

RS485 or RS232 Control

- Baud Rate: 2400
- Data Bits: 8
- Parity: none
- Stop Bit: 1

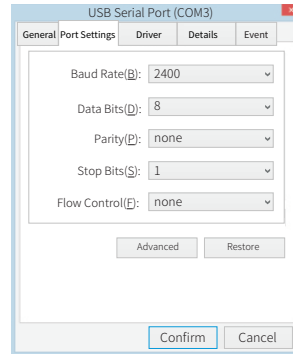
Hexadecimal Control Code

UP: ff ee ee ee dd

STOP: ff ee ee eecc

DOWN: ff ee ee ee ee

Some central control systems may require setting address code: ff ee ee ee aa



Notes:

- 1.If the screen cannot be controlled via RS232 or RS485, swap the two control wires.
- 2.The circuit resistance should be less than 20Ω.
- 3.Do not route signal cables alongside strong electromagnetic interference sources.

Mechanical Limit Adjustment:

If have to adjust height limit for installation environment reasons, you can adjust the limit setting by using a provided adjustment bar insert into the adjustment hole which on the left down area of motor. (Used for adjusting extension height – see Figures 16–17)



Warning

Adjust with care. Improper retraction height settings may result in damage to the motor or screen due to excessive fabric rolling. When setting the extension height, ensure at least 1.5 full rotations of fabric remain on the roller tube to prevent the screen from detaching. Please note: changes to the screen position may not take effect immediately—1 to 2 full operation cycles may be required for adjustments to become visible.

Adjusting Extension Height (Lower Limit)

Set the control switch to the "Down" position to extend the screen. Insert the provided adjustment key into the motor's limit adjustment port (align with the yellow dial visible through the hole). Rotate clockwise to reduce the extension height. Rotate counterclockwise to increase it.

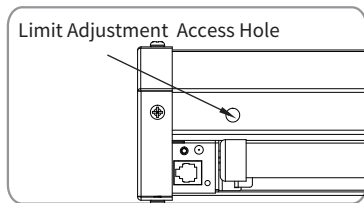


Figure 16

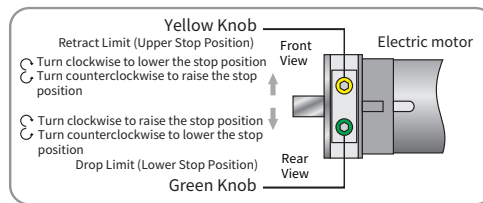


Figure 17

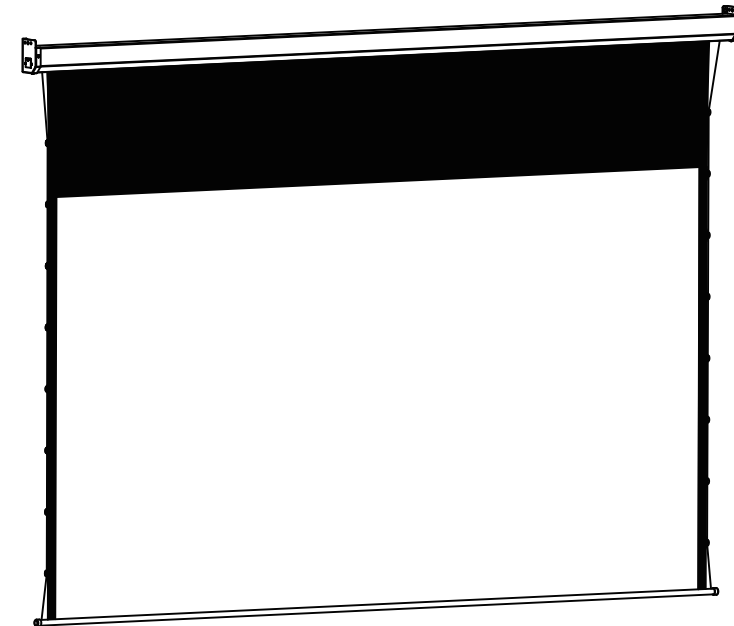


Prohibited

Due to the special structure of the product, the retraction height (upper limit) is factory preset and must not be adjusted by the user. Damage caused by unauthorized adjustment of the retraction height will not be covered under warranty.

Dias Series Tab-Tension Motorized Screen Instruction Manual

Model: LF-DR (xxx)
LF-DF (xxx)



Thank you for purchasing a Grandview projection screen.
Before use, please read instructions carefully. After installation, store instructions for future reference.






