

# **INSTALLATION GUIDE**

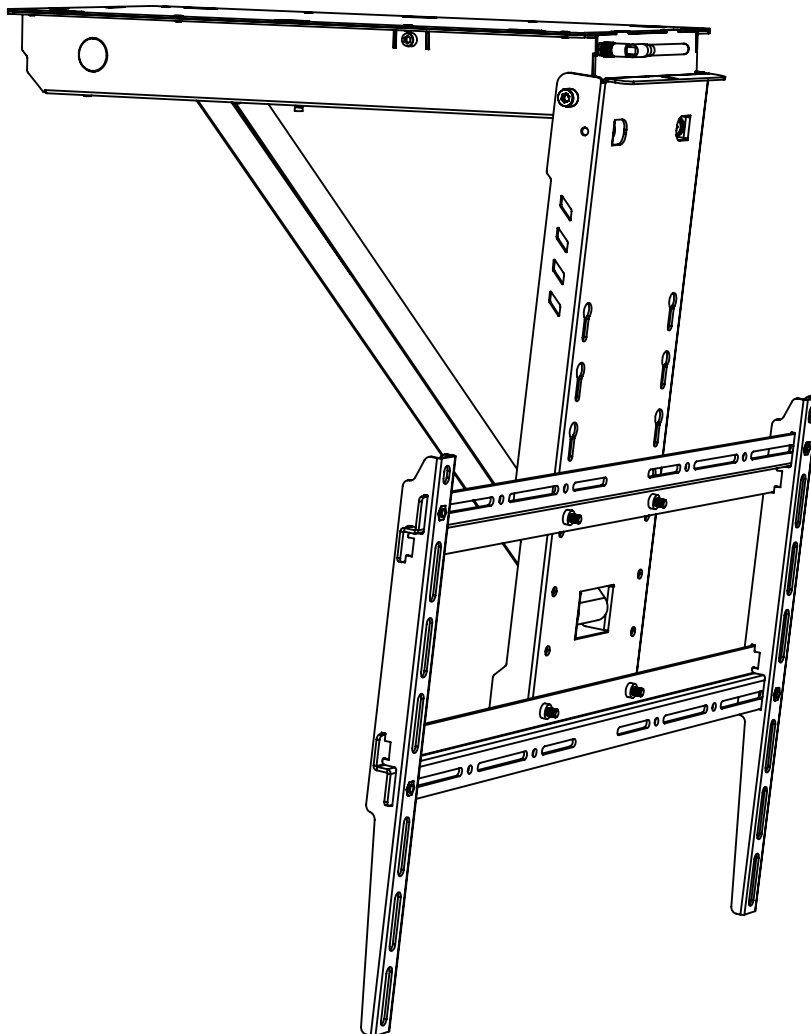
## **Ceiling TV Mount**

TMO-MTV-005

Support 32" to 65" Screens

Max Load Capacity: 88 lbs (40 kg)

