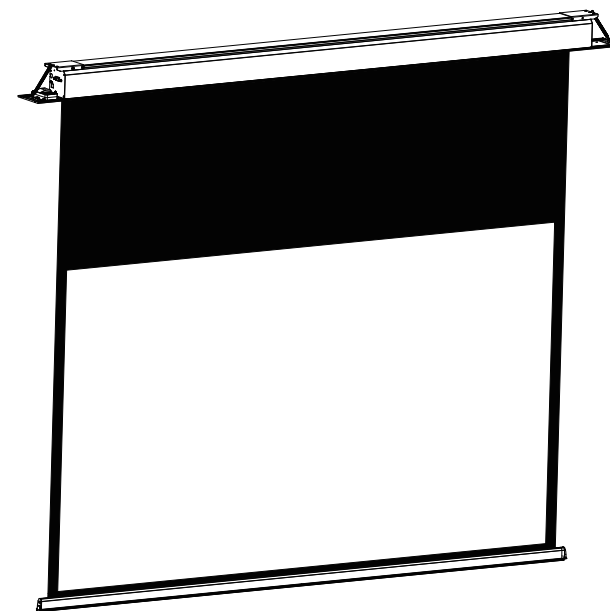


# Grandview®

## Hidetech Series Model BII Motorized Screen Installation Manual

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# Grandview®



**Model: HT-MP(xxx)/HT-MIR(xxx)**

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























Guangzhou Grandview Creative Technology Co., Ltd.







Add: No.43 S, Guomao Ave.Hualong,Panyu,Guangzhou,Guangdong,P.R.C Tel:  
+8620-8489-9499 Fax: +8620-8480-5299  
Web: [www.grandviewscreen.com](http://www.grandviewscreen.com)



## Important Safety Instructions

**【The following are critical safety precautions. Please read before installation and use.】**

-   1. The product must be installed by qualified professionals. Installation by unqualified personnel may result in product damage, property damage, or personal injury.
-   2. Before installation, ensure that the mounting location (ceiling or wall) and the suspension device can bear a load of at least 50 kg. Otherwise, accidental falling may occur, leading to product damage, property loss, or personal injury.
-   3. Never perform electrical work while the power is on or before the screen is fully installed, as this may cause product damage or personal injury.
-   4. During electrical installation, incorrect wiring or poor connections may result in product damage, fire, or electric shock. All electrical work must be performed by a qualified electrician.
-  5. This product uses single-phase AC power and must be connected to a grounded outlet with proper grounding.
-  6. The screen must be used in a horizontal state. During installation, ensure the screen is adjusted to a level position to avoid product damage.
-  7. For products with infrared remote control, avoid using them in environments with strong light or lasers. For products with wireless remote control (including infrared), keep them away from fluorescent lamps, energy-saving lamps, or other devices with strong electromagnetic radiation to prevent interference that may disrupt the remote control circuit.
-  8. To reduce the risk of fire or electric shock, do not expose the product to dripping water, rain, or humid environments.
-  9. Keep the product away from heat sources such as radiators, heaters, stoves, and other heat-emitting devices (including amplifiers).
-   10. During thunderstorms, heavy rain, or prolonged non-use, unplug the power cord. The product remains connected to AC power as long as the plug is inserted.
-  11. After use, fully retract the screen into the housing to prevent dust and dirt from contaminating the screen and degrading projection quality.
-  12. Stains or scratches on the screen surface may affect projection quality. Please note the following:  
A. Do not touch the screen surface with your hands.  
B. Do not write or draw on the screen.  
C. Avoid poking the screen with fingers or sharp objects to prevent cracks or scratches.  
D. Do not use organic solvents like thinners or corrosive cleaners. Use a non-corrosive dry soft cloth and mild soapy water to clean the screen and housing.
-  13. To prevent unnecessary harm, the operation and management of the device must be handled by adults.
-  14. Use only original accessories provided by the manufacturer.
-   15. Do not hang or place any items on the product housing or lower tube, as this may cause product damage.
-  16. There are no user-serviceable parts inside the product. Do not disassemble the product or replace components. For malfunctions, contact the after-sales service department and have the product repaired by qualified technicians.

 Ignoring the contents of the warning section may result in personal injury or property damage.	 The screen must be installed in a location with sufficient load-bearing capacity. Otherwise, accidents or screen detachment may occur.	 Do not disassemble the screen or loosen screws without authorization. For repairs or adjustments, contact the manufacturer or authorized dealers.
 Ignoring this may result in electric shock. Never connect switches or remote controls while the power is on.	 Ignoring this may cause product damage.	 Do not hang any items on the screen housing or pull tube, as this may cause the entire product or screen to detach.

## Maintenance and Adjustment

- After each use, fully retract the screen into the housing to prevent dust and dirt from contaminating the screen and degrading projection quality.
- Before retracting the screen, inspect the surface to ensure it is free of insects, dust, or foreign objects.
- Clean the screen surface with a non-corrosive dry soft cloth and mild soapy water. Do not use organic solvents or corrosive cleaners, as they may damage the product.
- The motor does not require lubrication.
- The screen's retraction and deployment heights have been preset to optimal positions at the factory. We do not recommend customers adjust these settings themselves to avoid product damage due to improper adjustments. (For deployment height/lower limit adjustments, consult your contractor or authorized dealer.)

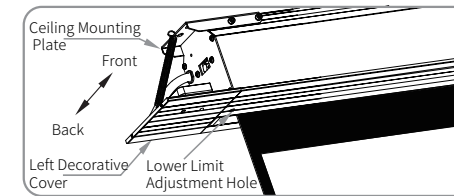
※ Adjustment method for screen retraction height (upper limit) and deployment height (lower limit).