Warnings

- The ceiling or wall used for fixture installation must be secure to prevent the screens from falling.
- Please read the following as any damage to the screen surface will affect the quality of the picture:
 - 1.Avoid contact or touching the screen surface as it may cause scratches or tears.
 - 2.Do not write or draw on the surface.
 - 3.Do not damage the surface of screen by knife or finger
 - 4.Clean the screen with a soft cloth and lukewarm water. Do not use any detergent or cleaning

- Please retract the screen after using
- Make sure the Fixing screw be fastened when using the wall bracket, to avoid any damage.
- Roll up the screen after every use. Ensure that the screen is level when installing; do not pull on the sides or fold the screen.
- To prevent unnecessary damage, the operating and maintenance of the screen should be done by adults.

Attention:

- Please make sure there is no dust or dirt on the fabric surface before rolling it back to the casing
- The recommended working time is less than 50 seconds. The motor will enter overheating protection status and stop working for every continuous 4 minutes operation, user would need to wait for a while until the motor cool down before operating again.
- There is no lube needed for the motor. Please be noticed that the appropriate setting is optimized which requires no further adjustment, please consult the after sales team before adjusting the limits.

 <p>Warning</p> <p>Ignoring the safety warnings may lead to injuries and/or damaging the product.</p>	 <p>Mandatory</p> <p>Fixtures should be installed in a secure place to avoid accidents or the screen falling.</p>
 <p>No Hanging Items</p> <p>Refrain from hanging anything on the screen as it may cause the screen to fall.</p>	 <p>Mandatory</p> <p>Roll up the screen after every use. Leaving it hanging for a long period of time may cause the fabric to loosen.</p>
 <p>Prohibition of Disassembly</p> <p>Please contact your local dealer for repairs or maintenance. Please contact our company if you have any further questions. Avoid taking apart the fixtures yourself. Loose parts may cause the screen to fall.</p>	

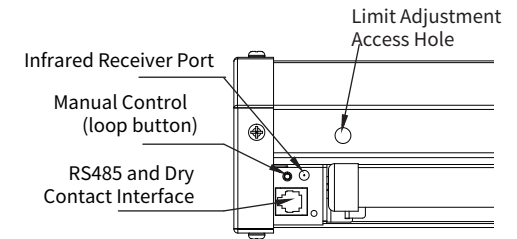
Note: Do not disassemble or replace any components without authorization. For malfunctions, contact after-sales service. Specifications may change without prior notice.

Operation Guide

Fabric control instruction

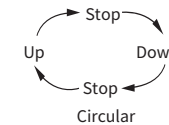
Supports four control methods:

- Manual Control (loop button)
- IR control or RF control
- Dry Contact Control
- RS485 or RS232 Control



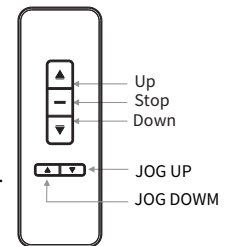
A. Manual Control

Manual control button is on the left side of the casing (close to RS485 and dry contact interface), this is a cycle control button



B. RF Remote Control (MF: AC-123) IR Remote Control (MI: AC-127)

- 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 remote been factory-paired with the screen and can be reset if needed.



MODEL: AC-127/AC-123

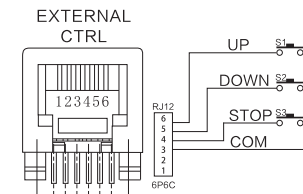
Pairing & Unpairing Procedure

(Note: The remote is pre-paired at the factory.)

- 1.Disconnect the screen from the power supply for 10 seconds, then reconnect.Within 10 seconds of reconnecting power, press and hold the Up and Stop buttons on the remote simultaneously.
- 2.The motor will rotate in both directions once, indicating successful pairing.
- 3.Repeat the same steps to unpair. Odd-numbered attempts will pair the remote; even-numbered attempts will unpair it.

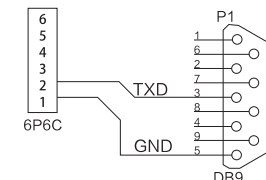
C. Dry-contact wall switch control

Simply contact RJ12 6P6C connector. From left to right, 3-6 is control signal cable, 3 is common cable, 4 is stop, 5 is lower, 6 is lift.



