GRANDVIEW®
GRANDVIEW REPRODUCING GENUINE COLORS

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ISO9001:2000
International Certification

GRANDVIEW®
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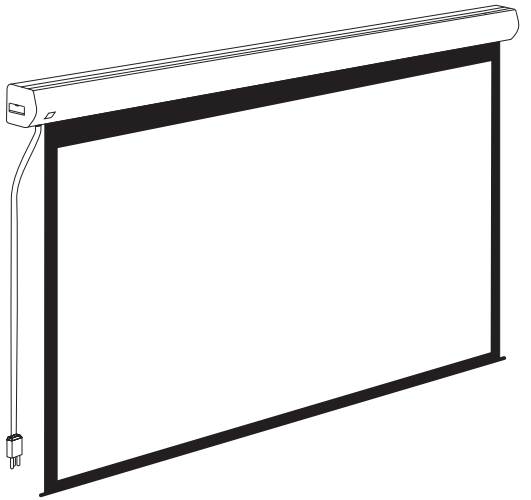
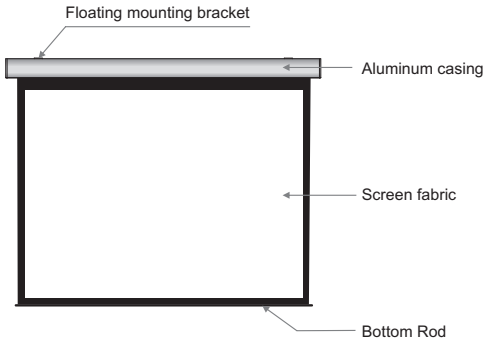
Cyber Series Integrated Screen With IR Remote Control

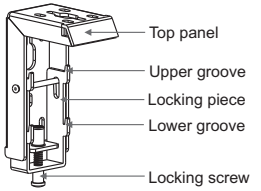


Model: CB-MIRxx II

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

Description

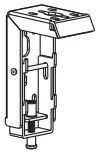




1

Accessories

- Floating mounting bracket (2pcs)



- ⌀5 × 40mm Tapping screw & cap (8sets)

- M5x10 Screw (6pcs)

- Ceiling hanger (2pcs)

- Trigger line (1pc)

- External IR receiver (1pc)

- Allen key (1pc)

- Remote Controller (1pc)

Motorized Screen Power Specifications

Voltage	Frequency	Watts	Application
230V/120V/100V	50Hz/60Hz	90W/80W	Applies to motorized screen up to 120"

Warnings

- The ceiling or wall used for fixture installation must be secure to prevent the screens from falling.
- While installing electrical motors, please hire professionals or your local dealer to ensure safety. A misconnection may lead to fire or leaks.
- Make sure the Fixing screw be fastened when using the wall bracket, to avoid any damage.
- Keep all infrared wireless products away from fluorescent lighting as it may cause malfunctions.
- 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.Clean the screen with a soft cloth and lukewarm water. Do not use any detergent or cleaning products.
- 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.

Ignoring the safety warnings may lead to injuries and/or damaging the product.	Fixtures should be installed in a secure place to avoid accidents or the screen falling.
Do not connect any electrical attachments or remote controls.	Roll up the screen after every use. Leaving it hanging for a long period of time may cause the fabric to loosen.
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.	Refrain from hanging anything on the screen as it may cause the screen to fall.

Do not take apart and replace with unknown parts. If there are any problems, please contact your local dealer.
Product specifications are subject to change.

Installation

Take out all the parts from the package and following the accessories guideline ensure all the parts are there.
There are three different types of installation available for this product: wall mount, ceiling mount or ceiling hang.
Depending on the installation environment, the floating mounting brackets can be installed at various points for your convenience. However, the ideal position for the mounting brackets is closer to the endcap as this will reduce vibration and noise.

