

# Grandview®

## Hidetech BII Series Recessed Tab-Tension Screen Installation Manual

Model: HT-MF xxx II

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# Grandview®



Thank you for purchasing a Grandview product.  
Before use, please read this manual carefully and keep it for future reference.

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## Operation Guidelines

### B. RS485/RS232 Control:

The control output port is connected to an RJ45 (8P8C) plug, with lines 1 and 2 being the control lines. For RS485 control connection, line 1 is D-, and line 2 is D+. For RS232 control connection, please refer to the diagram shown: Figure 9

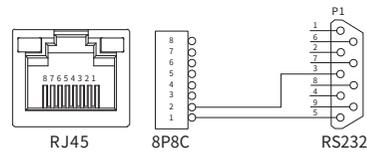


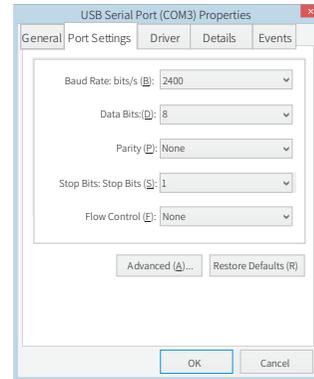
Figure 9

#### RS485/RS232 port settings:

- Baud Rate: 2400
- Data Bits: 8 bits
- Parity: None
- Stop Bits: 1

#### Hexadecimal Control Codes:

- Retract: FF EE EE EE DD
- Stop: FF EE EE EE CC
- Extend: FF EE EE EE EE
- Some central control devices require an address code to be set: FF EE EE EE AA
- Address Learning Command: FF XX XX XX AA (XX XX XX represents any hexadecimal characters except E and 5)



#### Note:

When connecting RS232 or RS485, if the screen cannot be controlled to perform related actions, please swap the two control lines.

The wiring loop resistance should be less than 20Ω.

Do not run wiring parallel to strong interference sources.

### C. Dry Contact Control

When using an RJ45 8P8C connector, pins from left to right are:

Pin 3 = Stop, Pin 4 = Up, Pin 5 = Down, Pin 8 = Common (see Fig. 10).

### D. DC12V Trigger Control

For DC trigger control via RJ45 8P8C connector: Pin 6 = DC 12V+, Pin 7 = DC 12V- (see Fig. 10).

When DC 12V is applied, the screen deploys; when DC 12V is disconnected, the screen retracts.

RJ45 Pin Function Table							
Pin Number	1	2	3	4	5	7	8
Function	RS485-B RS232-GND	RS485-A RS232-TXD	STOP	UP	DOWN	12V+	12V- Common Lin

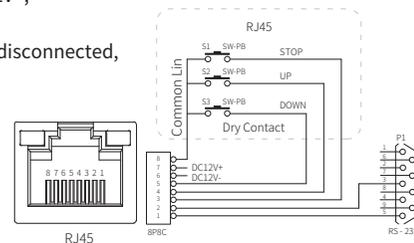


Figure 10

## Warnings

- The ceiling or wall used for fixture installation must be secure to prevent the screens from falling.
- Please read the following as any damage to the screen surface will affect the quality of the picture:
  1. Avoid contact or touching the screen surface as it may cause scratches or tears.
  2. Do not write or draw on the surface.
  3. Do not damage the surface of screen by knife or finger
  4. Clean the screen with a soft cloth and lukewarm water. Do not use any detergent or cleaning
- Please retract the screen after using
- Make sure the Fixing screw be fastened when using the wall bracket, to avoid any damage.
- Roll up the screen after every use. Ensure that the screen is level when installing; do not pull on the sides or fold the screen.
- To prevent unnecessary damage, the operating and maintenance of the screen should be done by adults.