If adjustments are necessary due to installation environment or space constraints, the lower limit (deployment height) can be adjusted using the motor adjuster inside the lower left of the screen (Figures 29-30).

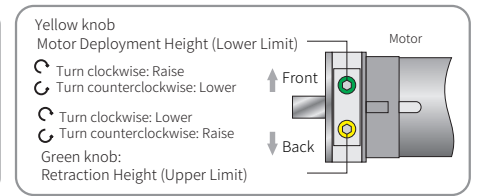


Operate with caution. When adjusting the retraction height, avoid over-retracting the screen to prevent motor and screen damage.  
When adjusting the deployment height, ensure at least one and a half turns of the screen remain wound around the roller to prevent detachment.  
After adjusting the limit positions, the screen may not respond immediately. Run the screen once or twice to observe the changes.

To adjust the deployment height (lower limit), set the control switch to the "Down" position. The screen will lower. Insert the included adjustment key into the motor's adjuster hole (yellow knob, facing the adjuster hole). Rotate clockwise to raise the screen or counterclockwise to lower it.



Figures 29



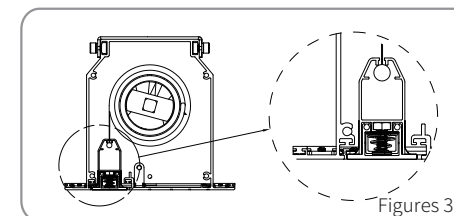
Figures 30



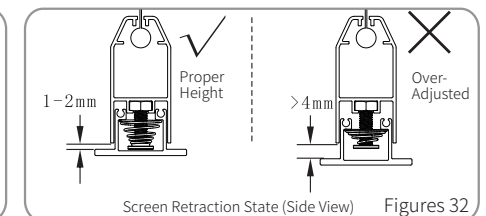
The product has a unique structure. The "retraction height" is preset at the factory. Do not adjust it yourself to avoid damage. The manufacturer will not warranty damage caused by improper adjustment of the retraction height (upper limit).

To set the upper limit, press the up button on your remote to raise the screen fully into its housing. Once the bottom bar assembly is all the way in, insert the supplied adjustment key (at a slight angle) into the motor's green knob locator. Rotate the key clockwise to lower the screen or counterclockwise to raise it further.

**Note when adjusting the upper limit:** because the decorative bottom bar fully seals the screen opening, its assembly differs from other models and contains an internal spring mechanism. When setting the upper limit, allow the bottom bar to just close while still leaving ample free travel. If the upper limit is set too high, you risk damaging the screen or the motor (see Figures 31-32).



Figures 31



Screen Retraction State (Side View) Figures 32

## Operation Guide

### Brief Description of Software Configuration Page:

#### Screen IP Address

The default factory setting is 192.168.1.2. Users can modify this as needed. In a local network, up to 20 screens can be used simultaneously in the same subnet. Each screen must be assigned a unique IP address: 192.168.1.x (x must not repeat or match the host's IP). Examples: 192.168.1.5, 192.168.1.6, 192.168.1.7, etc.

If more than 20 screens are in the same subnet, assign different subnets by changing the third segment of the IP address: 192.168.x.x. For example, for the 21st screen: 192.168.2.3, 192.168.2.4; for the 41st screen: 192.168.3.3, 192.168.3.4.

Screen Subnet Mask: 255.255.255.0

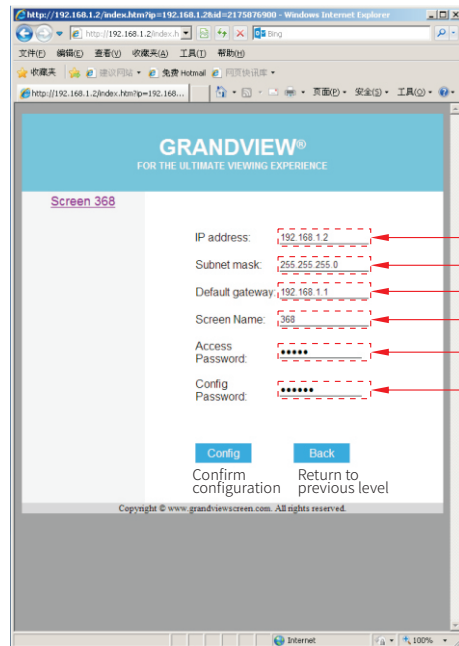
Screen Default Gateway: 192.168.1.1

Screen Name: Can be customized (up to 10 characters or digits; Chinese not supported).

Control Interface Password: Default is "admin" (can be modified; up to 6 characters).

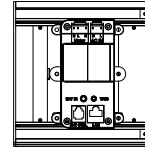
Configuration Interface Password: Default is "config" (can be modified; up to 6 characters).

After modifying configuration settings, press the "Config" key to save. Press "Back" to discard changes and return.

