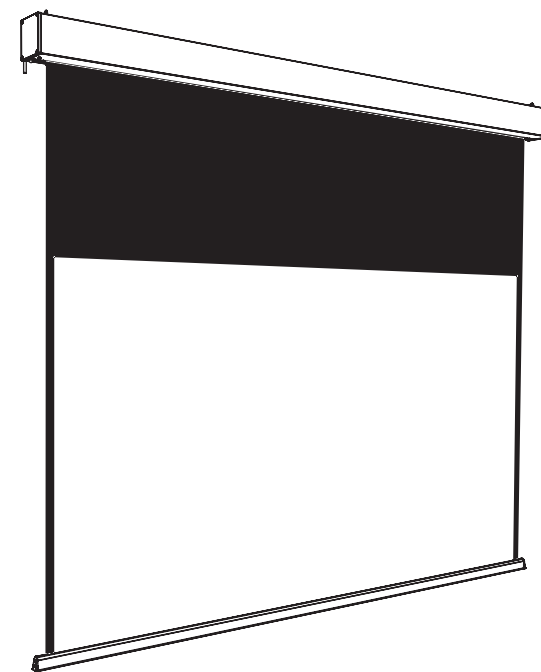


Grandview®

Fancy B II Series Motorized Screen Instruction Manual

MODEL : FC-MF xxxB II、FC-MI xxx B II

Grandview®



Guangzhou Grandview Creative Technology Co., Ltd
Add: No.1 Building of No.43 South International Trade Avenue, HualongTown,
Panyu District, Guangzhou China.
Tel: +8620-8489-9499 Fax: +8620-8480-5299
Web: www.grandviewscreen.com



Thank you for choosing Gandview products.
Please read the manual carefully before installation and use.

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:
 1. Do not touch the screen surface with your hands.
 2. Do not write or draw on the screen surface.
 3. Do not puncture or scratch the screen fabric with fingers or sharp objects, as this may cause permanent damage.
 4. 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.

 Warning	 Mandatory
 Do Not Hang Objects	 Mandatory
 Do Not Disassemble	

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.

Operation Guidelines

D. 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. 32).

E. DC12V Trigger Control

For DC trigger control via RJ45 8P8C connector: Pin 6 = DC 12V+, Pin 7 = DC 12V- (see Fig. 32).
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	6	7
Function	RS485-B RS232-GND	RS485-A RS232-TXD	STOP	UP	DOWN	12V+	12V-

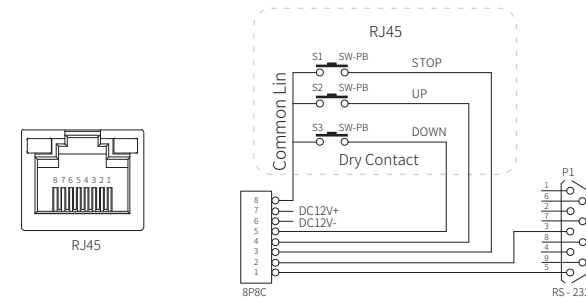


Figure 32

Operation Guidelines

● Electronic Limit Setting (Infrared Remote Control)

Open the back cover of the infrared remote control. Use a pin to briefly press the “Set” button on the back of the remote control (see Fig. 28). The blue LED will flash once, and the screen will jog up and down once to indicate that setting mode has been activated.

1. Lower Limit Setting

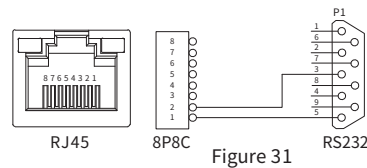
After entering setting mode, lower the screen to the desired position and press the Stop button. Then press the Stop and Down buttons simultaneously. The screen will jog up and down once to confirm that the lower limit has been set.

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.

C. 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 31.

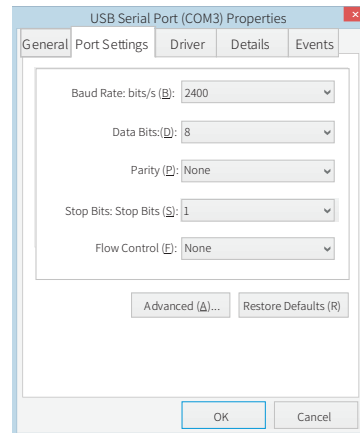


RS485/RS232 port settings:

- 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)