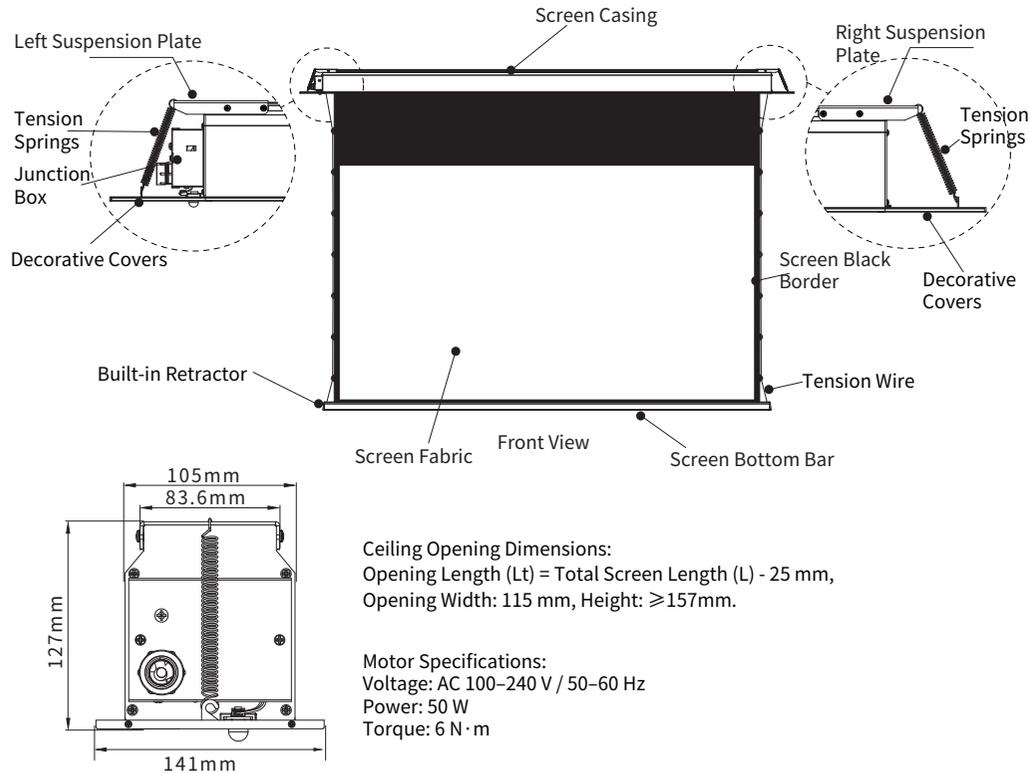
### Attention:

- Please make sure there is no dust or dirt on the fabric surface before rolling it back to the casing .

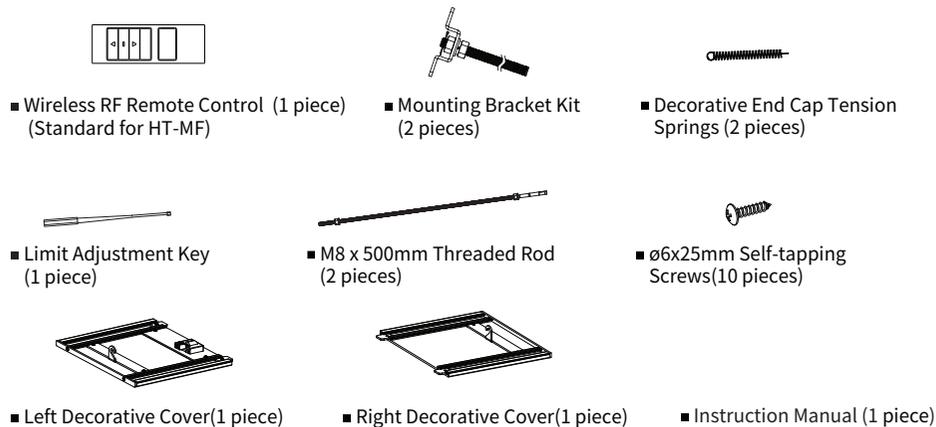
 Warning	Ignoring the safety warnings may lead to injuries and/or damaging the product.	 Mandatory	Fixtures should be installed in a secure place to avoid accidents or the screen falling.
 No Hanging Items	Refrain from hanging anything on the screen as it may cause the screen to fall.	 Mandatory	Roll up the screen after every use. Leaving it hanging for a long period of time may cause the fabric to loosen.
 Prohibition of Disassembly	Do not disassemble the screen or loosen any screws. For repair or adjustment, please contact your dealer or qualified service personnel.		

