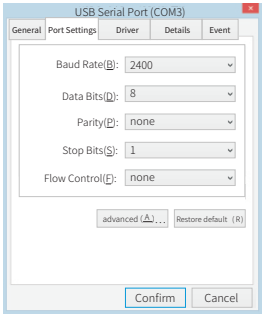
RS485 / RS232 Port Configuration:

- Data Bits: 8
- Start Bit: 1
- Stop Bit: 1
- Baud Rate: 2400



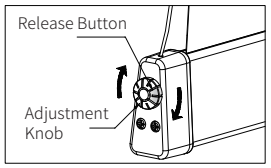
- UP: FFEEEEEEEE
- STOP: FFEEEEEECC
- DOWN: FFEEEEEEDD
- Some central control systems may require setting address code: FFEEEEEEAA
- Learning address command: FFXXXXX XAA
  (XXX represents any hexadecimal characters except E and 5)

Notes:

- If the screen cannot be controlled via RS232 or RS485, swap the two control wires. The circuit resistance should be less than 20Ω.
- Do not route signal cables alongside strong electromagnetic interference sources.
- Serial port settings: 2400 bps, no parity, 8 data bits, 1 stop bit. Each command must be sent twice in succession.

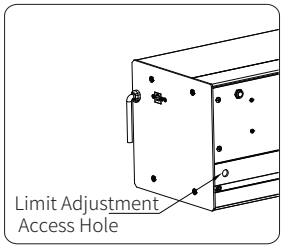
Screen Tension Cord Adjustment

During transport, tension cords may become loose. Rotate the knob clockwise to tighten. If overtightened, press the release button and rotate counterclockwise to loosen.



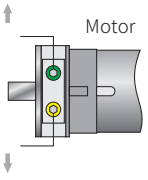
Mechanical Limit Adjustment:

- If site conditions require a change to the screen's travel limits, you may use the motor limit adjustment tool to rotate the limit dials on the motor.
The limit adjustment knob are located inside the Ø12 access hole near the power cord outlet.



Green Knob
Deployment Height (Lower Limit)
Turning clockwise, retraction (Raise)
Turning counter-clockwise, extension (Lower)

Yellow Knob
Retraction Height (Upper Limit)
Turning clockwise, extension (Lower)
Turning counter-clockwise, retraction (Raise)



Important Safety Notes:

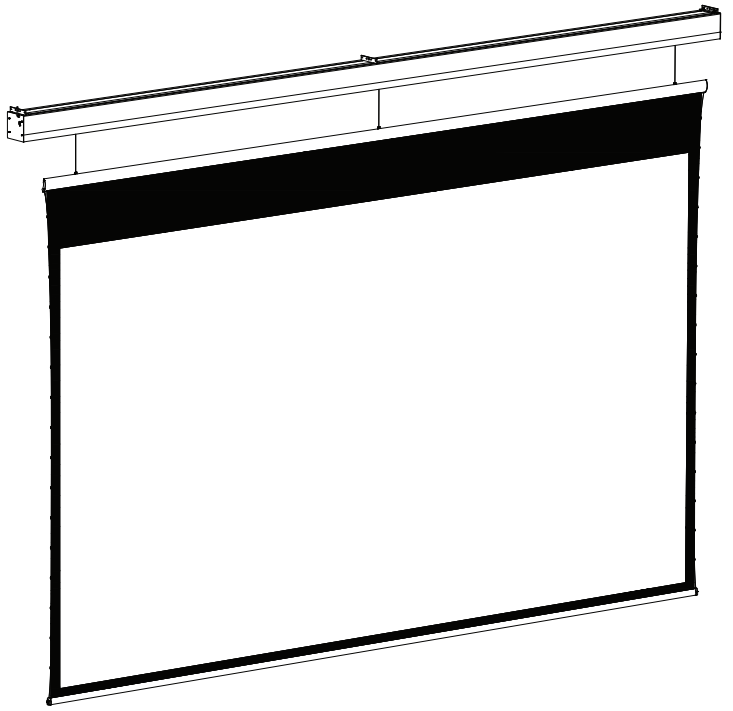
- To ensure accuracy and safety, after every half-turn of the limit adjustment dial, raise and lower the screen once to verify the new position.
- Be extremely careful when adjusting the retract (upper) limit. Over-adjustment may cause the bottom bar to jam inside the housing, potentially damaging the screen or causing the bar to fall.
- Take caution when adjusting the drop (lower) limit. Make sure the cable extension stays within 5 meters—exceeding this range may cause the cable drum to reverse, preventing the screen from retracting.
- Electrical Specifications: Voltage: AC220~230V / 50–60Hz,Current: 1.5A .
- RF Remote Control Specs: Voltage: 3V (2 × CR2032 Batteries), Frequency: 868MHz, Effective Control Distance: approx. 15 meters