**VESA 200×200/600x400 compatible**

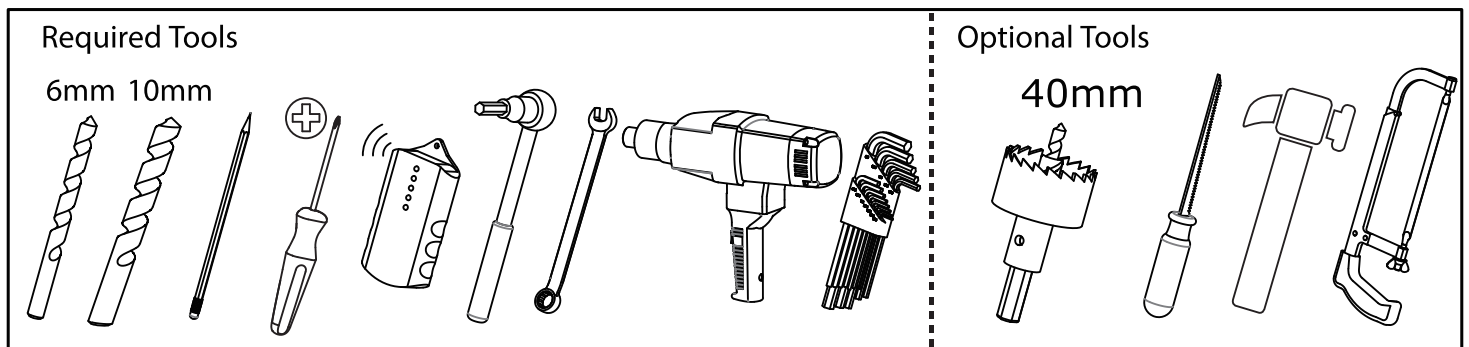


**Note:** Read entire instruction sheet before you start installation and assembly.

## ⚠ WARNING

- Be sure to read this entire manual thoroughly and you fully understand all the instructions and warning before attempting to begin your installation.
- This product should only be installed by someone who has a basic knowledge of building construction, in stallions and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the mount, the display and all attached hardware and components.
- The maximum load capacity is 88 pounds.
- If mounting to a wall of wood stud construction, be sure that mounting bolts are anchored to the center of the studs.
- Always have someone assist you to lift and position your equipment.
- Tighten screws and bolts firmly, but do not over tighten. Over tightening can damage the items and greatly reduce their ability to hold. Please refer to suggested torque values where applicable in these instructions.

### Tools Needed for Assembly



Before you begin, please verify that all components are included and undamaged. If any parts are missing or damaged, contact Product supplier, Never proceed with missing or damaged parts!

Lay out all components and make sure you identify that each one has a match in the diagram. Some of the parts included will not be used during installation. Do not proceed if you do not understand and identify all of the components.

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Before you begin, make sure all parts shown are included with your product.  
Parts may appear slightly different than illustrated.

## Parts List

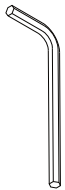
Description

<b>A</b>	Hexagon screw	4	M6x10
	Allen wrench	1	M4
<b>B</b>	Hexagon screw	4	M6x16
<b>C</b>	philips pan head screw	4	M6x12
<b>D</b>	philips pan head screw	4	M6x25
<b>E</b>	philips pan head screw	4	M8x12
<b>F</b>	philips pan head screw	4	M8x25
<b>G</b>	Spacer	4	$\varphi 9 \times \varphi 17 \times 14$
	Bowl gasket	4	$\varphi 8 \times \varphi 16 \times 1.5$
<b>H</b>	washer	4	$\varphi 16 \times \varphi 6.2 \times 1.5$
<b>I</b>	washer	10	$\varphi 16 \times \varphi 8.2 \times 1.5$
<b>J</b>	Hex bolt screw	6	M8x63.5
<b>K</b>	Expansion pipe	6	M10x61

**A**



+



Hexagon screw  
M6x10(x4)

Allen wrench  
M4(x1)

**B**



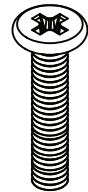
Hexagon screw  
M6x16(x4)

**C**



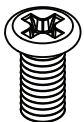
Philips Pan head screw  
M6x12(x4)

**D**



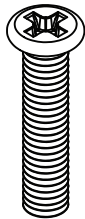
Philips Pan head screw  
M6x25(x4)

**E**



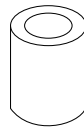
Philips Pan head screw  
M8x12(x4)

**F**



Philips Pan head screw  
M8x25(x4)

**G**



+



Spacer  
 $\varphi 9 \times \varphi 17 \times 14$ (x4)

Bowl gasket  
 $\varphi 8 \times \varphi 16 \times 1.5$ (x4)

**H**



washer  
 $\varphi 16 \times \varphi 6.2 \times 1.5$ (x4)

**I**



washer  
 $\varphi 16 \times \varphi 8.2 \times 1.5$ (x10)

**J**



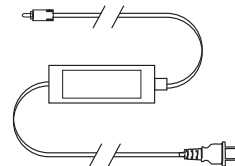
Hex bolt screw  
M8x63.5 (x6)

**K**



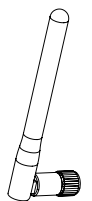
Expansion pipe  
M10x61 (x6)

**AA**



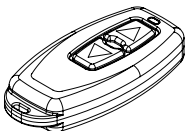
Power adapter (x1)  
(includes high voltage cable)

**BB**



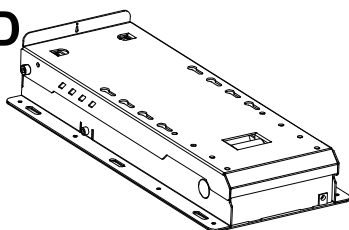
Signal receiver  
(x1)

**CC**



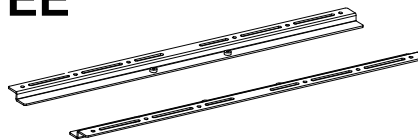
Remote control (x1)