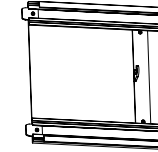


## Included Accessories

■ Left Decorative Cover Assembly (includes control board, 1 pc)



■ Right Decorative Cover (1 pc)



■ Limit Adjustment Key (1 pc)



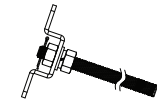
■ Infrared Remote Transmitter (1 pc)



■ Power Cord with Plug (1 pc)



■ Mounting Bracket Kit (2 sets)



■ External Infrared Receiver (1 pc)



■ Installation and User Manual (1 copy)

## Optional Accessories

■ M8 x 500mm Threaded Rod (2 pcs)



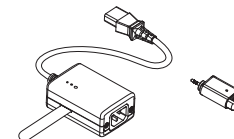
■ 12V Trigger Cable (1 pc)



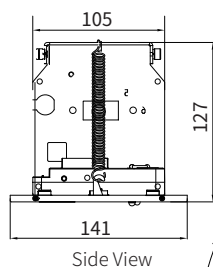
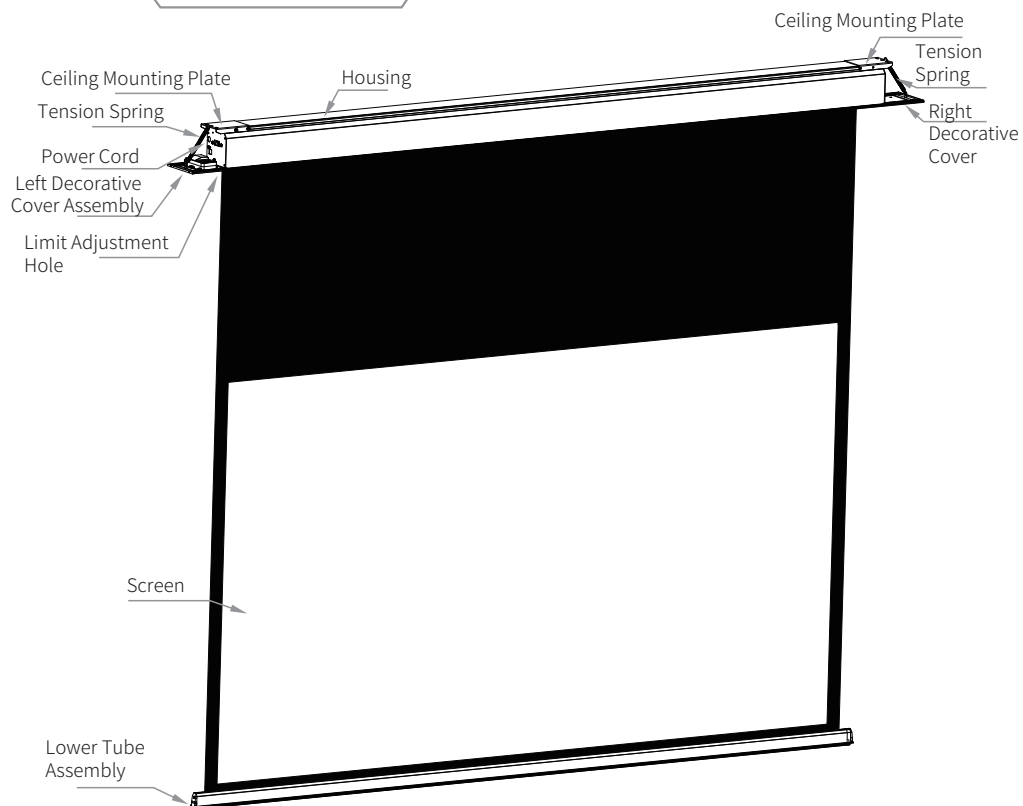
■ Wall Control Switch (Low-Voltage Dry Contact Control)



■ Wireless Smart Sync Power Transmitter and Wireless-to-Infrared Receiver

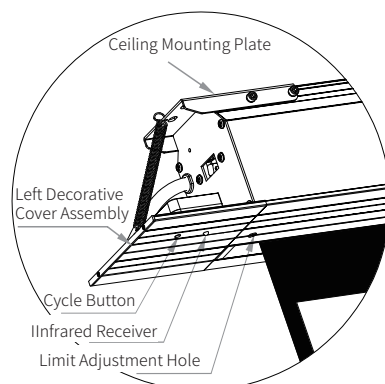
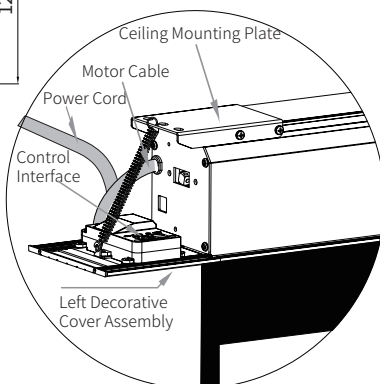


## Product Structure



### Ceiling Opening Dimensions:

Opening Length (Lt) = Total Screen Length (L) - 25 mm,  
Opening Width: 115 mm, Height:  $\geq 130$  mm.



## Operation Guide

### Brief Description of Control Interface:

The left side displays the screen name and selection area, showing online screen names. If multiple screens are in use, all active screen names will be displayed here. Click a screen name to view its status and control it.

The upper middle section is the screen status display area, showing the selected screen's name, IP address, and operating status:

Close = Retracted, Stop = Stopped, Open = Deployed.

The middle section is the action button area. Pressing a button sends the corresponding command to the screen, and the status display area updates in real time.

- Close** Retracts the screen into the housing.
- Stop** Stops the screen at its current position during ascent or descent.
- Open** Lowers the screen.
- Config** Enters the software configuration page.

