

Grandview[®]

Hidetech BII Series Recessed Tab-Tension Screen Installation Manual

(Moto A)

Model:HT-MFxxx II

Grandview[®]

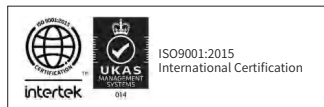


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Thank you for purchasing a Grandview product.
Before use, please read this manual carefully and keep it for future reference.

Setting the top/bottom limit:

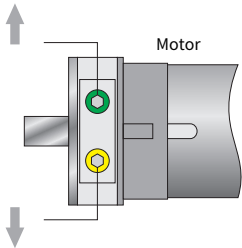
If have to adjust height limit for installation environment reasons,you can adjust the limit setting by using a providedadjustment bar insert into the adjustment hole which onthe left down area of motor.
As below figure:

Green knob:
Retract Limit (Upper Stop Position)

- Turn clockwise to lower the stop position
- Turn counterclockwise to raise the stop position

Yellow knob:
Deploy Limit (Lower Stop Position)

- Turn clockwise to raise the stop position
- Turn counterclockwise to lower the stop position



Note:
Please operate carefully, in case of screen overretract causing motoror screen damage.While extending more fabric,please add blackboarder within 10CM or it will cause fabric break and fall.

Precautions

- The ceiling or wall used for installation must have sufficient load-bearing capacity to prevent the screen from falling.
- Dirt or scratches on the screen surface may affect image quality. Please observe the following precautions:
 - Do not touch the screen surface with your hands.
 - Do not write or draw on the screen surface.
 - Do not puncture or scratch the screen fabric with fingers or sharp objects, as this may cause permanent damage.
 - Do not use thinners, solvents, or other corrosive cleaning agents to clean the screen fabric.
- After use, always retract the screen completely into the housing.
- For wall-mounted installation, ensure all mounting points are level so that the screen remains properly aligned when fully deployed.
- Do not pull the sides of the screen fabric by hand. Folding the screen fabric is strictly prohibited.
- To avoid unnecessary injury, installation, operation, and maintenance should be performed by adults only.

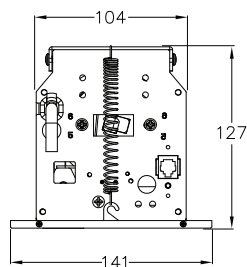
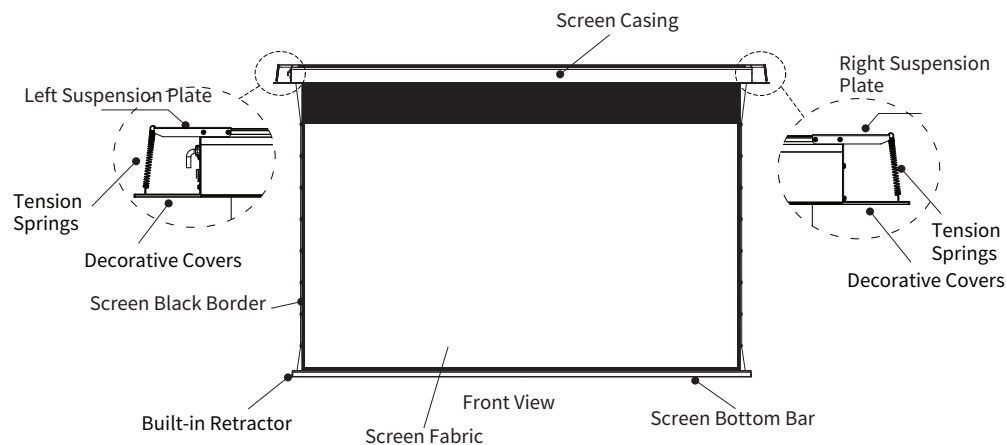
Important Notice:

- Before retracting the screen into the housing, ensure the screen surface is free from dust, insects, or foreign objects.
- Each raising or lowering operation should not exceed 50 seconds. If the motor runs continuously for more than 4 minutes, it will overheat and enter protection mode (automatically stopping operation). At that point, you must wait for a period of time until the motor cools down before resuming use.

 Warning	Failure to follow these warnings or improper operation may result in personal injury, loss of life, or product damage.	 Mandatory	The screen must be installed on a structure with sufficient load-bearing capacity. Failure to do so may result in accidents or screen detachment.
 Do Not Hang Objects	Do not hang any objects from the screen housing or bottom bar, as this may cause the product or screen fabric to fall.	 Mandatory	After use, retract the screen into the housing to protect it from dust and contamination.
 Do Not Disassemble	Do not disassemble the screen or loosen any screws. For repair or adjustment, please contact your dealer or qualified service personnel.		