**DD**



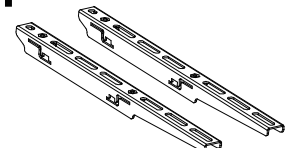
Master device (x1)

**EE**



Transom (x2)

**FF**



Hanging panel (x2)

## Install to Solid Wood Ceiling

### ⚠ WARNING

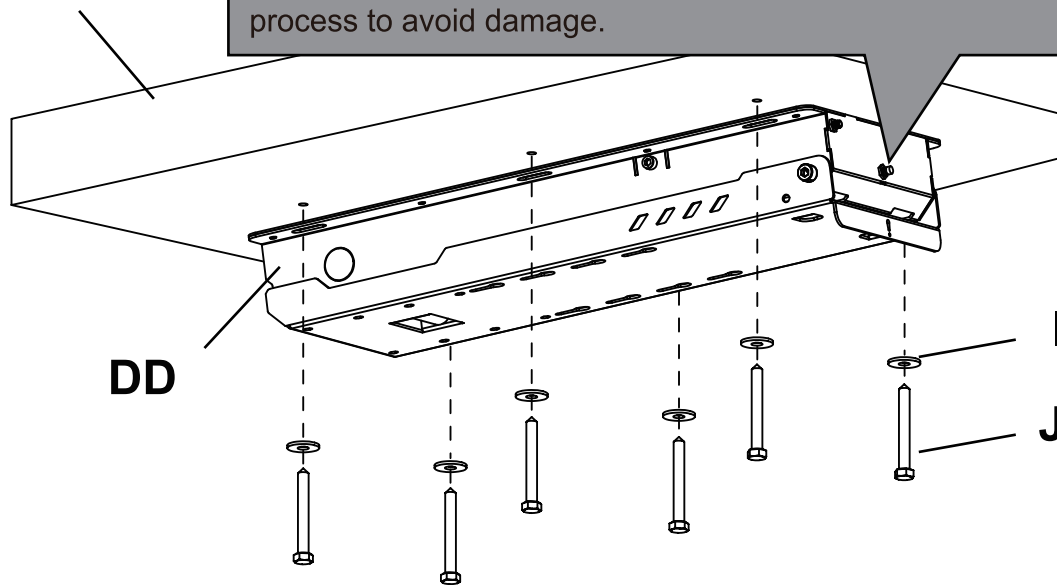
- Tighten wood screws so that ceiling plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Make sure that mounting screws are anchored into the center of the joist. The use of an "edge to edge" stud finder is highly recommended.

- A** Use mounting holes of (DD) as template to mark mounting holes. Drill six 0.24" (6 mm) dia. holes to a minimum depth of 2.6" (65 mm). Attach the master device (DD) with six hex bolt screws M8x63.5 (J) and Washer (I) as shown using 0.5" (13mm) socket wrench. Tighten wood screws (J), so bracket (DD) is firmly attached.

Solid Wood Ceiling  
(\*Not Plasterboard)

### ⚠ WARNING

1. After unpacking, pay attention to the visual inspection of the sensor, if there is obvious fracture damage, please contact the seller for replacement;
2. Do not touch the sensor during the whole handling and installation process to avoid damage.

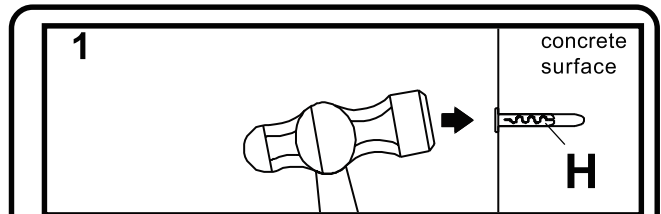


## Install to Concrete Ceiling

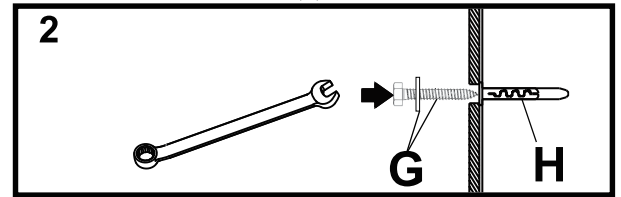
### ⚠ WARNING

- When installing the wall mount to cinder block, verify that you have a minimum of 1-3/10" of actual solid concrete thickness in the hole to be used for the concrete anchors. Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" minimum from the side of the block. Cinder block must meet ASTM C-90 specifications. It is recommended that a standard electric drill set on a slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity.
- Concrete must have a 2000 psi density minimum. Lighter density concrete may not hold the concrete anchor.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