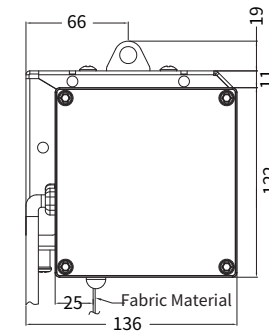
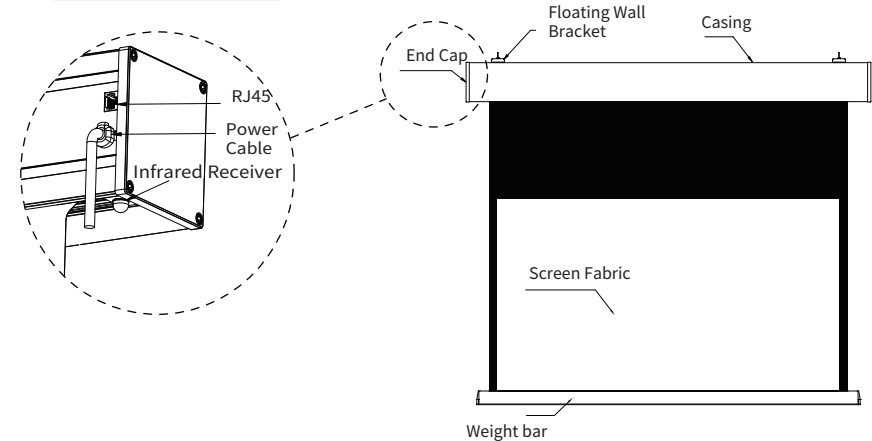
Note:

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

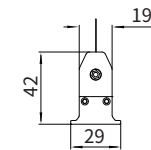
The wiring loop resistance should be less than 20Ω.

Do not run wiring parallel to strong interference sources.

Screen Structure

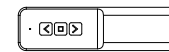


Side view of the casing

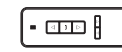


Side view of the weight bar

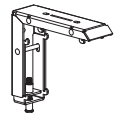
Accessory Diagram



- Wireless Remote Control (1 piece) (Standard for FC-MF)



- Infrared Remote Control (1 piece) (Standard for FC-MI)



- Installation Bracket (2 pieces)



- Floating Wall Bracket (2 pieces)



- Ø5x40mm Self-tapping Screws and Expansion Glue (6 pieces)



- Ø5x10mm Machine Screws (4 pieces)

- Instruction Manual (1 piece)

Installation Steps

1. Open the package, check if the necessary parts are complete according to the accessory diagram in the manual, then carefully remove the required parts from the package and place them in the proper location. Follow the instructions below to proceed with the installation.

2. This product can be installed using either a sliding backplate bracket or a suspension backplate bracket. The installation distance can be adjusted by moving the backplate or suspension bracket according to the site requirements. The ideal installation position is to place the bracket as close as possible to both ends of the casing, which helps reduce vibration and noise.

I . Sliding Backplate Bracket Installation Method

1. Based on your needs, choose wall installation or ceiling installation. (Recommendation: If the wall or ceiling is made of wood, use wood screws; if it is made of concrete, use expansion bolts)

2. Install the bracket on the surface corresponding to the back or top of the screen, ensuring that both left and right brackets are aligned horizontally.

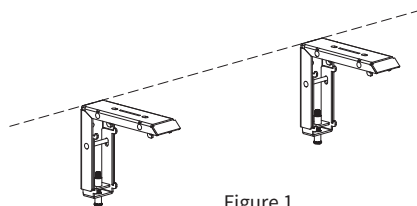


Figure 1

Installation Methods:

a. Installation on Wooden Walls or Ceilings:

Insert two Ø5x40 self-tapping screws through the corresponding holes in the back or top of the mounting frame, and secure them to the wall or ceiling. (As shown in Figures 2- 3)

b. Installation on Concrete Walls or Ceilings:

Choose 2 Ø5x40 self-tapping screws. First, drill several appropriate holes in the concrete wall or ceiling, then insert expansion plugs into the holes. Next, insert the Ø5x40 self-tapping screws through the corresponding holes in the back or top of the mounting frame, and secure it to the wall or ceiling. (As shown in Figures 4- 5)