Note: Users must not disassemble or replace any components without authorization. If a malfunction occurs, please contact the service department for repair. Product functions and structures are subject to change without prior notice.

Screen Structure Diagram



Ceiling Opening Dimensions:

Opening Length (Lt) = Total Screen Length (L) - 25 mm,

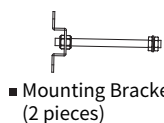
Opening Width: 115 mm, Height: ≥ 157 mm.

Screen: Voltage AC220/50HZ, power 120watts

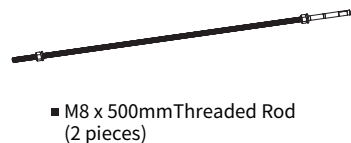
Accessory Diagram



■ Wireless Remote Handset (1 piece)



■ Mounting Bracket Kit (2 pieces)



■ M8 x 500mm Threaded Rod (2 pieces)



■ Tension Spring (2 pieces)



■ $\varnothing 5 \times 25$ mm Self-tapping Screws (5 pieces)



■ Decorative Covers (1 for each side)



■ Limit Adjustment Key (1 piece)



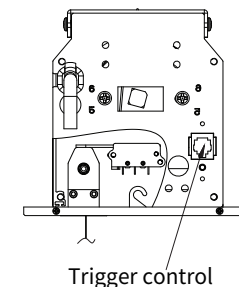
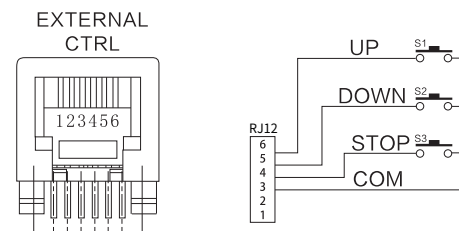
■ Allen Key (1 piece)

■ Instruction Manual (1pc)

Installation Steps

C. Dry contact control:

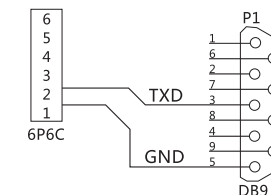
The control output port is connected to an RJ12 6P6C plug, starting from the left, lines 3-6 being the control lines, 3 - COMMON, 4 - STOP, 5 - DOWN, 6 - UP.



Trigger control

D. RS485/RS232 Control:

The control output port is connected to an RJ12 (6P6C) 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:



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

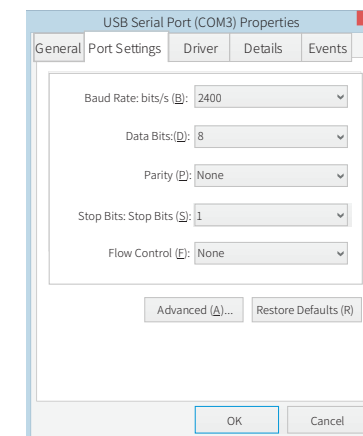
Some central control devices require an address code to be set: FF EE EE EE AA

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 20 Ω .

Do not run wiring parallel to strong interference sources.

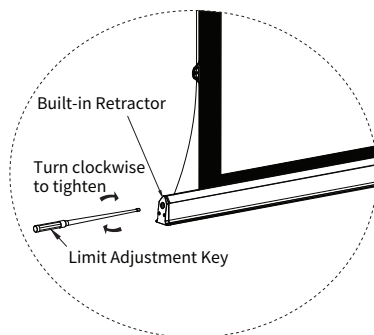


Screen Tension Line Adjustment

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.

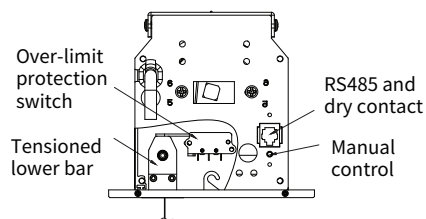
Grasp the bottom bar securely, insert the smaller end of the Limit adjustment key into the hexagonal opening of the bottom bar, and apply gentle pressure to engage. Adjust the tension shaft by rotating (clockwise to increase tension, counterclockwise to decrease) until it moves freely. Set the desired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



Functions and Instructions

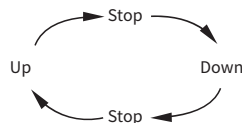
This product has four control methods.