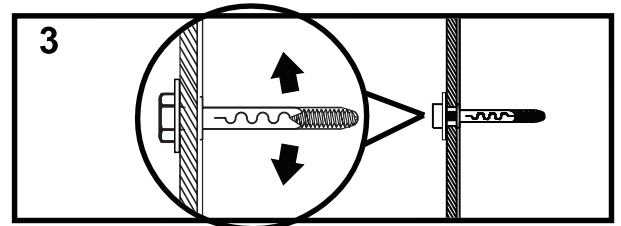
**B** Use mounting holes of (DD) as template to mark mounting holes. Drill six 0.39"(10mm) dia. holes 2.6" (65 mm) deep. Insert concrete anchor (K) in holes flush with the wall as shown (right). Place wall plate over anchors and secure with M8x 63.5 screws (J) and Washer (I). Level, then tighten all fasteners.



1 Drill holes and insert anchors (H).



2 Place wall plate of (AA) over anchors (H) and secure with (G).



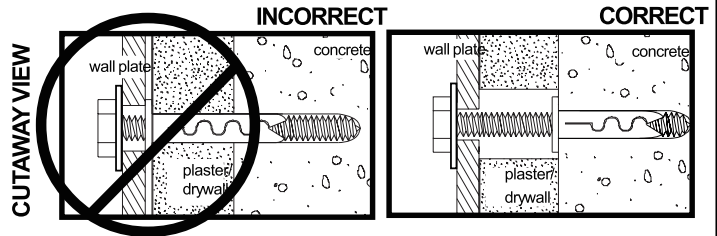
3 Tighten all fasteners.

**⚠ WARNING**

- Tighten screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage screws, greatly reducing their holding power.

**⚠ WARNING**

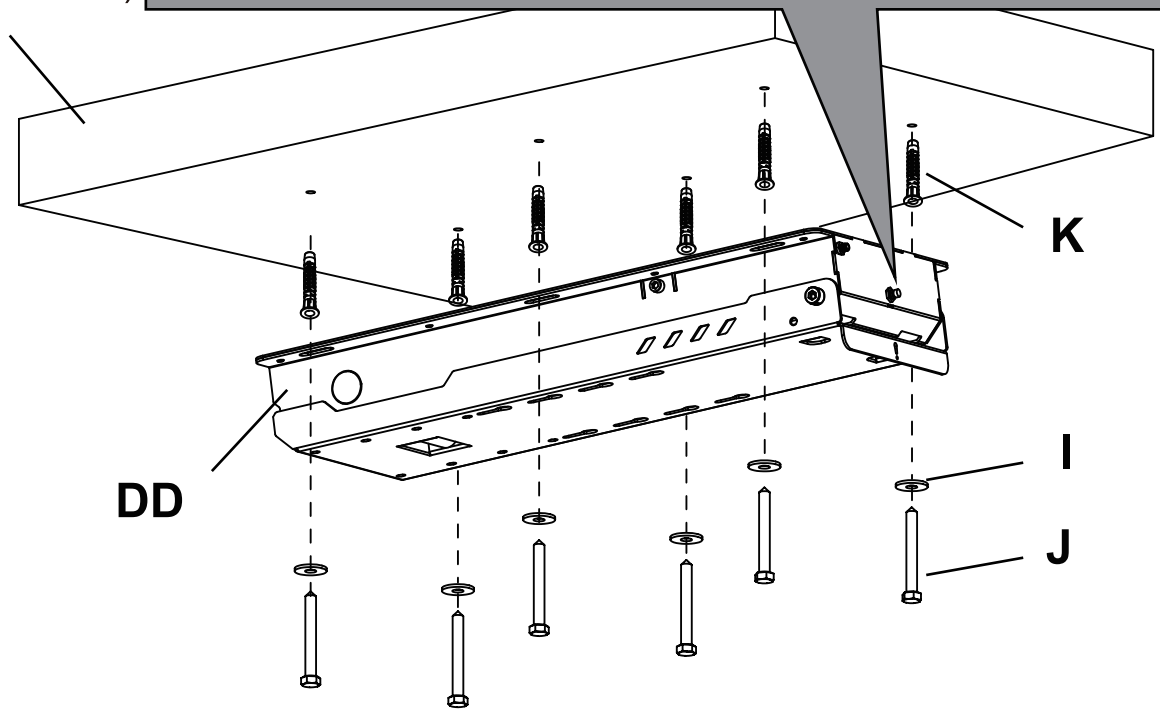
- Always attach concrete anchors directly to load-bearing concrete.
- Never attach concrete anchors to concrete covered with plaster, drywall, or other finishing material. If mounting to concrete surfaces covered with a finishing surface is unavoidable, the finishing surface must be counterbored as shown below. Be sure concrete anchors do not pull away from concrete when tightening screws. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by the installer.