Guangzhou Grandview Creative Technology Co., Ltd.
Add: No.43 S, Guomao Ave.Hualong,Panyu,Guangzhou,Guangdong,P.R.
Tel: +8620-8489-9499 Fax: +8620-8480-5299
Web: www.grandviewscreen.com

Grandview®

SkyShow Motorized Tab-Tensioned Screen Installation & User Manual

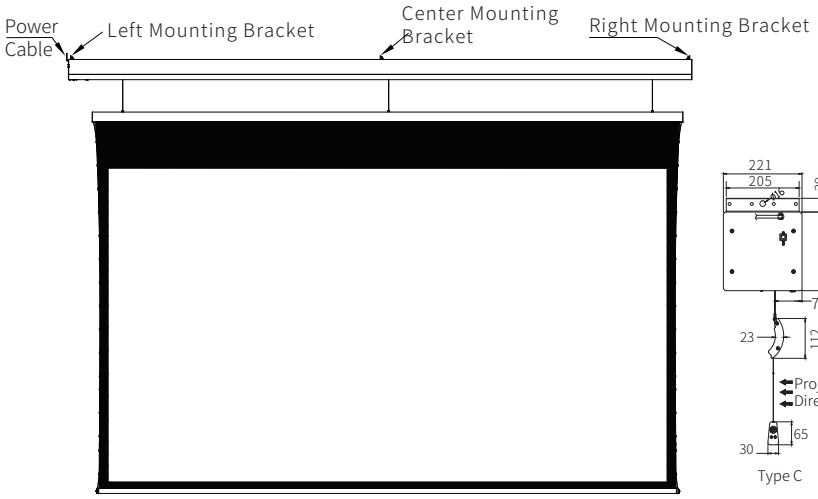
Model: Integrated RF remote Control / SK-MFXXX(C3)(AGWW) REV Type C
Integrated RF remote Control / SK-MFXXX(D2)(AGWW)REV D



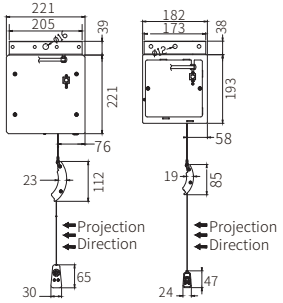
Important Notice

- Thank you for choosing Grandview. Please read this manual carefully before installation and keep it for future reference.
- This product must be installed by qualified personnel after evaluating safety factors such as site conditions, power supply, and structure.
- Before powering the screen, be sure to remove all adhesive labels from the bottom bar and casing.
- Do not disassemble or replace original components without authorization. Contact our service department in case of malfunction.
- Do not operate the screen if the tension cords are slack or the fabric is not hanging naturally.

Screen Structure



*Only included for screen overheight is 6 meters or longer



Side View

Accessories

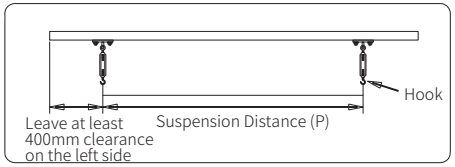
■ Motor Limit Key (1 pc) ■ RF Remote Control (1 pc) ■ User Manual (1 pc)

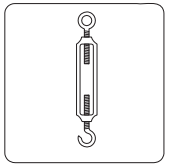
Installation Instructions and Precautions

• **Note:** Due to structural design, the screen fabric is not centered in the housing. Type D is offset 104 mm to the right, and Type C is offset 90 mm. Please consider this when determining mounting hole locations. We also recommend reserving 0.4 meters on the power cable side for future maintenance access.