Wall and Ceiling Mount Installation

1.According to the surface of installation, choose the appropriate screws needed for mounting (regular screws for wood surfaces, tapping screws for concrete surfaces)
2.Mount the brackets onto the surface, ensuring it is level (tip: draw a erasable level line when mounting the brackets). See below for picture description (figure 1):

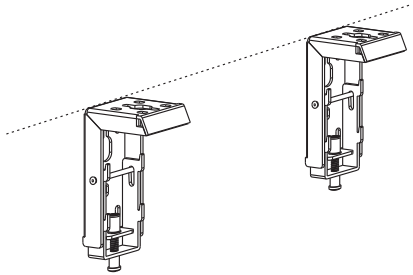


Figure 1

Installation Steps:

1.Wood wall and ceiling installation: Drill in the ⌀5 x 40 screws through the appropriate holes in the bracket (figure 2-3)
2.Drywall and ceiling installation: Install the anchors and drill in the ⌀5 x 40 screws into the appropriate bracket holes (figure 4-5)

Wood wall installation

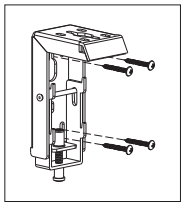


Figure 2

Wood ceiling installation

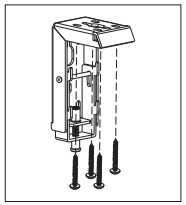


Figure 3

Concrete wall installation

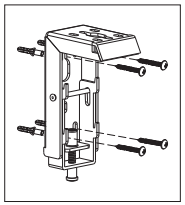


Figure 4

Concrete ceiling installation

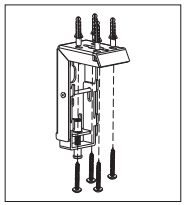


Figure 5

3.Loosen the locking screw to lower the locking piece down all the way (figure 6-7)

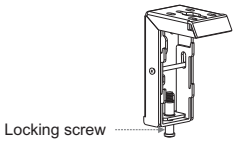


Figure 6

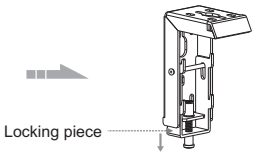


Figure 7

4.When mounting the screen onto the floating mounting brackets, ensure the grooves on the screen casing match up with the upper and lower groves on the brackets. Simply slide in, and bracket's grooves will hold the casing in place. Horizontal adjustments can still be made (figure 8-10).

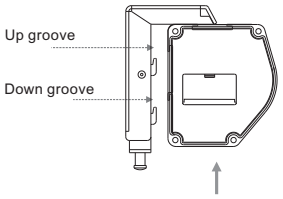


Figure 8

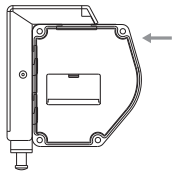


Figure 9

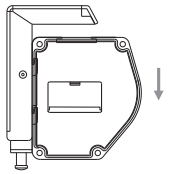


Figure 10

5.To lock the screen in place, close and tighten the locking screw on the mounting brackets. This will keep the screen casing locked firmly in place (figure 11-12).

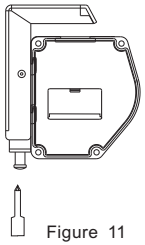


Figure 11

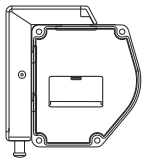


Figure 12

Other Control Options Description

1.FM to IR control description:

When you insert the Wireless Synchro Converter Receiver into the EXTR slot of the control panel, you can use a FM wireless remote control device. (figure 27). The Intelligent Synchro Power Supply Control Adaptor (for all projectors) combined with the wireless 12V trigger (for all projectors with a trigger output) can control the screen together. (figure 28-29)

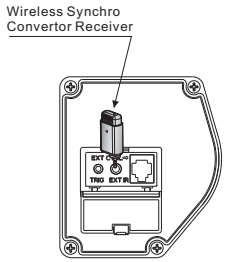


Figure 27

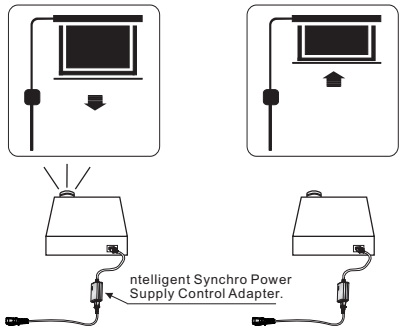


Figure 28

Figure 29

二. External Wall Switch

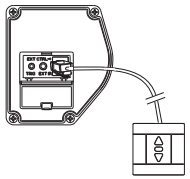


Figure 30

Manual control for screen up/stop/down.

