

Grandview[®]

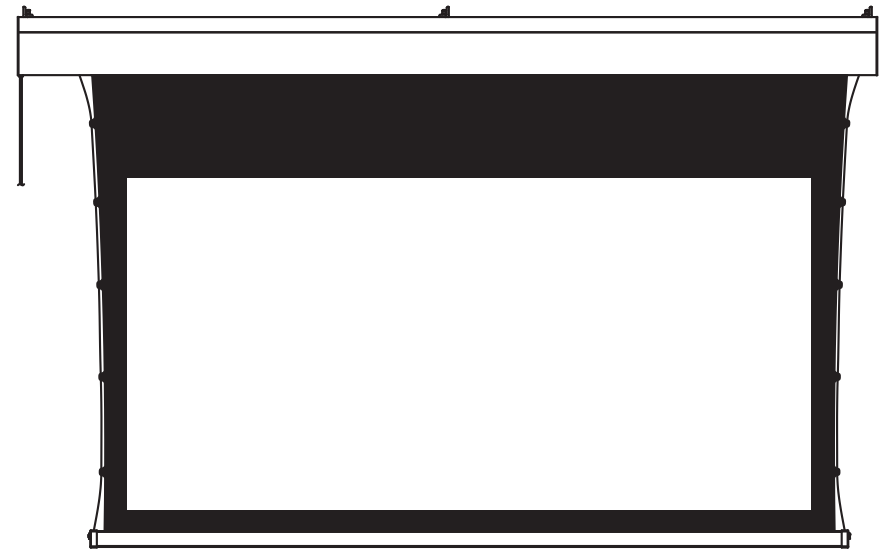
Large Stage MAIII Tab-Tension Screen Installation Manual

Model:

External Motor – Wireless Control LS-MAFIIIxxx (xGxx)

External Motor – Wired Control LS-MAIII (xGxx)

Grandview[®]

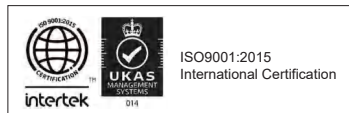


Reminders

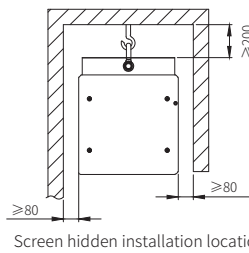
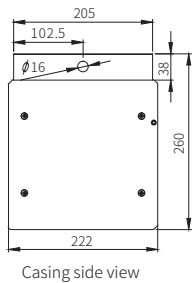
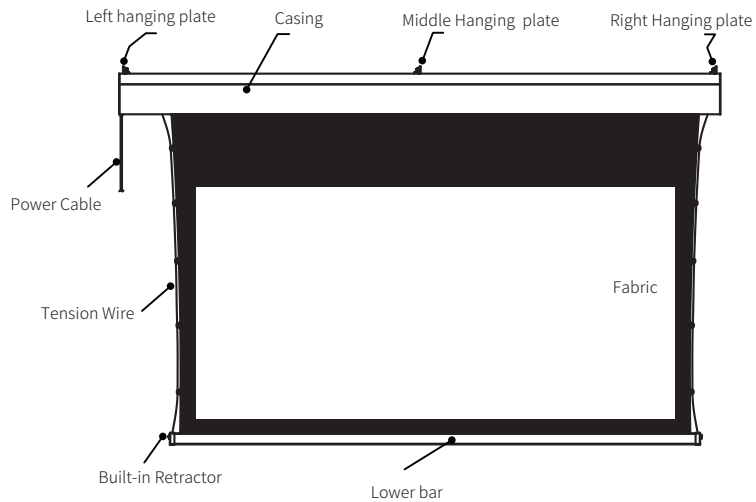
- Thank you for purchasing Grandview products. Please read the instructions carefully before installation and use, and collect it after reading for future use;
- This product must be installed by qualified professionals who evaluate the feasibility of the environment, electricity, structure, etc;
- Do not disassemble or replace the original spare parts at will: If there is any fault, please contact the after-sales service department.