Note: Do not disassemble or replace any components without authorization. For malfunctions, contact after-sales service. Specifications may change without prior notice.

## Screen Structure Diagram



## Accessory Diagram



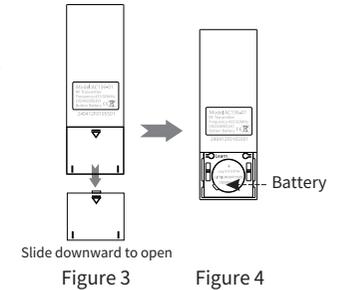
## Operation Guidelines

### Remote Operating Instructions

1. Operating Frequency: 433.92 MHz
2. Operating Temperature Range: -20°C to +70°C
3. Battery Type: One CR2450 coin-cell battery
4. Battery Replacement: Replace the battery promptly when the remote signal becomes weak to ensure proper operation.

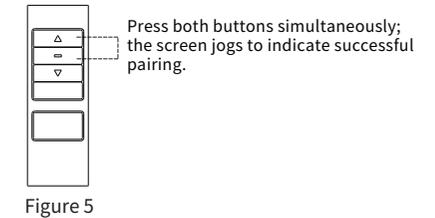
### Remote Battery Installation

- When the remote signal weakens, replace the battery as follows:
1. Slide open the battery cover on the back of the remote ( Figure 3 ).
  2. Insert the battery according to the indicated polarity ( Figure 4 ).
  3. Close the battery cover.



### Remote Pairing (Factory Paired)

- Disconnect power, wait 10 seconds, then reconnect. The screen jogs once to indicate power-on. Within 10 seconds, press Stop + Up simultaneously. The screen jogs again to confirm pairing.
- Note:  
 Odd attempts = Pairing  
 Even attempts = Unpairing



### Electronic Limit Setting (Wireless Remote Control)

Open the back cover of the wireless remote control. Briefly press the “Learn” button on the back of the remote control (see Fig. 6). The screen will jog up and down once to indicate that setting mode has been activated.

#### 1. Lower Limit Setting

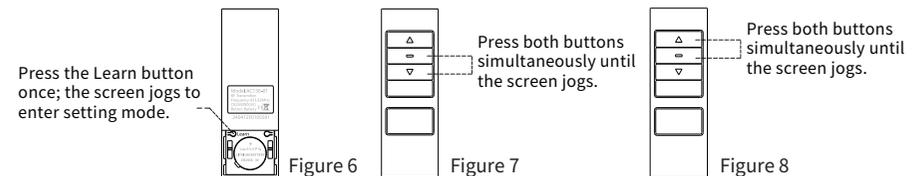
After entering setting mode, lower the screen to the desired position and press the Stop button. Then press the Stop and Down buttons simultaneously. The screen will jog up and down once to confirm that the lower limit has been set. ( Wireless remote: see Fig. 7 )

#### 2. Upper Limit Setting

After entering setting mode, raise the screen to the desired position and press the Stop button. Then press the Stop and Up buttons simultaneously. The screen will jog up and down once to confirm that the upper limit has been set. ( Wireless remote: see Fig. 8 )

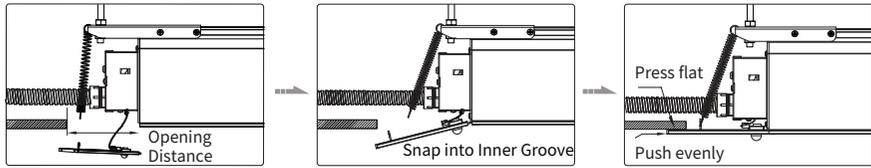
#### Note:

- The upper electronic limit is factory preset to an optimal position and typically does not require adjustment.
- In setting mode, the screen operates in step mode. Short-press the Up or Down button for incremental movement; press and hold for 3 seconds for continuous movement.
- If no operation is performed within 30 seconds, the system will automatically exit setting mode.