**⚠ WARNING**

1. After unpacking, pay attention to the visual inspection of the sensor, if there is obvious fracture damage, please contact the seller for replacement;
2. Do not touch the sensor during the whole handling and installation process to avoid damage.

**solid concrete**  
(\*Not Plasterboard)



# Installation & Adjustment of the screen

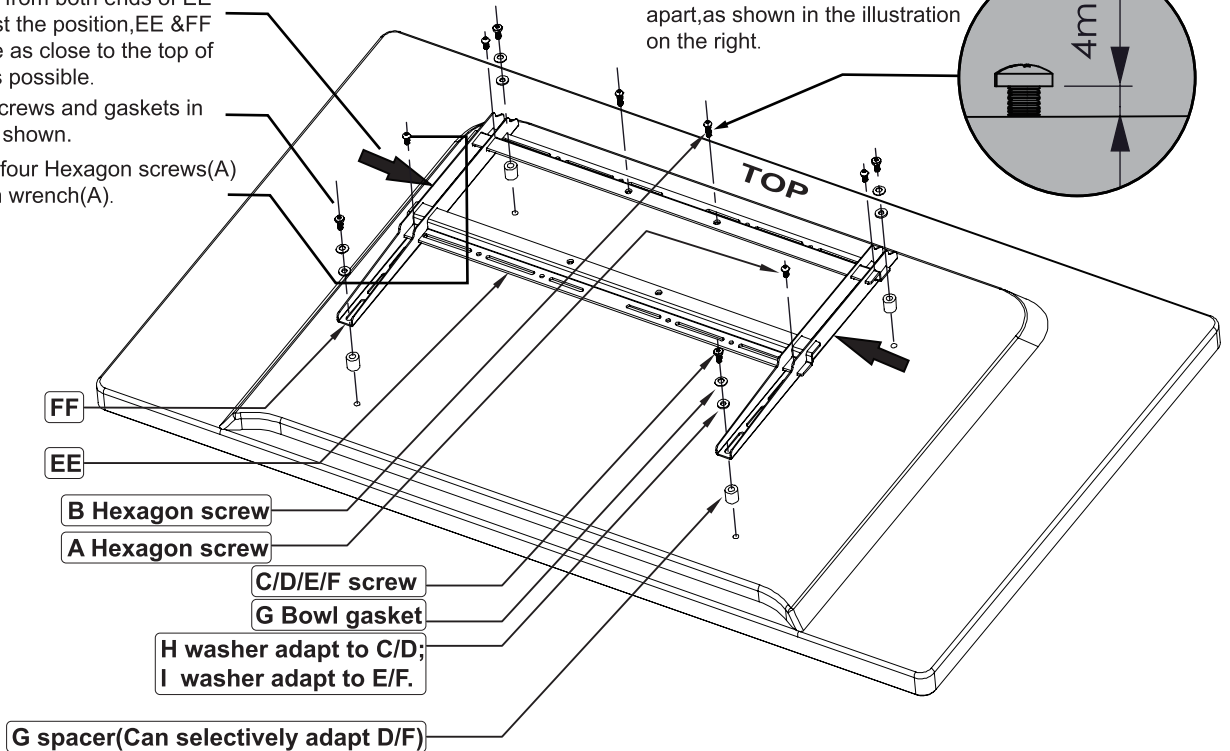
## A

STEP1: Insert FF from both ends of EE and adjust the position, EE & FF should be as close to the top of the TV as possible.

STEP2: Thread screws and gaskets in the order shown.

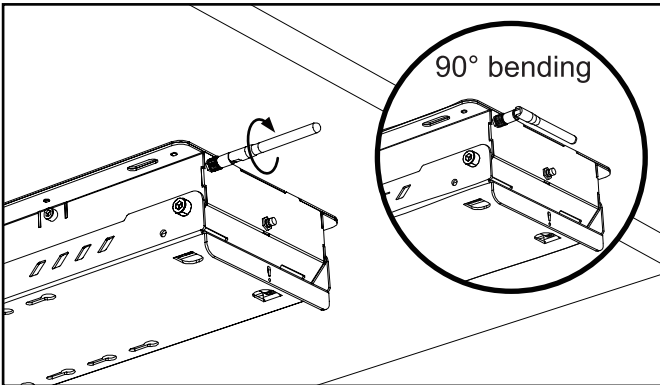
STEP3: Lock the four Hexagon screws(A) with Allen wrench(A).