- A. Manual Control Button
- B. Wireless RF Remote Control
- C. Dry Contact
- D. RS485/RS232 Control



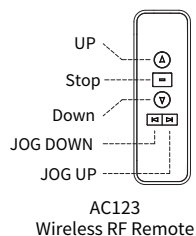
A. Manual Control

The Manual Control Button is located near the Dry contact and RS485 control. Pressing the button will command the screen to extend, pressing the button will command the screen to stop, then again to retract, then stop in sequence.



B. AC123 Wireless RF Remote Control

- Press the Up button, screen retract to set position.
- Press the Stop button, screen will pause.
- Press the Down button, the screen will extend to set position.
- Tap the Jog Up button to adjust the screen's upward movement slightly.
- Tap the Jog Down button to adjust the screen's downward movement slightly.
- The wireless transmitter comes pre-paired with the screen and is ready to use right out of the box. It can also be reset if needed.



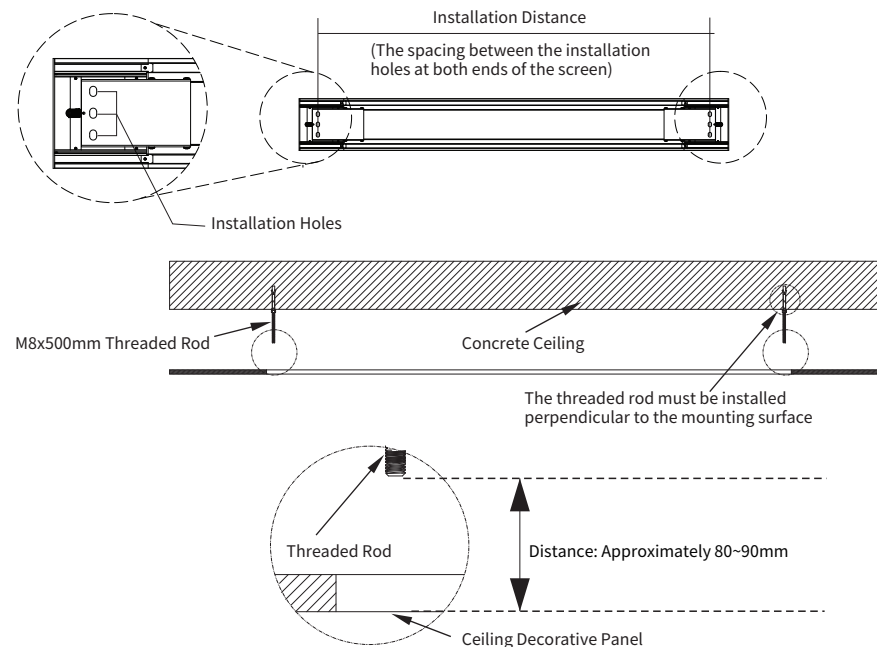
Pairing/Unpairing (Remote have been paired at factory)

Disconnect the power supply for 10 seconds and then reconnect, press the Up and Stop button simultaneously within 10 seconds of reconnection. The motor will rotate forward and then backward once signaling a successful pairing.

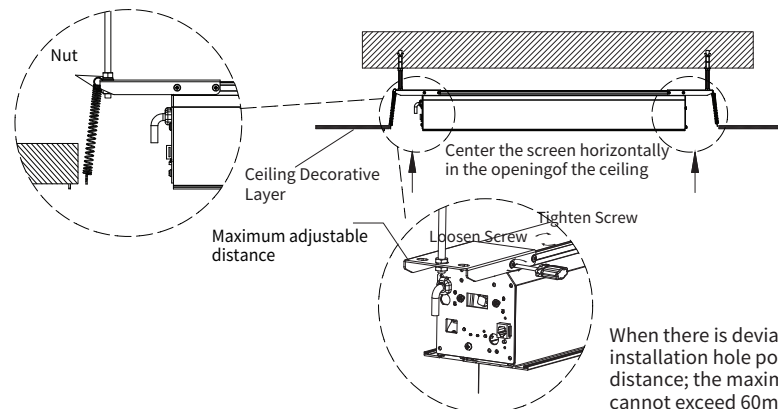
Installation Steps

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.

