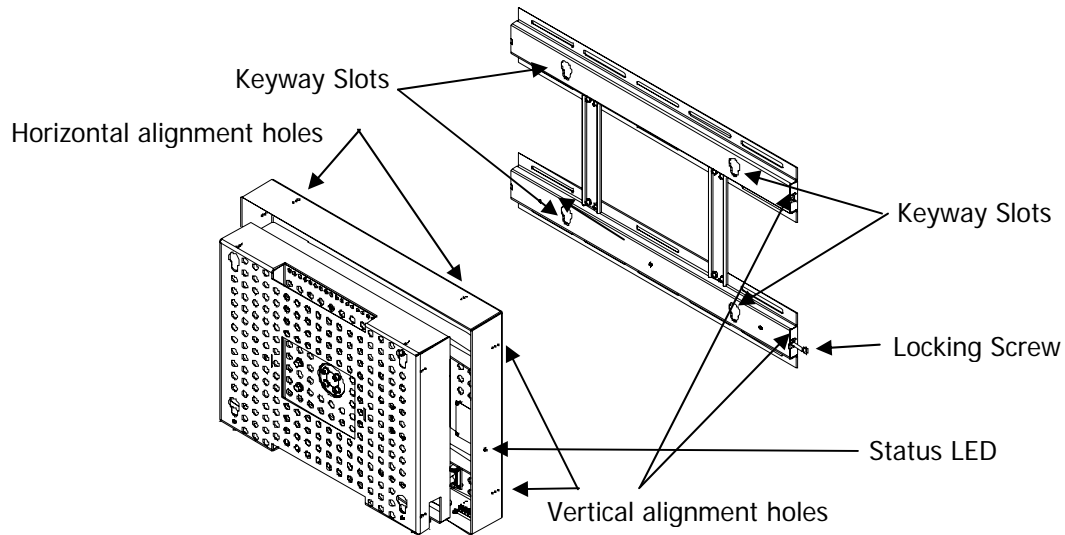


- 2.) The panel can be laid glass to floor on a clean cushioned surface (foam/packing blanket). Position the interface mount to the screen and attach with hardware provided. Mount size and hardware size depend upon the panel you are using. Thread hardware into mount holes and tighten. **NOTE: THE FLAT PANEL MUST BE CENTERED LEFT-TO-RIGHT AND TOP-TO-BOTTOM. PANEL CENTER OF GRAVITY NEEDS TO BE CENTERED ON THE ROTATING MOUNT.**

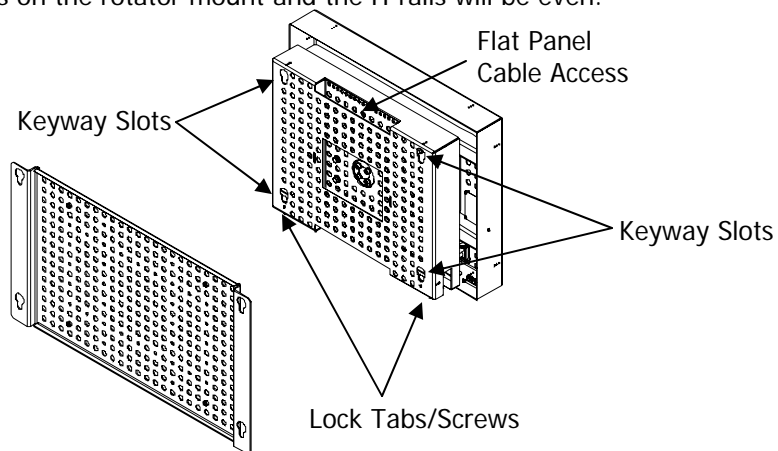


- 3.) Route your flat panel power and signal cables to the center of the H-Rail.
- 4.) Orient the Rotator Mount upright to the H-rails. The power and control connections are located on the bottom side of the of the Rotator Mount. While holding the Rotator Mount close to the H-Rails, insert the flat panel's power and signal cables through the Rotator Mount center hub. Leave enough cable slack that it will reach your connection points. **NOTE: The unit is designed for 5 BNC for RGBHV to pass through the center hub. If you require an HD15 input connector add a monitor breakout cable.**
- 5.) Align the lugs (use the horizontal alignment holes) to the keyway slots, insert and let it settle down in the slots. When the mount is fully set into the keyway slots, the vertical alignment holes on the rotator mount and the H-rails will be even.