If your control system supports IP commands, you can directly send commands to the screen (Direct IP Commands: IP Address + Command):

Screen Up: 192.168.1.2/close.js

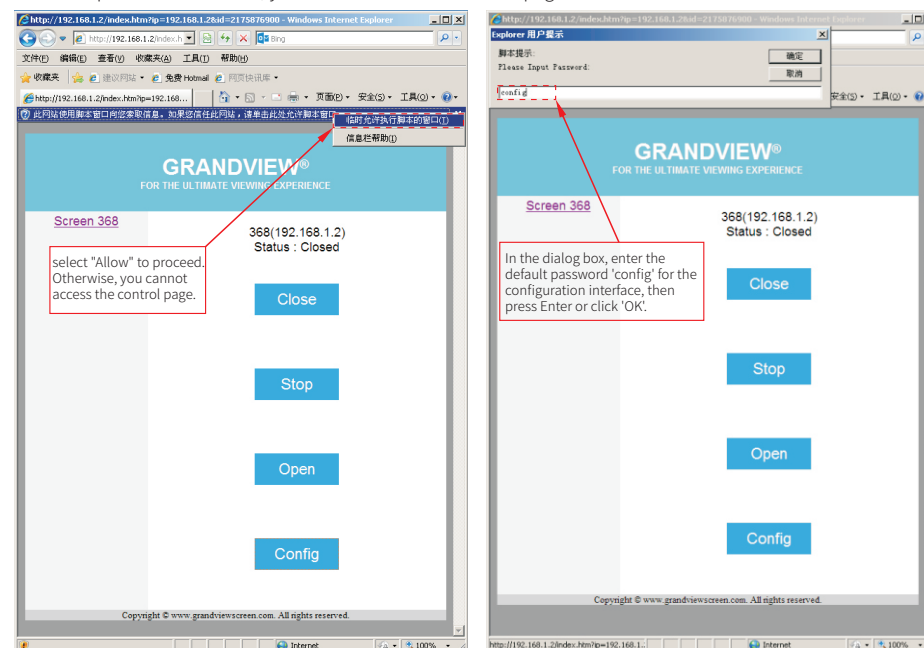
Screen Stop: 192.168.1.2/stop.js

Screen Down: 192.168.1.2/open.js

### 7g. Software Configuration:

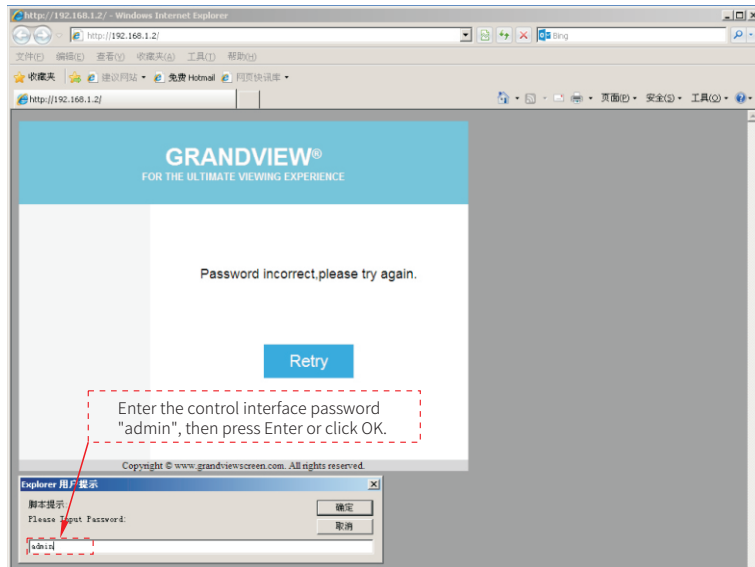
Click the "Config" button. A browser pop-up will prompt for the configuration interface password. Enter the default password "config" and press Enter or click "OK."

If the browser displays a message like "This website is using a script window to request information," select "Allow" to proceed. Otherwise, you cannot access the control page.

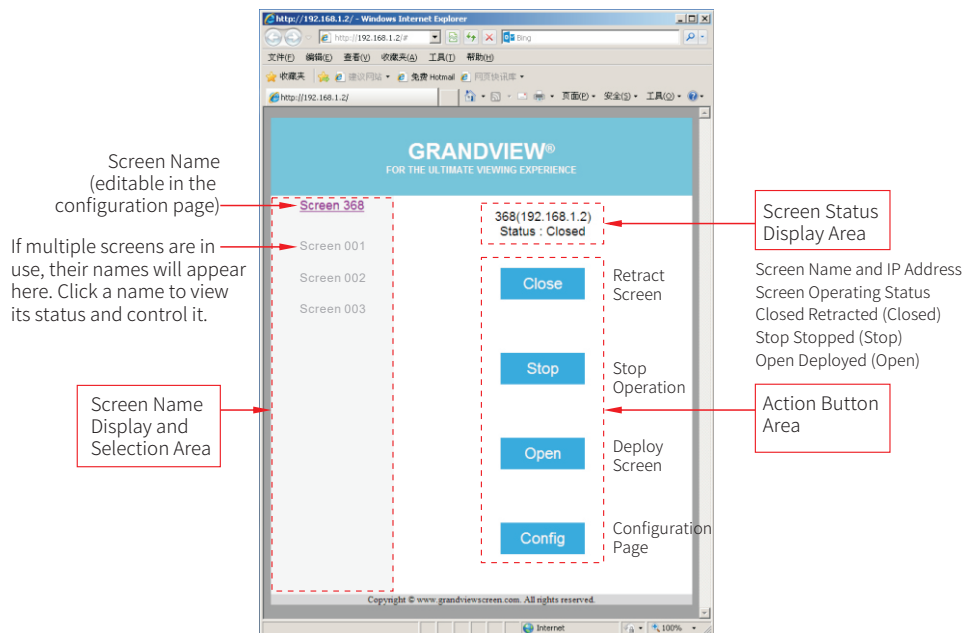


## Operation Guide

7e. When the browser pop-up appears, enter the control interface password "admin" and press Enter or click "OK."