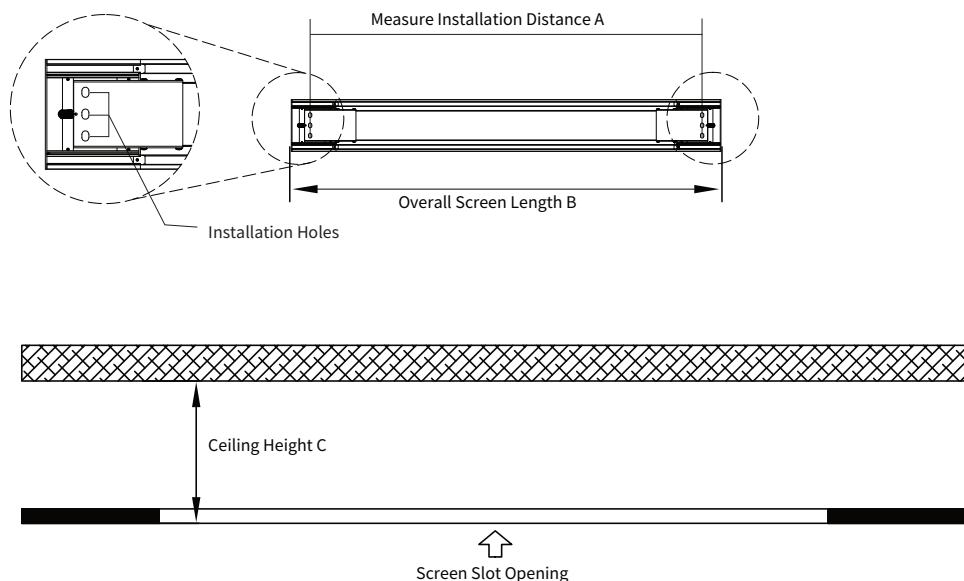


When there is deviation in the installation hole position, adjust this distance; the maximum adjustment cannot exceed 60mm.

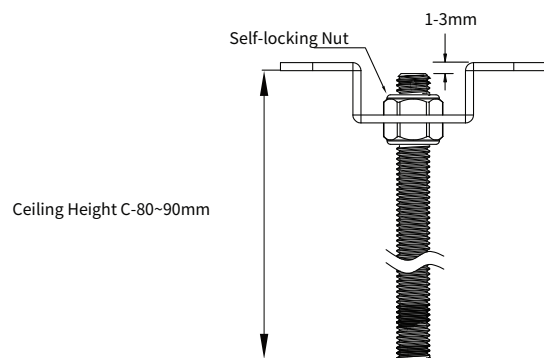
Installation Steps

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

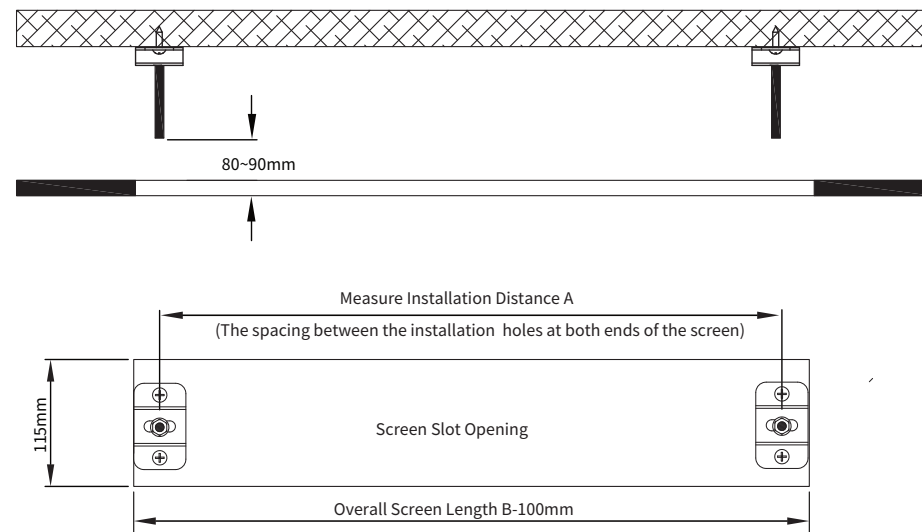
- Use a tape measure to measure A (mounting hole spacing on the brackets) and C (ceiling height).



- **Screw Rod Assembly Instructions:** Use an M8 nut to securely fasten the threaded rod into the round hole of the mounting bracket. Ensure the rod head does not protrude from the bottom surface of the bracket. Install a self-locking nut at the rod head to prevent rotation and loosening, which may result in safety hazards. Cut the threaded rod to the appropriate length according to the ceiling height (see diagram below).



- 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.



Decorative Cover Installation

- 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.