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Screen structure



Accessories

- Motor adjustment tool (1)

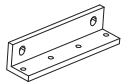


- Shackle(3)



- Instruction manual (1)

Optional accessories



- Screw fixed hanging plate M8*30



- Screw bolt



- Non-slip nut M8

How to use the remote control (optional) to control the power switch:

This product comes standard with manual switch control. If you need to use the remote control, please upgrade and install an external remote control kit (you need to cut off the manual switch and replace it with an external remote control kit, see Figure 17-18). Please refer to the manual of the external remote control kit for wiring method and instructions, and the size of the kit is shown in Figure 19.

The corresponding model of the external remote control kit is: external infrared remote control kit (2nd generation), model: 1GD-IRAnII

External RF wireless remote control kit (2nd generation), model: 1GD-868MnII.

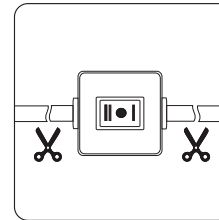


Figure 17



Figure 18

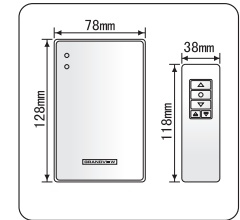


Figure 19

Adjusting method of fabric retracting (upper limit) and unfolding (lower limit):

If it is really necessary to adjust the limit height due to the installation environment or site limitation, you can use the motor positioning adjustment key to rotate the knob on the motor limiter; Just remove the baffle at the power end to find the position of the motor. (Figure 20)

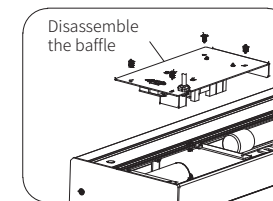
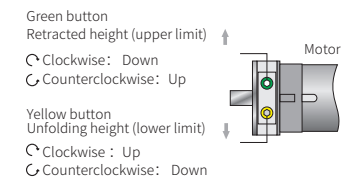


Figure 20



Pay attention:

In order to ensure the accuracy and safety of the screen position, the screen must be raised and lowered every half circle of the button to check whether the position is moved correctly!

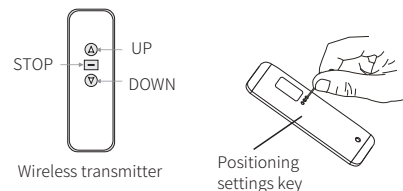
Be especially careful when adjusting the height of the screen recovery. Excessive adjustment will cause the lower rod to jam into the shell and cause serious consequences such as damage to the screen or falling of the lower rod!

Be careful when adjusting the unfolding height of the curtain. Always keep the curtain wrapped around the rotating tube with 1.5 turns or more to ensure that the curtain will not fall.

Electrical parameters: voltage AC220~230V/50-60Hz, current 1.5A.

Wireless control:

- Press the up button, the screen will rise.
- Press the stop button, the screen stop.
- Press the down button, the screen down.
- Positioning Button: Short press positioning button to set the electronic travel limit. Press and hold for 5 seconds to swap the functions of the Up and Down buttons.



Code pairing / deleting :

Long press the cycle button for 3 seconds, the screen is jogged once to enter the code-matching state; within 10 seconds, the remote control up and stop buttons are also pressed, and the screen is jogged again to complete the code-matching; the code deletion is the same as the code-matching operation, odd times The operation is code pairing; even code deletion.

Operation method:

Upward stroke setting: Positioning setting key (light on) → Up key → Up and down remote control to the desired position → Stop → Positioning setting key (light off) → Upward travel record success

Downstroke setting: Positioning setting key (light on) → Down arrow key → Remote control up and down to the desired position → Stop → Positioning setting key (light off) → Downstroke recorded successfully

Standard Model – Operating Instructions

The standard motorized projection screen offers two control options: manual switch control and remote control (manual switch control is supplied as standard).

Manual Switch (Figure 14)

1. Tear off the glue cloth fixed on the bottom rod, ensure the bottom rod is not stuck by the casing.
2. Connect to a power source (Please make sure it is the right voltage).