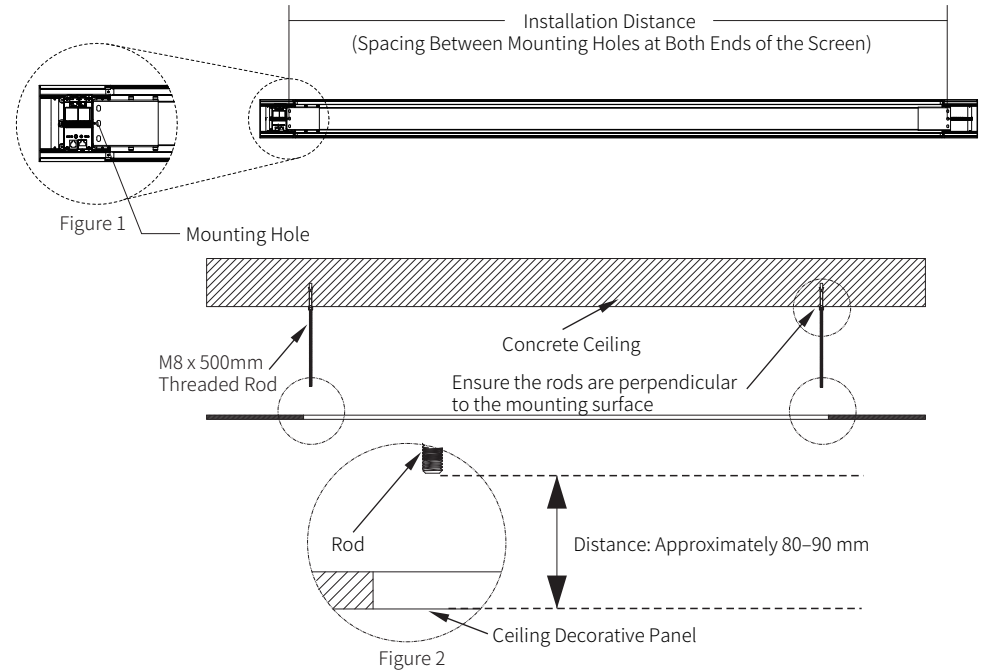
7f. After entering the correct password, the control interface will display as follows:



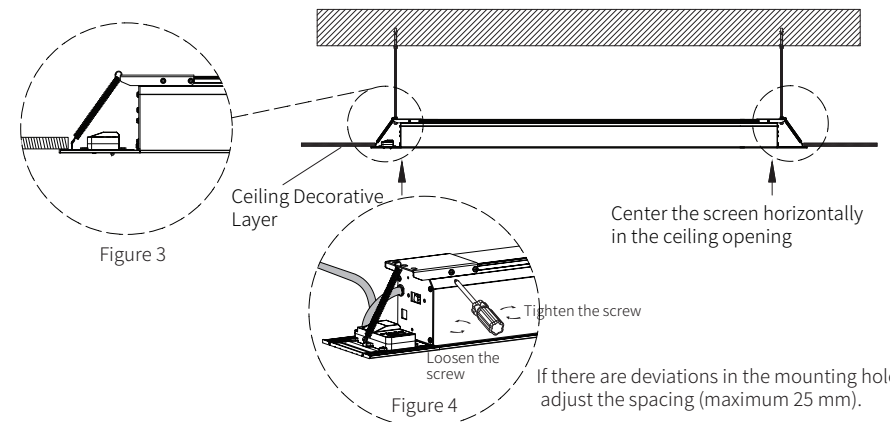
## Installation Methods

### Concrete Ceiling Installation:

1. Determine the installation distance based on the ceiling opening position and height. Drill vertical holes and insert expansion screws. Tighten the screws and secure the rods. Cut the rods to leave 80–90 mm between the ceiling and decorative surface (Figures 1–2).



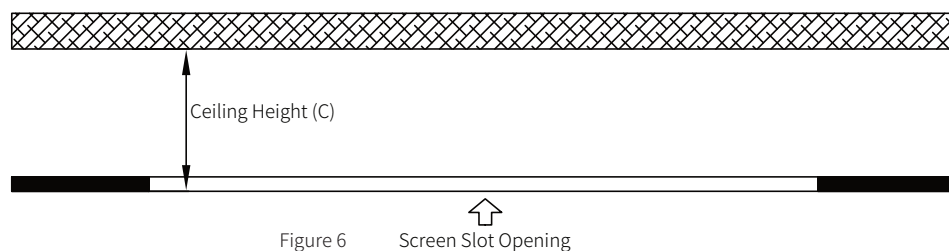
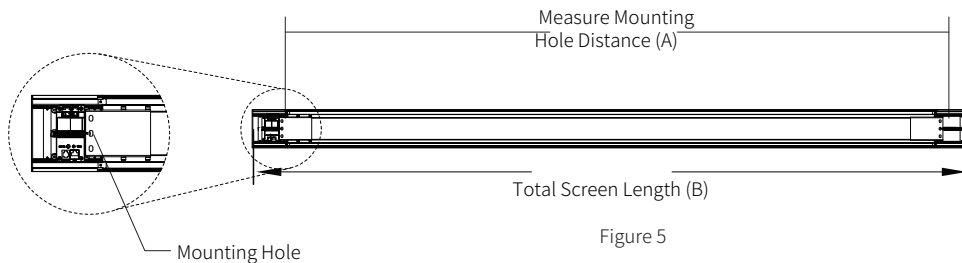
- Carefully lift the screen and align the rods with the mounting holes on both sides. Secure with nuts and washers. Tighten the nuts until the screen fits snugly against the ceiling (Figures 3–4).