Ceiling Suspension with Hooks

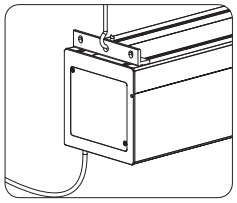
• Measure the horizontal distance between the mounting brackets (adjustable within range), and determine the mounting location based on product length. Install evenly spaced and stable ceiling hooks into solid concrete. Adjustable hooks are recommended.

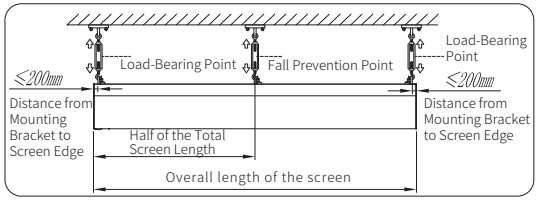




• Attach the hooks to the center holes of the left, center, and right brackets, and adjust the length to level the screen.

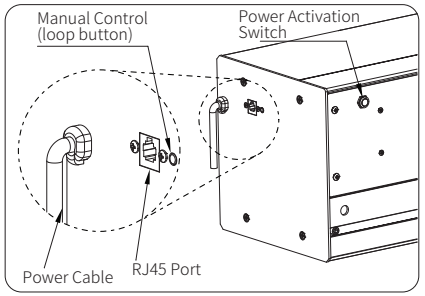
Note: Left and right brackets bear the main load. The center bracket is auxiliary and only required when the housing length is ⩾ 6 meters.





Screen Control Options

Warning: A startup button is included to protect the internal tension cable system. Please completely remove the yellow tape securing the screen before powering on. Failure to do so may cause damage or pose safety risks.

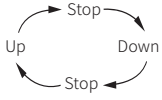


Supports five control methods:

A. Manual Control (loop button)
B. RF Remote Control
C. Dry Contact Control
D. RS485 or RS232 Control
E. DC12V Trigger Control

A. Manual Control

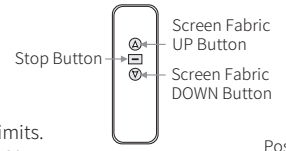
The manual button is located at the left end of the screen casing (near the RJ45 port) and operates in a loop mode.



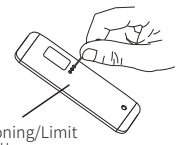
Circular

B. RF Remote Control

- Press the UP button to raise the screen.
- Press the STOP button to stop the screen.
- Press the DOWN button to lower the screen.
- PoPosition Set Key : Short press to set electronic travel limits. Long press (5 seconds) to reverse UP and DOWN directions.



RF Remote Control



Positioning/Limit Set Button

Pairing / Unpairing (Pre-paired at factory)

Method 1:
Press and hold the manual loop button for 3 seconds to enter pairing mode. After screen jogs once, within 10 seconds, press the DOWN and STOP buttons on the remote simultaneously to confirm pairing. Repeat the same process to unpair: odd attempts pair, even attempts unpair.

Method 2:
Disconnect the screen from power for 10 seconds, then reconnect.
Within 10 seconds of restoring power, press the DOWN and STOP buttons on the remote control simultaneously. The screen will jog once to confirm successful pairing.
Repeat the same procedure to unpair: odd-numbered attempts pair, even-numbered attempts unpair.

Electronic Travel Limit Setting (Screen limits can be configured via remote control)

Limit Setting Instructions

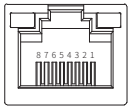
• To set the upper limit: Press the Position Set button (LED on) → Press UP → Move to desired position → Press STOP → Press Position Set again (LED off). The upper limit is now saved.

• To set the lower limit: Press the Position Set button (LED on) → Press DOWN → Move to desired position → Press STOP → Press Position Set again (LED off). The lower limit is now saved.

C. Control via Dry Contact, RS485, RS232, or DC12V Trigger:

RJ45 Pin Function Table								
Pin Number	1	2	3	4	5	6	7	8
Function	RS485-A RS232-TXD	RS485-B RS232-GND	STOP	UP	DOWN	12V+	12V-	Common Lin

Connection diagram



RJ45