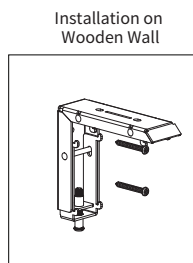


Figure 2

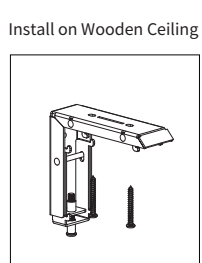


Figure 3

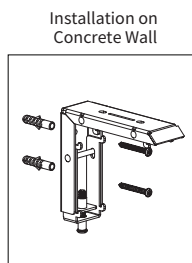


Figure 4

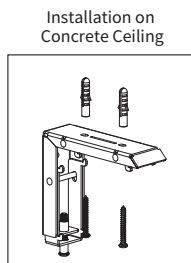


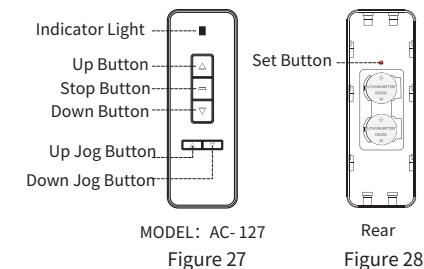
Figure 5

Operation Guidelines

B. Infrared Remote Control

AC- 127 Infrared Remote Control Button Functions: (Figure27 - 28)

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.



MODEL: AC- 127
Figure 27

Rear
Figure 28

● Remote Usage Notes:

1. Point the remote at the screen's left end cover infrared receiver (effective range: ~8 meters).
2. Do not block the remote's transmitter or screen's receiver.
3. Infrared signals travel in straight lines; ensure no obstructions.
4. Avoid humid or high- temperature environments.
5. Replace batteries if the remote range decreases or the indicator dims.

● Battery Installation:

When the remote signal weakens, replace the batteries

(2 x CR2032 button cells). Do not mix old and new batteries.

1. Turn the remote over and slide the battery cover open (Figure 29) .
2. Insert batteries according to the polarity markings (Figure 30) .
3. Close the battery cover.

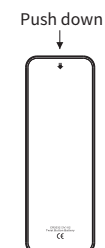


Figure 29



Figure 30

Operation Guidelines

● Remote Control Battery Installation

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

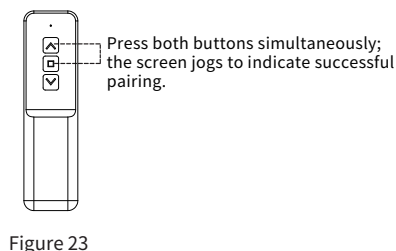


Figure 23

● Electronic Limit Setting (Wireless Remote Control)

Open the back cover of the wireless remote control. Briefly press the “S1” button on the back of the remote control (see Fig. 24). 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. 25)

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. 26)

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 2 seconds for continuous movement.
- If no operation is performed within 30 seconds, the system will automatically exit setting mode.

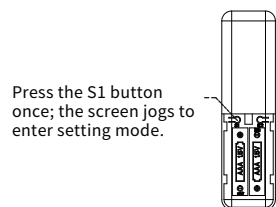


Figure 24

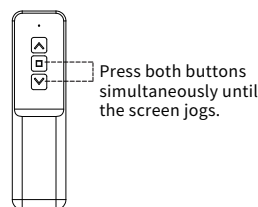


Figure 25

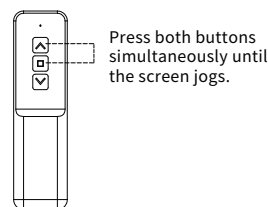


Figure 26

Installation Steps

3. Before installation, loosen the crosshead screw counterclockwise to release the vertical locking hook and slide it downward toward the edge of the elongated slot. Then, slide the horizontal locking block outward to the outer edge. (See Figures 6–7)

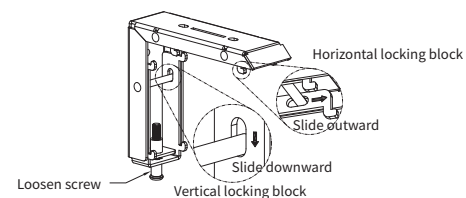


Figure 6

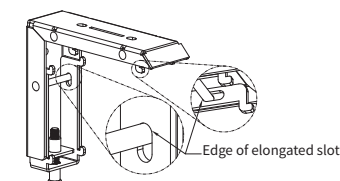


Figure 7

4. Carefully raise the screen housing and align it with the horizontal locking groove on the mounting bracket (see Figure 8). Insert the top of both brackets into the notches on the screen housing until the brackets sit flush with the top panel (see Figure 9). Then, push the screen toward the wall so that the locking hook clicks into the rear groove on the housing. Verify that the screen is fully seated and flush against the mounting surface. (See Figure 10)

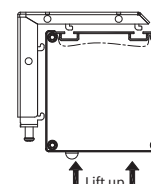


Figure 8

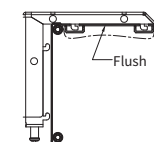


Figure 9

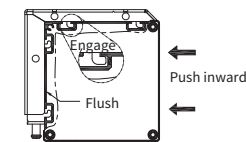


Figure 10

5. Gently press the screen housing, then horizontally adjust the screen to the center of the mounting brackets. Next, tighten the cross- head screws clockwise until the vertical locking hooks on the mounting bracket fully secure the housing, thereby completing the screen installation. (Refer Figures 11-12)