三. External Intelligent Wall Switch Connection

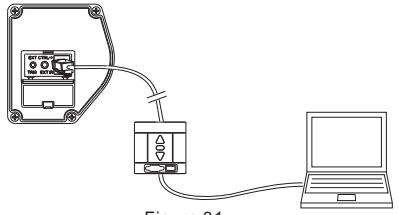


Figure 31

1.Control for screen up/stop/down when connected to the control panel interface of the screen.
2.Control for screen up/stop/down when connected to the computer's RS232 or USB ingerface.

Attention:

> Please make sure there is no dust or dirt on the fabric surface before rolling it back to the casing
> The recommened working time is less than 50 seconds. The motor will enter overheating protection status and stop working for every continuous 4 minuters 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.

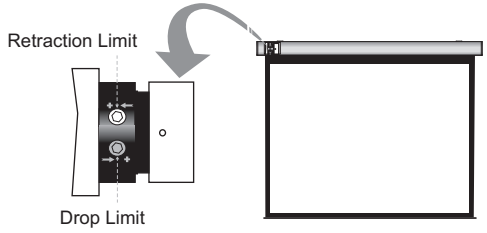


Figure 32

Automatic Trigger Control Description

1.Insert one end of the trigger wire into the trigger jack located on the left side of the screen casing's end cap labeled “TRIG”. (figure 22). Insert the other end into the 12V output.

2.When the projector is powered on, the screen will lower automatically. When th projector is powered off, the screen will retract automatically.

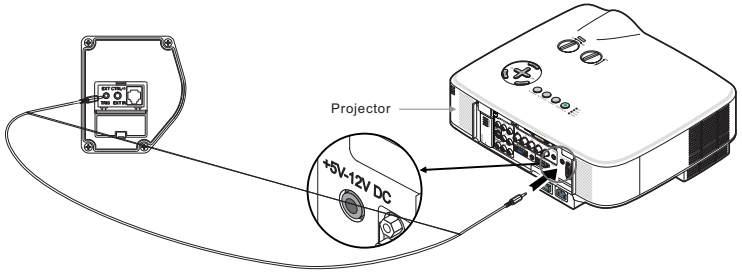


Figure 22

External Controls Description (Central Control or R232, Grandview Wall Switch)

Insert one end of the signal cord into the computer output jack located on the left side of the screen casing's end cap and the other end of the signal cord to the central control jack, RS232 or Grandview wall switch. (figure 23-24). You can then control the screen via central control or computer.

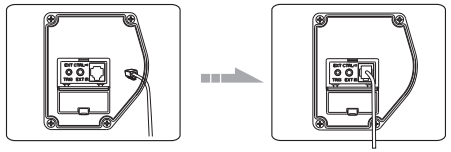
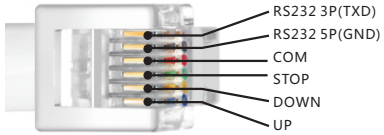


Figure 23

Figure 24



RS232 interface settings :

bps: : 2400
data bit : 8
parity check : no
stop bit : 1
control code :
up : 0xff,0xee,0xee,0xdd
stop : 0xff,0xee,0xee,0xcc
down : 0xff,0xee,0xee,0xee

Infrared (IR) Remote Control Description

1.In order for the IR remote control to work, please ensure there is nothing covering the built-in sensor on the screen casing.

For installations where the built-in sensor on the screen casing will be covered, use the external IR receiver (provided) and insert it into the external IR slot on the screen casing's left end cap. Ensure the external IR received head is in a position where it can received the remote control signal.

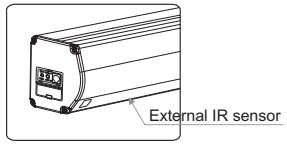


Figure 23

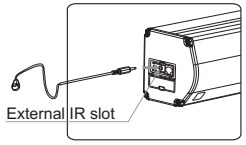


Figure 24

Ceiling Hang Installation

Choose tapping screws with hangers (or other screws with hangers, not provided) according to your ceiling material. 5 x 40mm for wood ceilings and tapping screws for concrete ceilings are recommended.

1.Drill two identical holes with an electrical drill and ensure it is horizontal with the Wall. Fasten hangers (not provided) into the ceiling (figure 13).