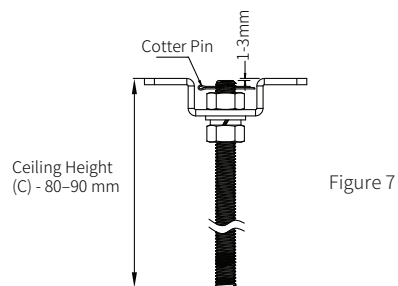
## Installation Methods

### Wooden Ceiling Installation (Reinforce Load-Bearing Areas):

- Measure the distance between the mounting holes (A) on the left and right brackets (Figure 5) and the ceiling height (C) (Figure 6).



- Rod Assembly Method: Secure the rods to the mounting plate's elongated holes using M8 nuts. Ensure the rod heads do not protrude from the plate. Drill holes for cotter pins to prevent nut loosening and accidents. Cut the rods to the required length based on ceiling height (Figure 7).



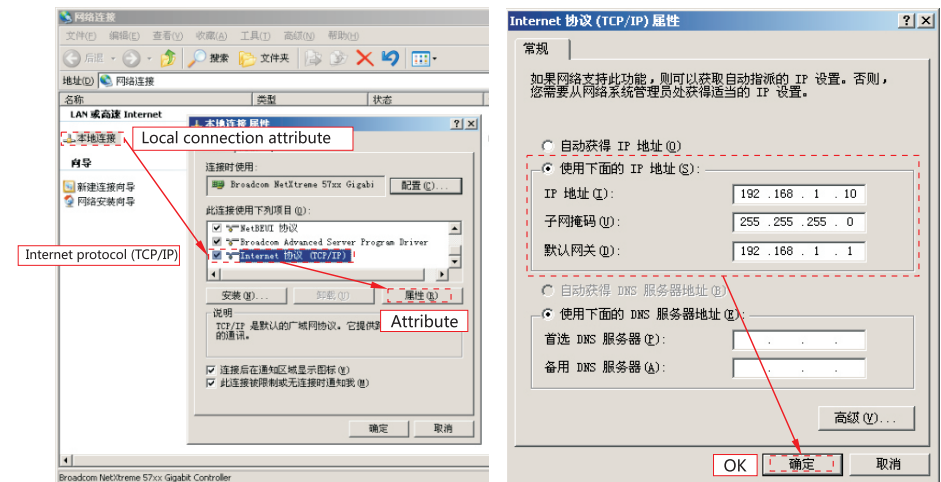
**Warning** The power cord connection and AC power installation must be performed by a qualified electrician. Otherwise, product damage, property loss, or personal injury may occur!

**[Note]:** Before powering on, confirm that the product's operating voltage matches the local supply voltage. The recommended power supply capacity should be at least twice the product's power rating. Using an incompatible power supply may cause malfunctions or damage!

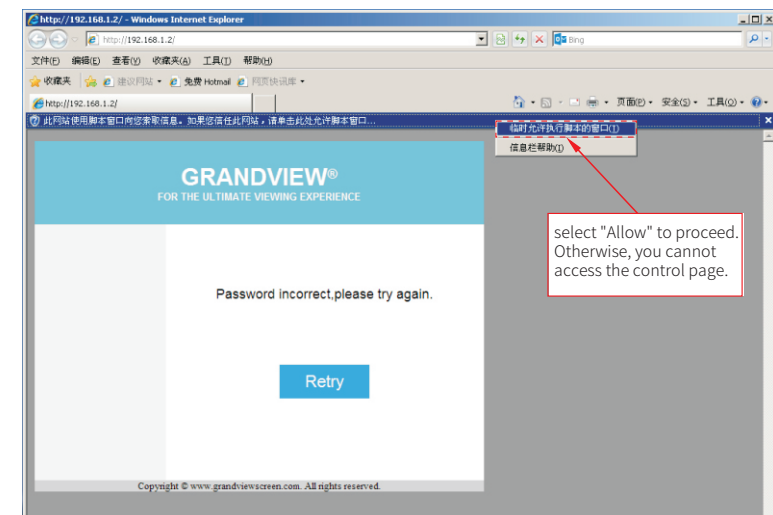
- Based on your preferred control method, connect the corresponding control plugs on the left end cover assembly (external infrared receiver, 12V trigger cable, RS-232/485 control cable for computer control, or RJ45 network cable for IP control).

## Operation Guide

7c. In the "Local Area Connection Properties" window, select "Internet Protocol (TCP/IP)" and click "Properties." In the IP address field, enter 192.168.1.10 (the last segment can be any number between 3-255). Enter the subnet mask (255.255.255.0) and default gateway (192.168.1.1). DNS can be left blank. Click "OK."



7d. Open an IE browser, enter "192.168.1.2" in the address bar, and press Enter to access the screen's control homepage. If prompted, allow script windows to proceed.



## 6. External Infrared Receiver or Wireless-to-Infrared Control

The external infrared control port (EXTIR) allows users to connect an infrared receiver with an extension cable for special installation or usage scenarios (Figure 24). This port can also connect to a wireless-to-infrared receiver (optional accessory). When paired with a wireless transmitter, it enables RF wireless control. With a wireless sync power controller, the screen can automatically deploy when the projector turns on and retract when it turns off (compatible with all projectors) (Figure 25).