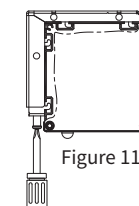


Figure 11

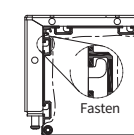


Figure 12

II. Suspension Installation Method

Based on the ceiling material, choose the appropriate expansion screws (not provided) or other installation screws with hooks (not provided). (Recommendation: If the ceiling is made of wood, use Ø5x40 self-tapping screws; if it is made of concrete, use expansion screws.)

1. Drill two appropriately sized holes in the ceiling with a drill, ensuring that the line formed by the two holes is parallel to the wall. Insert two expansion screws with hooks (not provided) into these holes. (As shown in Figure 13)

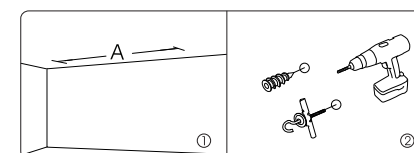


Figure 13

Installation Steps

2. Slide the suspension bracket through the top slot of the sliding backplate, then secure it with M5 x 10 screws in the sliding backplate. (As shown in Figures 14-15) (Note: The screws must be tightened) Then adjust the hook of the plate to the open position (Figure 6-7)

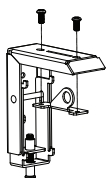


Figure 14



Figure 15

3. ①Raise the screen housing and lock the horizontal hook of the hanging board into the top groove of the housing. ②Push the back of the hanging board and place the vertical hook in the rear groove of the housing. Slide the hanging board left and right to equal the spacing of the hooks, then secure the cross screws to complete the pre-assembling for suspension (Figure 16-17).

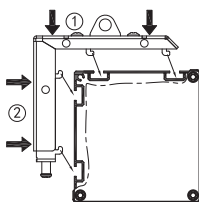


Figure 16

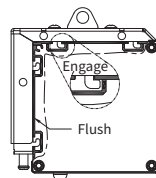


Figure 17

4. Hang the screen on the suspension hook, then check the hook's safety. If needed, take proper precautions to prevent the screen from accidentally sliding off the hook. (As shown in Figure 18)

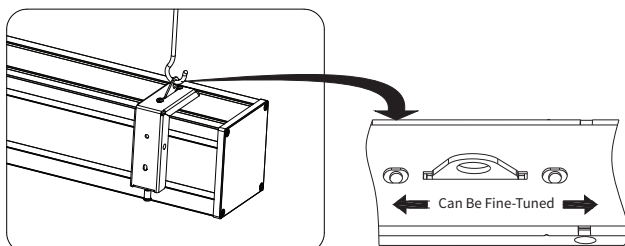


Figure 18

Operation Guidelines

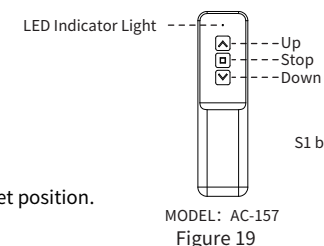
This electric projection screen supports multiple control methods. Choose the one that suits your needs:

- A. Wireless RF Remote Control
- B. Infrared Remote Control
- C. RS485/232 Control
- D. Dry Contact Control
- E. DC12v Trigger Control

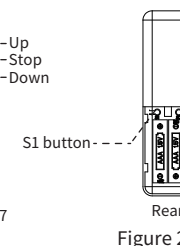
A. Wireless RF Remote Control

AC157 Wireless 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.



MODEL: AC-157
Figure 19



Rear
Figure 20

RF Remote Operating Instructions

1. Operating Frequency: 433.92 MHz
2. Operating Temperature Range: -20°C to +70°C
3. Battery Type: Two AAA 1.5V dry batteries
4. Battery Replacement: Replace the battery promptly when the remote signal becomes weak to ensure proper operation.

Remote Control 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 21).
2. Insert the battery according to the indicated polarity (Figure 22).
3. Close the battery cover.

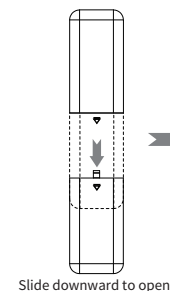


Figure 21

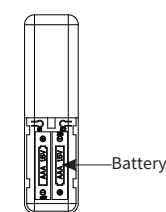


Figure 22