D. RS-232/485 interface control

From left to right, 1 & 2 cable for control. For RS485, cable 1 is D-, cable 2 is D+. The connecting of RS232 as figure shows.



Installation

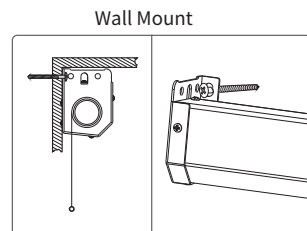


Figure 11

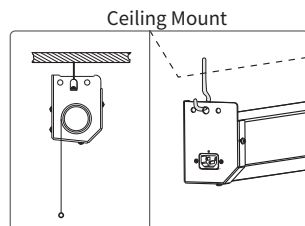


Figure 12

Fixed installation for ceiling

1. Install hanger to the end cap of casing via M6x14 screws (note: use the washer for the M6x14 screws) (Figure 13-14)

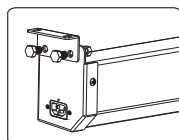


Figure 13

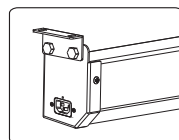


Figure 14

2. Install the screen by using self-tapping screws to fasten the mounting plate through the corresponding holes at the top. Secure both the mounting plate and screen to the ceiling as a single unit. (See Fig. 15)

Diagram for fixing on ceiling

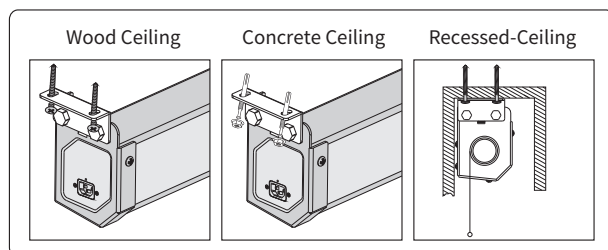


Figure 15

Screen Tension Line Adjustment

Hold the bottom bar, insert the key into the hex slot of the spool, press lightly, and turn to adjust tension (clockwise to tighten, counterclockwise to loosen). Release pressure to reset (Fig. 16).

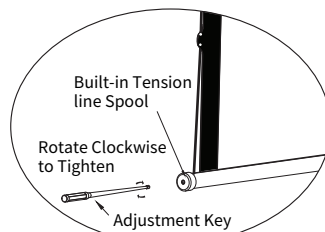
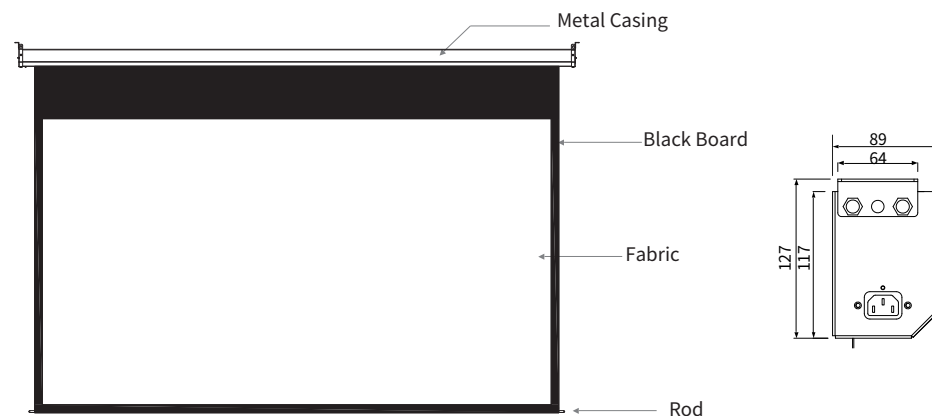


Figure 16

Description



Accessories

- $\varnothing 5 \times 40$ mm screw with anchors (4sets)
- M6x14 screw (4sets)
- Spring Washer (4 pc)
- Hanger (2 pc)
- Power Cable (1 pc)
- Remote Control Handset (1 pc)
- Open-End Wrench (1 pc)
- M4 Adjustment Key (1 pc)
- Instruction Manual (1pc)