DISPLAY DEVICES

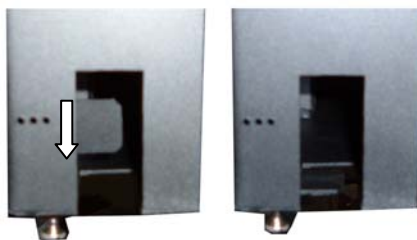


- 6.) Tighten the H-rail locking screw – tighten until you feel resistance – do not overtighten. As you tighten this screw, a bar in the rear slides to capture the lugs so they cannot rise up. Route the panel's power and signal cables between the two front layers of the rotator mount.
- 7.) Raise the flat panel/interface mount to the rotator mount. Align the lugs to the keyway slots, insert and let it settle down in the slots. If the mount is fully set into the keyway slots, the vertical alignment holes on the rotator mount and the H-rails will be even.



- 8.) Reach under the Rotator mount and rotate the Lock Tab so it locks the interface mount lug. There are two – one in each lower corner. Tighten the 2 captive lock screws.

Side View



Unlocked

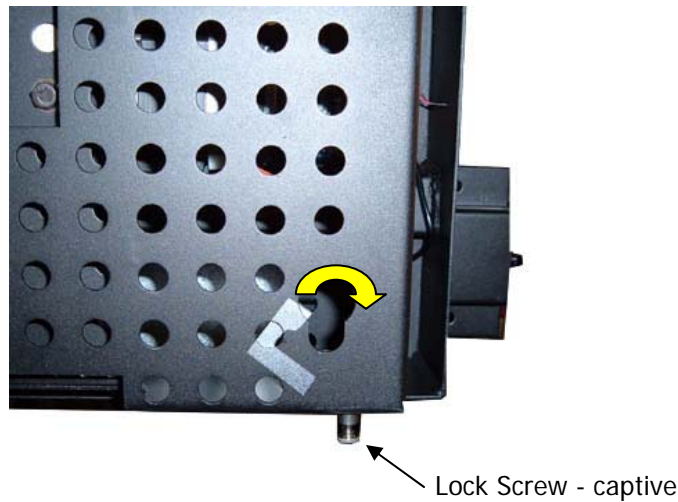
Locked

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DISPLAY DEVICES



- 9.) Connect the MRWM power (IEC connector) and plug in the hand held remote. Connect flat panel power and signal cables.

MRWM Remote and Programming

Remote Connector Pin Configuration	1	CW
	2	CCW
	3	Stop
	4	GND
	5	Status 1 (at CW)
	6	+12V (out, do not use)
	7	Status 2 (at CCW)
	8	+12V (out, do not use)
	9	Status 3
	10	GND

Pins 5 through 10 are used if your system requires positive feed back that the unit is rotated into a position. NOTE: Status Outputs are Open Collector. You must provide pull-up resistor and limit the current to no more than 50ma.

Programming – you must enter programming mode before setting positions.

To enter the programming mode: Press STOP for 10 seconds – the LED on the side of the chassis will blink faster, release STOP.

Landscape position: After entering programming mode set the desired landscape position. Now press and hold STOP then CCW – wait for the LED to blink rapidly, then release CCW, then STOP.

Portrait position: While in programming mode, set the portrait position. Now press and hold STOP then CW – wait for the LED to blink rapidly, then release CW, then STOP.

To exit programming mode: Press and hold STOP for 10 seconds and wait for the LED to blink rapidly then release STOP.

DISPLAY DEVICES

Optional Serial Interface

Baud: 9600,N,8,1

Single character commands, no delimiter.

TO MRWM:

- 'A' - Stop
- 'B' - Move to Clockwise Position
- 'C' - Move to Counter Clockwise Position
- 'D' - Start Programming mode
- 'E' - End Programming mode (and active any new settings)
- 'G' - Set Clockwise Position
- 'H' - Set Counter Clockwise Position
- 'I' - Ready Query

FROM MRWM:

- 'Z' - unit moving
- 'M' - Not Moving, At Clockwise Position
- 'L' - Not Moving, At Counter Clockwise Position
- 'R' - Not Moving (if responding to above I command), or Received vaild command
- 'U' - Invaild command

MRWM automatically sends 'M' or 'L' at end of movement.