STEP4: Lock two Hexagon screws(A) with Allen wrench(A) first, Do not lock to the end, leave about 4mm apart, as shown in the illustration on the right.

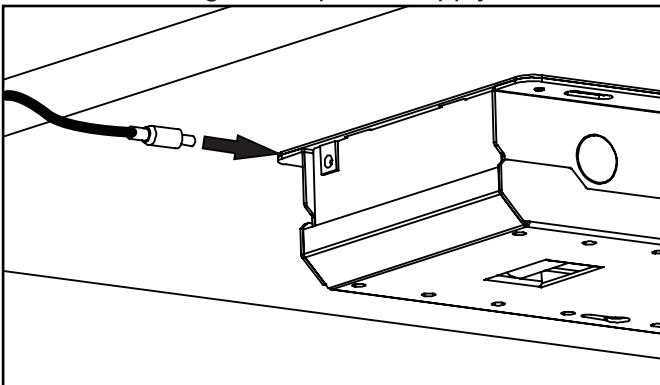


## B

Install the signal receiver clockwise, receiver allows 90° bending. Do not over tighten to avoid damage.



Read the nameplate of the power adapter carefully before switching on the power supply.

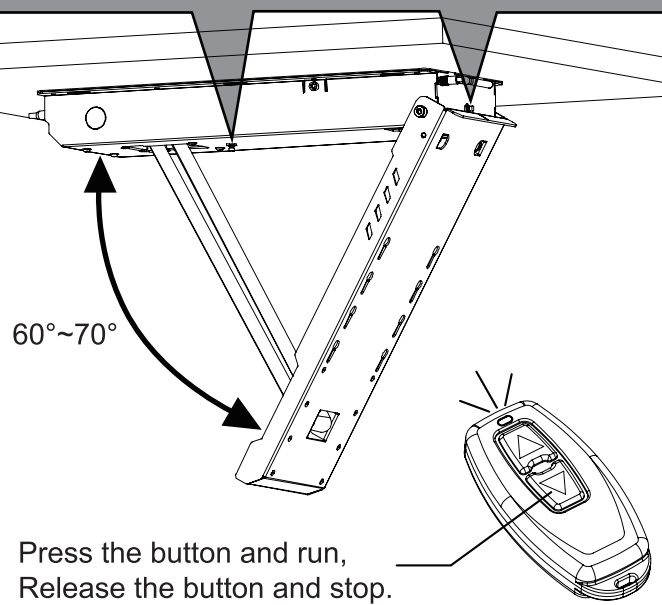


## C

With the remote control, lower the bracket flap to 60° to 70°, **do not put it to the end**, so as not to damage the sensor accidentally during the installation process.

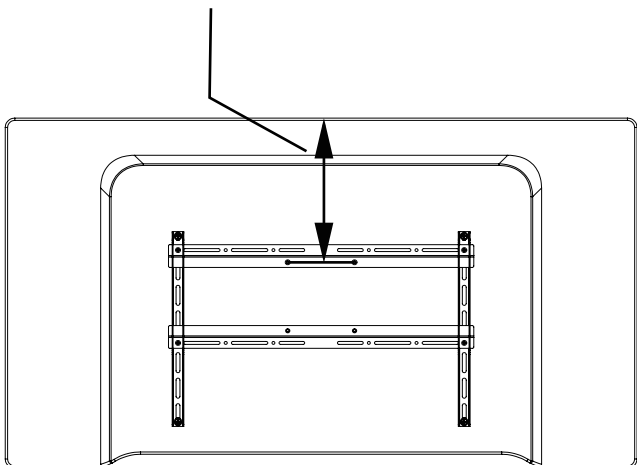
### ⚠ WARNING

Keep a distance of more than one meter away from the support. Do not touch the support with anything during operation to avoid being hurt. Be especially careful not to touch these two sensors