## Installation Steps

- Install the left decorative cover on the end with the power cord by following the illustrated steps below. The procedure for installing the right decorative cover mirrors this process.



① Before Installation: Ensure there is sufficient clearance at the opening. Gently pull the tension springs and hook the circular holes of the springs onto the decorative cover hooks.

② Slide the two tabs of the left decorative cover into the corresponding grooves of the casing. Engage the tabs into the inner slot.

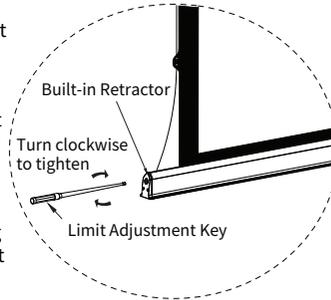
③ Press the left decorative cover smoothly against the ceiling, ensuring its level with the casing on both sides, then push directly towards the wall until it's aligned with the casing.

## Screen Tension Line Adjustment

Hold the bottom bar firmly with your hand, take the limit adjustment key, and align its smaller end with the hexagonal hole inside the retractor.

Gently press inward to adjust the tension shaft until it can rotate freely (turn clockwise to tighten, counterclockwise to loosen), adjust the tension line to the required tightness, release the pressing force to let the shaft pop out and reset, completing the adjustment.

Grasp the bottom bar securely, insert the smaller end of the Limit adjustment key into the hexagonal opening of the bottom bar, and apply gentle pressure to engage. Adjust the tension shaft by rotating (clockwise to increase tension, counterclockwise to decrease) until it moves freely. Set the desired tension, then release the key to let the shaft reset, finalizing the adjustment.



## Operation Guidelines

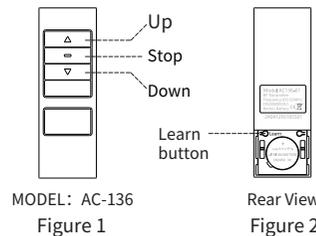
This electric projection screen supports multiple control methods. Choose the one that suits your needs:

- Wireless RF Remote Control
- RS485/232 Control
- Dry Contact Control
- DC12v Trigger Control

### A. Wireless RF Remote Control

#### AC136 Wireless RF Remote Control — Button Functions

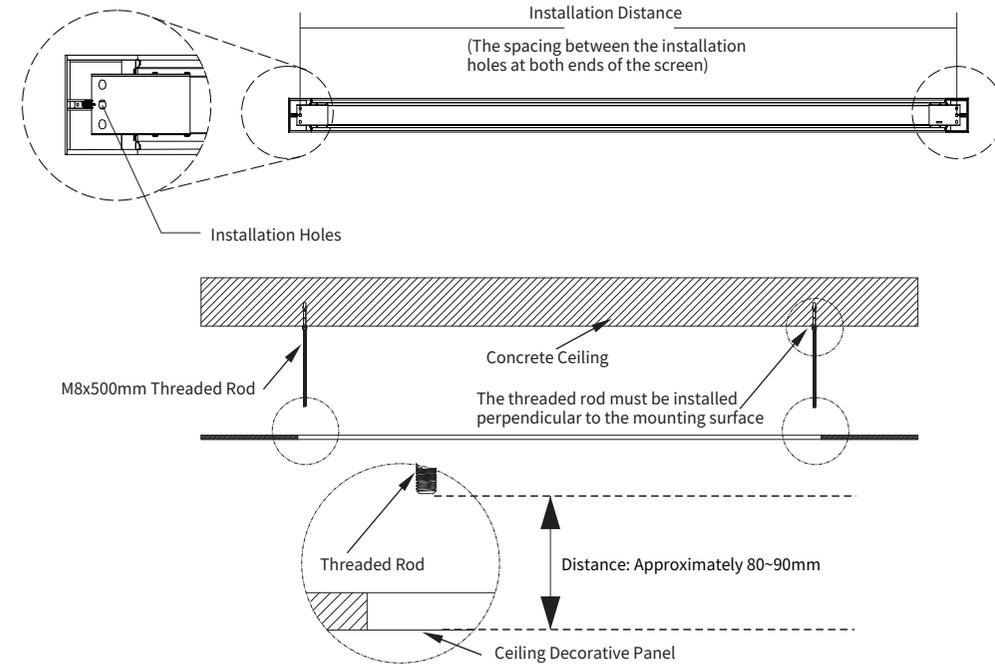
1. Press the Up button, screen retract to set position.
2. Press the Stop button, screen will pause.
3. Press the Down button, the screen will extend to set position.