To Lower the Screen: (Refer to Figure 15)

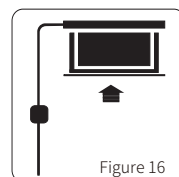
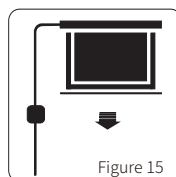
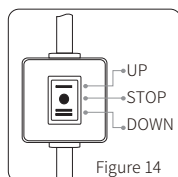
Turn the switch to position " ▢ " to lower the screen; it will come down slowly. When it is all the way down, it will stop automatically

To Raise the Screen: (Refer to Figure 16)

Turn the switch to position " — " to lower the screen; it will go up into the metal casing. When it is all the way up, it will stop automatically.

To Stop the Screen at Any Position: Press the stop button.

To stop any time while the screen is in motion, turn the switch to " ● " .



Installation method and attention

Note: Due to structural reasons, the position of the screen is not the center of the screen, but is offset to the right by about 81mm. This should be taken into account when determining the location of the mounting hole; in addition, it is recommended to keep a distance of 1 meter from the side of the screen power cord for future maintenance.

Suspension Installation(standard configuration):

Measure the horizontal spacing of the hanging boards and the length of the product to determine the installation position of the screen. Install a stable hook on a solid concrete ceiling. It is recommended that the hook type be adjustable. (Figure 1-2)

(When the screen length is $\geq 6m$, 3 hangers are standard)

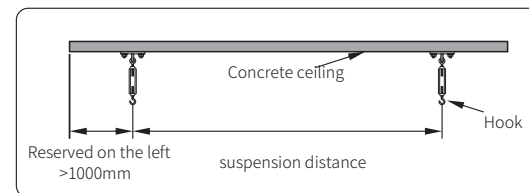


Figure 1

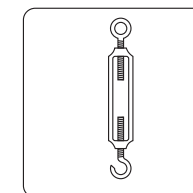


Figure 2

Hook the hooks on the shackles of the left, middle and right hanging plates respectively, adjust the length of the hooks to the screen level, and complete the lifting. (Figure 3-4)

(Note: the left and right hanging boards are the main stress points ,try to stay aside, and the middle hanging boards are the secondary stress points)

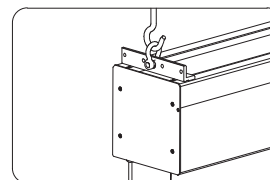


Figure 3

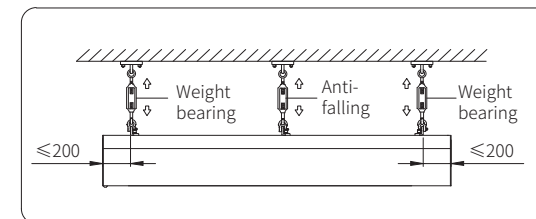


Figure 4

Screw rod fixed hoisting (optional):

If the customer requires, you can purchase screw fixing hangers and accessories to fix the screen; method: use M8 bolts and nuts to connect the screw fixing hangers to the outside of the left and right hangers. (Figure 5-6)

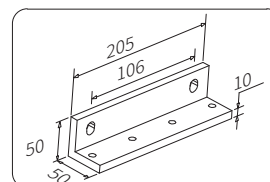


Figure 5

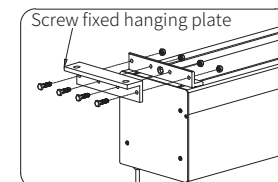


Figure 6

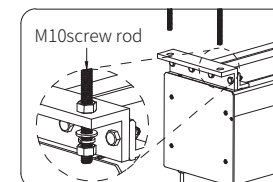


Figure 7

Screw mounting: measure the distance between the four oblong holes on the left and right hanging plates respectively, install M10 screw rods directly above the corresponding holes to connect the left and right hanging plates, install an adjustable hook on the middle of the screen to connect the middle hanging plate, and adjust the screws The position of the screen to make the screen to a horizontal state, complete the installation of the screen. (Figure 8)