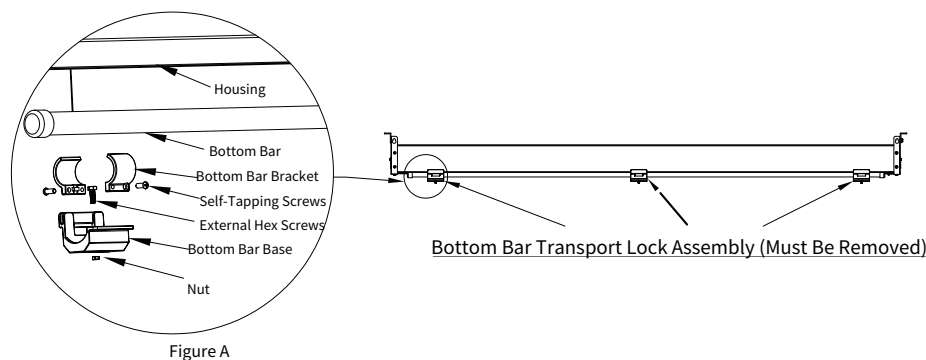
Installation Preparation

Bottom Bar Transport Securing Devices

To protect the screen during transportation, two different securing methods are used depending on the screen size and order specifications. These may include a transport lock assembly, securing screws, or securing plate. All transport securing devices must be removed before powering on the screen.

Before use, remove the transport Lock assembly as follows (see Fig. A):

1. Use the open-end wrench to remove the nut and pull out the bottom bracket.
2. Power on and lower the screen by 100–200 mm.
3. Remove the self-tapping screws, then take out the bottom bar bracket and the external hex screws.

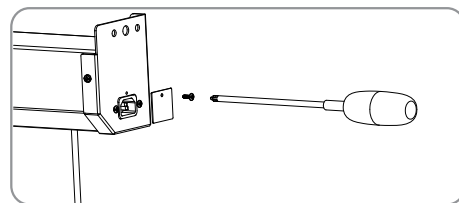
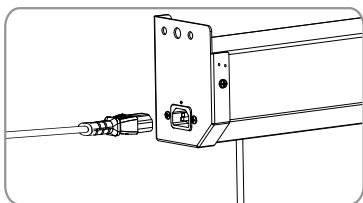


Power Cable Configuration

The power input can be positioned on either end of the screen:

1. By default, the left side is pre-configured at the factory (see Fig. C).
2. To switch to the right side, use a Phillips screwdriver to remove the screw on the right-side power cover, then connect the power cable. Be sure to reinstall the removed power cover on the left side to maintain insulation, as the opposite socket may carry voltage when powered (see Fig. D).

Warning: Do not connect power cables to both ends. The unused side must be sealed with the power cover to prevent electrical hazard.



Installation

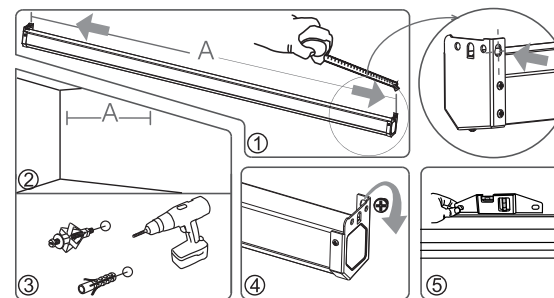
Open the outer packaging and check all required components against the parts diagram provided in the manual. Carefully remove all items from the box and place them in a suitable location before proceeding with installation.

(Suggestion: For wood walls or ceilings, it is recommended to use $\varnothing 5 \times 40$ self-tapping screws. For concrete walls or ceilings, it is recommended to use $\varnothing 5 \times 40$ self-tapping screws with expansion anchors.)

Wall Mount

a. Wood wall: using a tape measure, measure the distance between the two keyholes on the casing (Figure 1). According to the measurement, use the drill to drill identical holes of the appropriate size on the wall (use a smaller drill bit than the actual screws) and ensure that it is level (Figure 2 & 3). Screw in the appropriate screws, use $\varnothing 5 \times 40$ self-tapping screws for drywalls, leaving enough space at the end to hang the casing (Figure 4). To ensure that the screen is level, use a level to check (Figure 5).

b. Concrete Wall Installation: Measure the distance between the two keyholes (Fig. 1). Drill two aligned holes at corresponding positions (Fig. 2–3), insert expansion bolts, align the keyholes and tighten the screen (Fig. 4). Use a level to check alignment (Fig. 5).



Ceiling Mount

Using a tape measure find out the distance between the two keyholes on the casing (Figure 6). According to the measurement, use the drill to drill identical holes of the appropriate size on the ceiling and ensure that it is level (Figure 7 & 8). Screw in the hook screws (not provided), and lift the screen into the hook screws to hang (Figure 9). To ensure that the screen is level, use a level to check (Figure 10).