## 7. Network IP Address Control (IP-Enabled Models Only)

IP-enabled models can connect to a LAN via the RJ45 port. Use a computer, smartphone, or tablet to control the screen's ascent, stop, and descent functions. Up to 20 screens can be controlled simultaneously in the same IP subnet. The LAN port is located on the top of the left end cover (Figure 26). It is a standard RJ45 (10/100Base) interface. The connection method is shown in Figure 27. When powered, the LAN port's green light will illuminate (Figure 28). After connecting to the LAN, the yellow light will illuminate, and the corresponding indicator on the computer or switch will light up. The yellow light flashes when receiving control data.

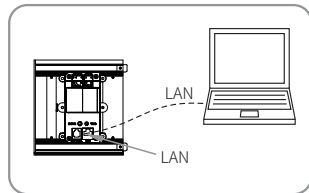


Figure 26

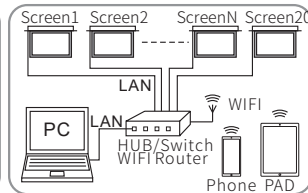


Figure 27

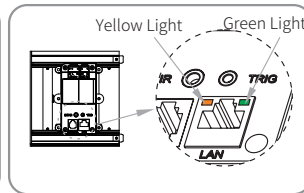
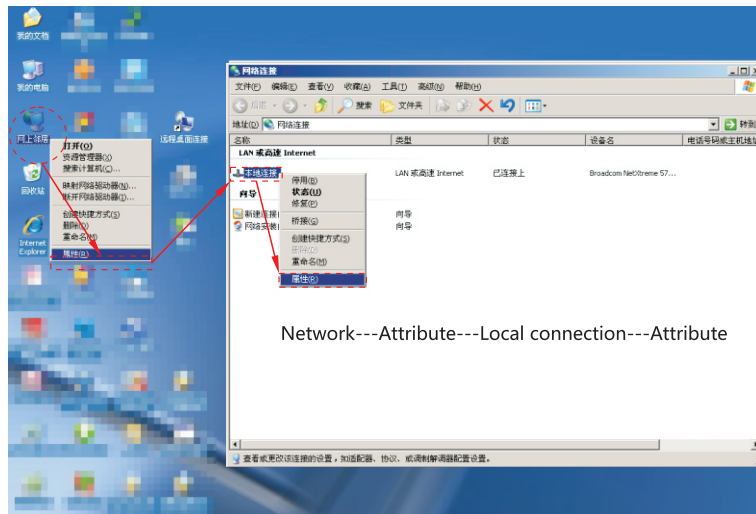


Figure 28

- 7a. Connect the Ethernet cable and ensure the network is active (yellow light on).
- 7b. Configure the control computer (Windows XP example): Right-click "My Network Places" on the desktop, select "Properties," then right-click "Local Area Connection" and choose "Properties."



- Connect the screen's power. Plug the motor cable from the left side into the "Motor" port on the left end cover assembly. Connect the included power cord to the "ACIN" port. Ensure secure connections, then plug the power cord into an AC outlet (Figures 8–10).

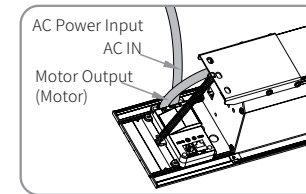


Figure 8

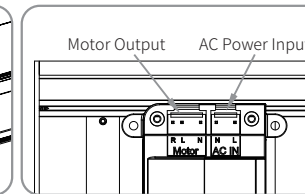


Figure 9

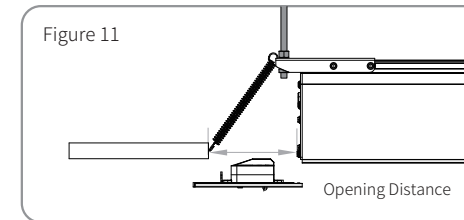
Corresponding Socket	Terminal Block	Wiring Definitions	Motor Wire Colors
AC IN	L	Power Phase	
	N	Power Neutral	
Motor	N	Motor Neutral	Blue White
	L	Motor Down	Brown Red
	R	Motor Up	Black Black

Figure 10

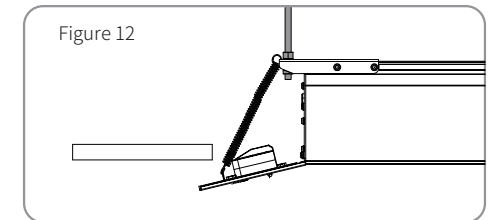
- Power on the screen. Avoid touching high-voltage parts (ACIN and Motor ports) during operation. Press the cycle button on the left end cover to test the screen's ascent and descent. If functioning correctly, power off the screen and proceed with installation.

## Decorative Cover Installation

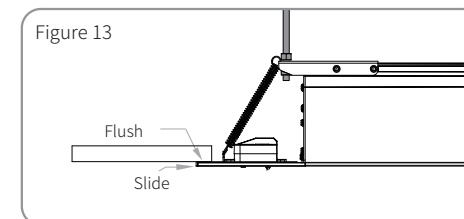
- Install the left decorative cover (with control board) on the power cord side (Figures 11–13). The right decorative cover installation is similar.



- ①Ensure sufficient opening distance. Gently pull the tension spring and hook it onto the decorative cover.



- ②Insert the left decorative cover's tabs into the housing slots.



- ③Align the cover with the ceiling and housing, then slide it flush against the housing end.