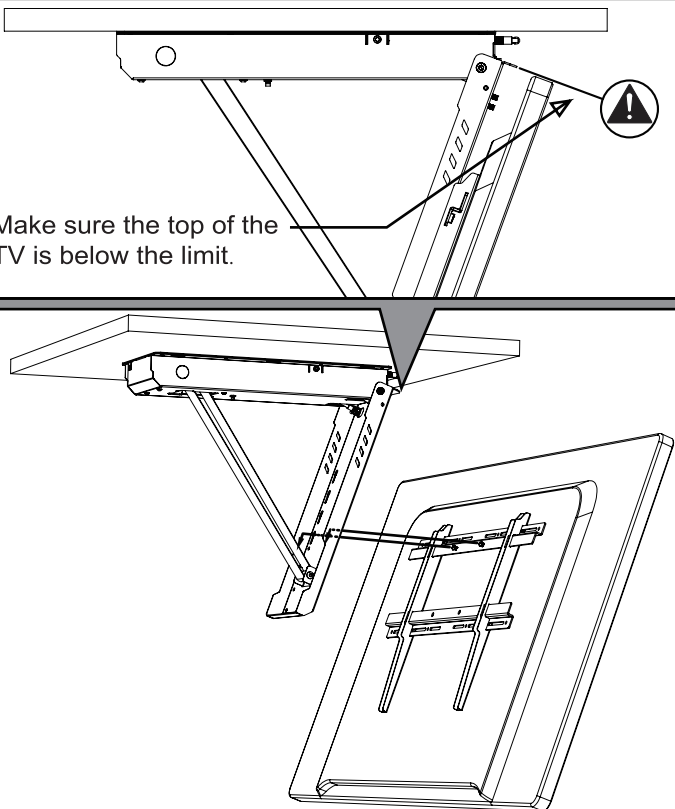
**D** Measure the necessary parameters and load the TV set as follows. In this step, it is strongly recommended that two people cooperate to avoid unnecessary security accidents.

Use a ruler to measure the distance between EE and the top of the TV, in order to select the appropriate hole for mounting.

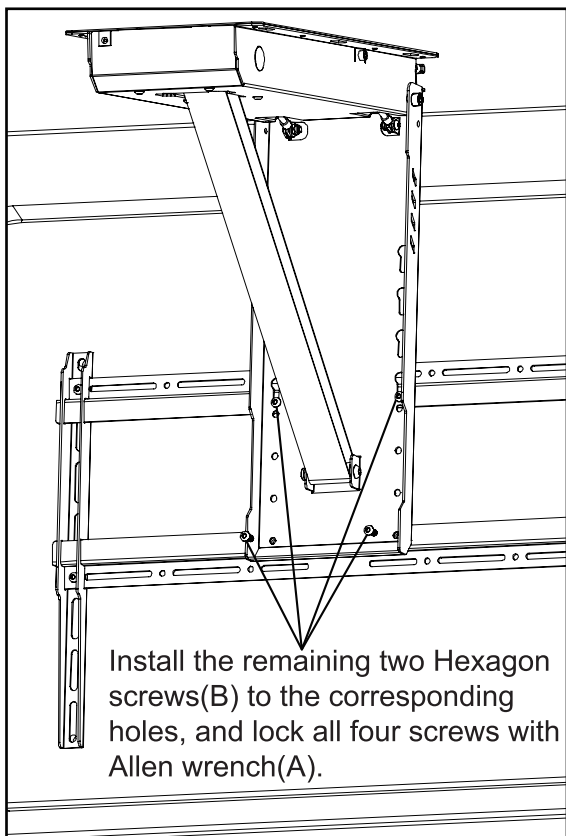


### ⚠ WARNING

Make sure the top of the TV is below the limit.



**E** Secure the supporting equipment and make any necessary safety checks.

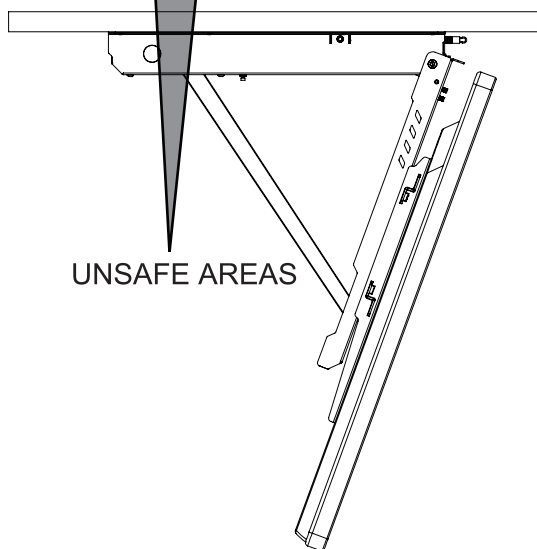


Install the remaining two Hexagon screws (B) to the corresponding holes, and lock all four screws with Allen wrench (A).