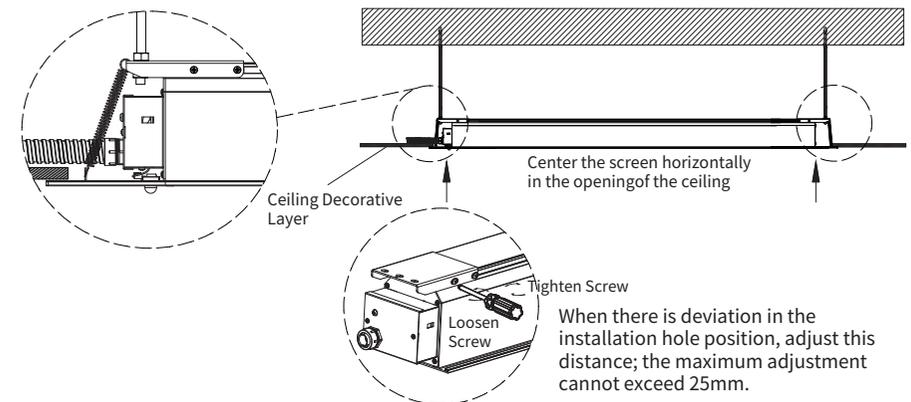
## Installation Steps

### Concrete Ceiling Installation:

Confirm the installation distance based on the position and height of the ceiling opening, drill vertical installation holes, insert expansion screws, screw the rod into the expansion screw, and fasten the rod. Cut the rod to the vertical distance from the installation wall to the ceiling decorative surface: 80-90mm.



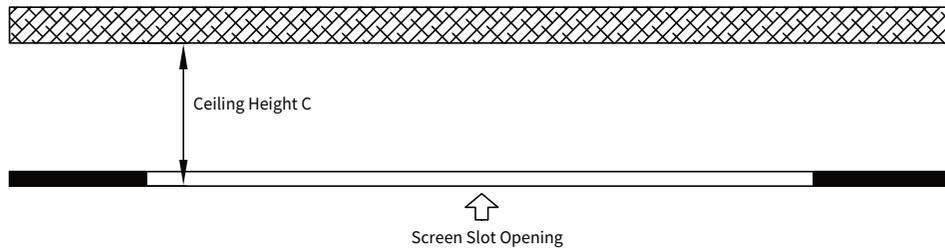
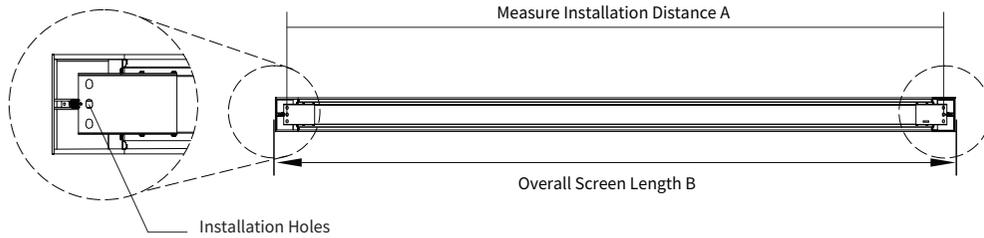
- Lift the screen with caution, guiding the threaded rod through the suspension holes on each side. Attach and secure the screen with nuts and washers, then use tools to evenly tighten the nuts on both sides until the screen is firmly positioned against the ceiling.