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

- Infrared remote control
- Manual switch control
- Dry-contact wall switch control
- RS-232/485 interface control
- 12V trigger control
- External infrared or wireless-to-infrared receiver control
- Network IP address control (IP-enabled models only)

## 1. Infrared Remote Control

AC-127 Infrared Remote Transmitter Button Functions:

1. "Up" button: Screen ascends.
2. "Stop" button: Screen stops.
3. "Down" button: Screen descends.
4. "Up Jog" button: Fine-tune screen ascent.
5. "Down Jog" button: Fine-tune screen descent.

### Remote Usage Notes:

1. Point the remote at the screen's left end cover infrared receiver (effective range: ~8 meters).
2. Remote effective angle:  $\pm 30^\circ$  from the transmitter axis (Figure 14).
3. Receiver effective angle:  $\pm 30^\circ$  from the receiver axis (Figures 15–16).
4. Do not block the remote's transmitter or screen's receiver.
5. Infrared signals travel in straight lines; ensure no obstructions.
6. Avoid humid or high-temperature environments.
7. Replace batteries if the remote range decreases or the indicator dims.

### Battery Installation:

When the remote signal weakens, replace the batteries (2x CR2032 button cells). Do not mix old and new batteries.

1. Turn the remote over and slide the battery cover open.
2. Insert batteries according to the polarity markings.
3. Close the battery cover.

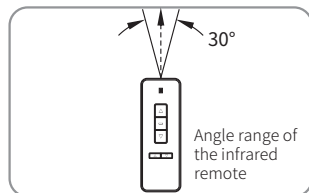
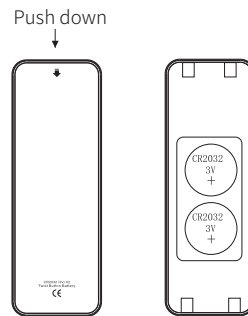
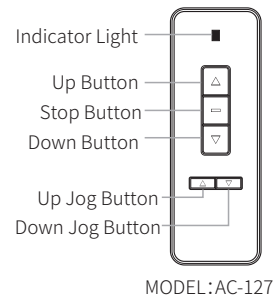


Figure 14

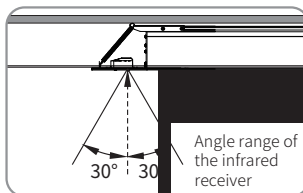


Figure 15

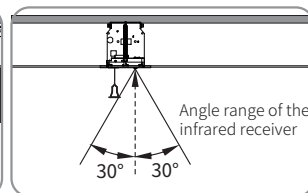


Figure 16

## 2. Manual Switch Control

A cycle button is located on the lower left end cover (Figure 17). Each press cycles the screen through descent, stop, and ascent.

External Control (Dry Contact or RS-232, Wall Switch):

Connect the signal cable's RJ45 end to the "EXT CTRL" port on the left end cover (Figures 18–24). Use a wall switch, control system, or computer to control the screen's ascent, stop, and descent. The control interface layout is shown in Figure 20, and the cable wiring is in Figure 21.

## 3. Low-Voltage Dry Contact Wall Switch (Optional) (Figure 20)

## 4. RS-232/485 Interface Control

Connect the "EXT CTRL" port to a computer or control system's RS-232/485 port (Figure 21). Send commands to control the screen (Figure 22).

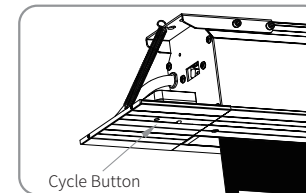


Figure 17

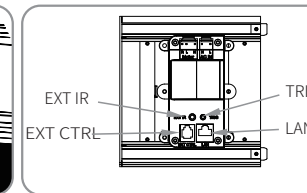


Figure 18

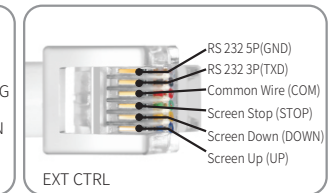


Figure 19

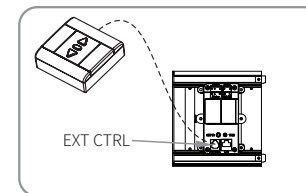


Figure 20

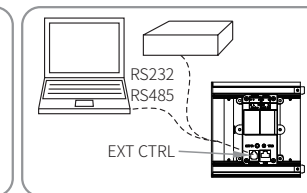


Figure 21

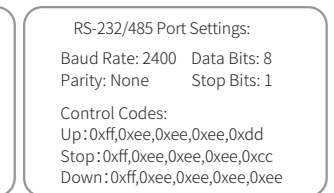


Figure 22

## 5. 12V Trigger Control

Connect the trigger cable (optional) to the "TRIG" port on the left end cover and the projector's 12V output (Figure 23). The screen will deploy when the projector turns on and retract when it turns off.

Note: Verify that your projector has a 12V trigger output (consult the projector manual).

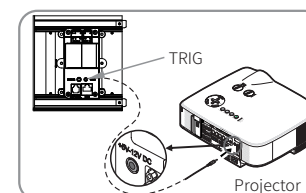


Figure 23

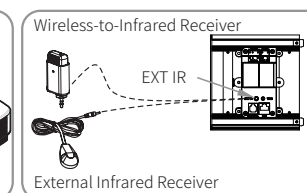


Figure 24

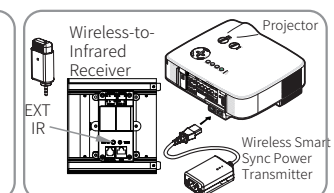


Figure 25