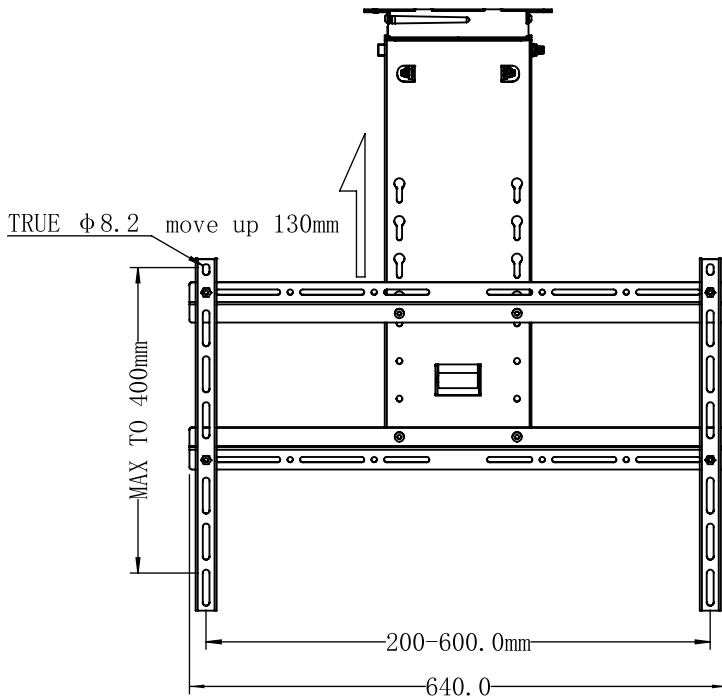
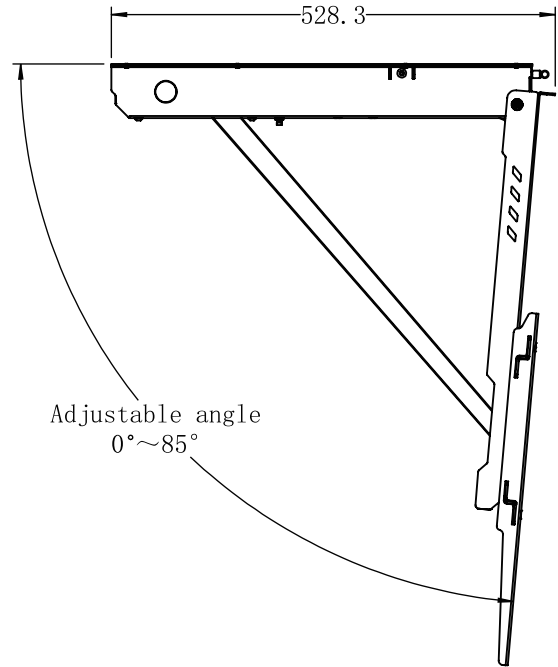
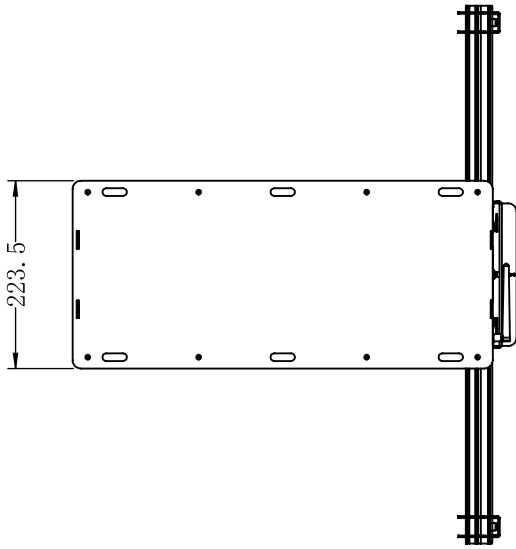
### ⚠ WARNING

Finally, before and after wiring, pay attention to check the equipment within the movement range, do not allow any obstacles that may hinder the operation of the equipment, in order to avoid danger.

UNSAFE AREAS



# TMO-MTV-005 PRODUCT DIMENSIONS



- 1、 support most display size: 32 "-65";
- 2、 support VESA: 200\*200-600\*400;
- 3、 maximum load bearing: 40kg (88 LBS);
- 4、 Power Supply: Input : AC 100~240V,50/60Hz ;  
Output : DC 24V, 2.5A ;
- 5、 Optimum remote control distance : ≤15m