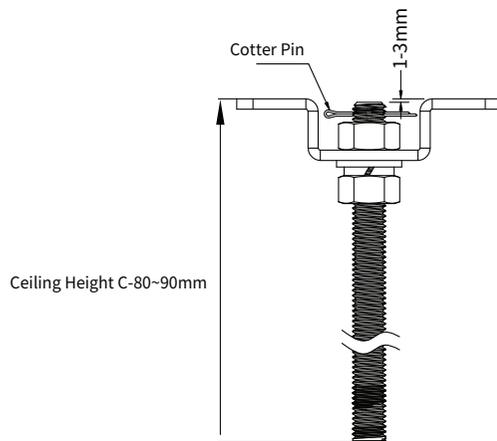
## Installation Steps

### Wooden Ceiling Installation (Ensure reinforcement at the suspension load-bearing points)

- Use a tape measure to measure A (mounting hole spacing on the brackets) and C (ceiling height).

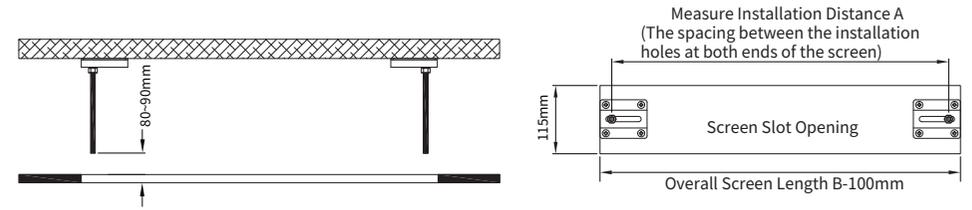


- Threaded Rod Assembly Instructions:** Secure the threaded rod to the mounting plate using two M8 nuts through the elongated slot. Ensure the rod head does not protrude below the mounting plate surface. Drill a cotter pin hole at the rod head to prevent loosening and potential safety hazards. Determine the required rod length based on ceiling height and cut accordingly (refer to diagram).



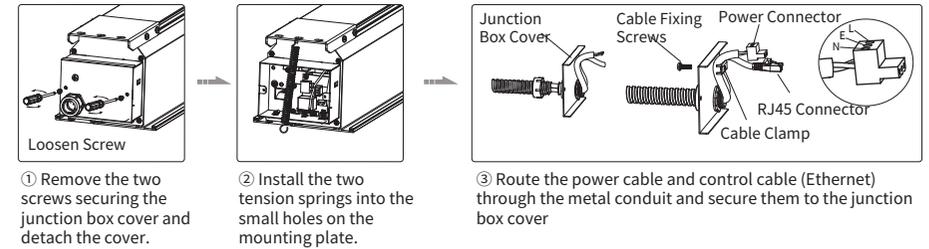
## Installation Steps

- Based on the measured mounting hole distance (A), determine the position of the screw rod assembly, mark the corresponding screw holes, and drill eight  $\Phi 6$  self-tapping screw holes for base installation. Fine-tune to the correct position, then tighten the screws to complete the fixation of the screw rod assembly. For screen installation, refer to the installation method on page 3 of the manual.

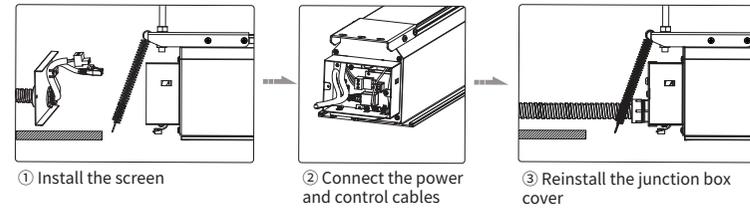


### Wiring and Decorative Cover Installation

- Before installing the screen, remove the junction box cover and prepare the wiring as shown.



- After the screen installation is complete, connect the power and control cables to the control board, then reinstall the junction box cover.



- The hook position on the decorative cover can be adjusted as follows.