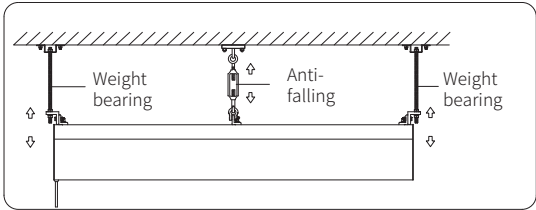


Figure 8

Motor Replacement Procedure:

Retract the screen fully before starting the replacement procedure.
Use tape to secure the bottom weight bar, preventing the roller tube from rotating freely.
Remove the end cap and the decorative cover assembly on the power cable side.
Loosen and remove the M6×25 hex socket screws securing the motor mounting plate.
Carefully pull out the motor and proceed with the replacement. (Figure 9)

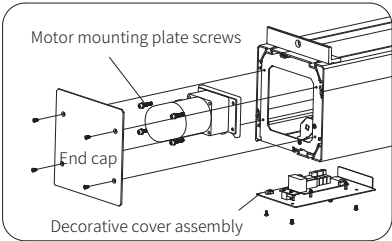


Figure 9

How to adjust tension situation of the string

If the string is loose which is caused by bump on transportation or faulty operation (Figure 10), please rotate the String Adjustment Knob clockwise to make string tensional (Figure 11). If the string is over-tensional, please press the String Releasing Button and then rotate the String Adjustment Knob counter-clockwise to suitable tensional situation (Figure 12).

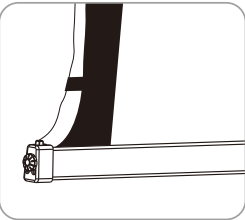


Figure 10

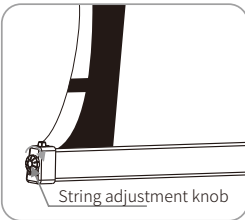


Figure 11

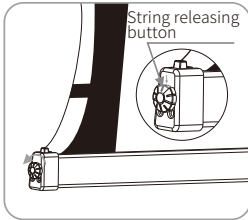


Figure 12

Intelligent Model – Control Functions

- Intelligent electric screen has 5 control methods:
- A. Manual control (cycle button)
 - B. Dry contact control
 - C. RS485 or RS232 control
 - D. DC12V Trigger
 - E. Wireless control

Manual cycle key control

The manual cycle button is at the left end of the screen shell (near the interface), and the function is to cycle through up, stop and down.

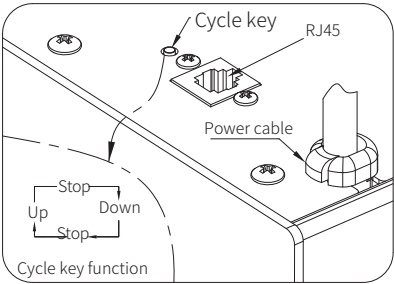
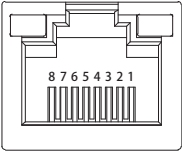


Figure 13

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

Crystal head interface definition diagram:

Connection port line number	1	2	3	4	5	6	7	8
Features	RS485-A RS232-TXD	RS485-B RS232-GND	Stop	DOWN	Up	12V+	12V-	Public line

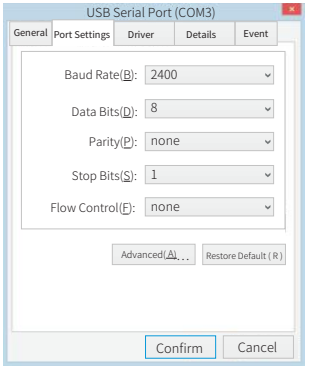


RS485/RS232 Port settings:

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

Hex Contro Code:

- UP: FFFFFFFEED
 - STOP: FFFFFFFEECC
 - DOW: FFFFFFFEEE
 - Some central controls need to set the address code FFFFFFFEEAA
- Learn address code instructions: FFXXXXXAA
(XXXXXX is a hexadecimal character other than E and 5)



note:

- When connecting to RS232 or RS485, if there is any motion that cannot be controlled by the screen, please adjust the two control lines.
- Wiring loop resistance is less than 20Ω;
- Do not run in parallel with strong interference sources;
- 232 port setting: 2400, n, 8, 1 A data string should be sent twice consecutively.