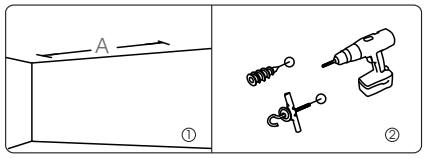


Figure 13

2.Use the M5 x 10 screws provided in the accessory package to fix the ceiling hanger into the wall bracket. Ensure the tightening screws on the wall bracket are tightened and secure. (figure 14-15)

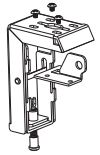


Figure 14

Figure 15

3.After inserting the ceiling hanger, ensure the grooves on the case housing match up with the mounting bracket. To secure the case housing into the brackets, tighten the locking screws. (figure 16-17)

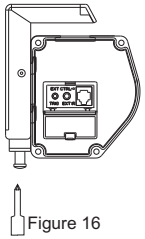


Figure 16

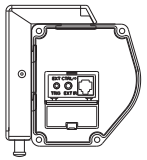


Figure 17

4.After completing steps 2 and 3, check to see whether the wall bracket is securely fixed onto the housing of the screen before hanging. Hang screen as shown below. (figure 18)

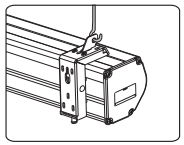
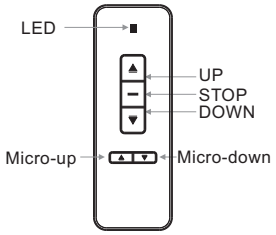


Figure 18

Remote Control Instruction



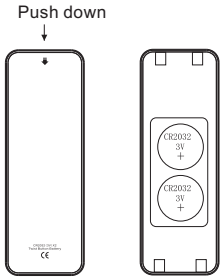
Model:AC127

Button Function and Operation Instruction :

1.Press UP button to lift the screen
2.Press STOP button to stop the screen
3.Press DOWN button to lower the screen
4.Press MICRO-UP button to retract the screen in small increments(150ms for each movement)
5.Press MICRO-DOWN button to lower the screen in small increments (150ms for each movement)

Cautions:

1.The minimum distance between Controller and Receiver: 50cm
2.Workable within 8m in horizontal directionfrom the Receiver to the Controller
3.Do not cover the Controller's launching port while operation
4.Strictly banoperation in wet or high temperature environment.
5.Replacing batteries when the signal is faint or no signal.
6.Batteries for the Controller: 2 units CR2032 button cells.



Batteries Installation Instruction:

When the signal of the Controller is faint, please replace the batteries as follow steps:

1.Reverse Controller to the back, push down as the arrow mark to open the cover.
2.Installtwo cells of battery and set the direction of positive and negative electrode just like the chart shows.
3.Close the battery cover.

Functions

Press down and open the end cap lid to access the control interface. When not in use, close to the lid to conceal the control interface.

Figure 19

Operating Instructions

Connecting to an external power source:

1.Remove the glued on cloth on the bottom rod to ensure the rod is free from the casing.
2.Switch on the power. (with the appropriate voltage)

How to use the Manual/Remote Control Switch Button (Figure 20-21)

This motorized screen has 4 types on control options: infrared (IR) remote control, manual control, triggered control, and external control (central control or RS232/USB).

Other Control Options (optional)

1.Convert the infrared control to a FM wireless control using the Wireless Synchro Converter Receiver.
2.Control using the Intelligent Synchro Power Supply Control Adaptor for inline control with the projector. Please refer to specific manual instructions if options A and B are paired.

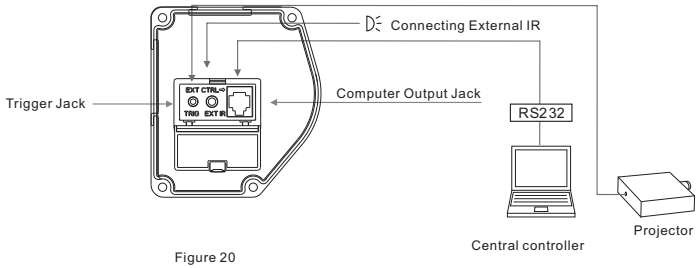


Figure 20

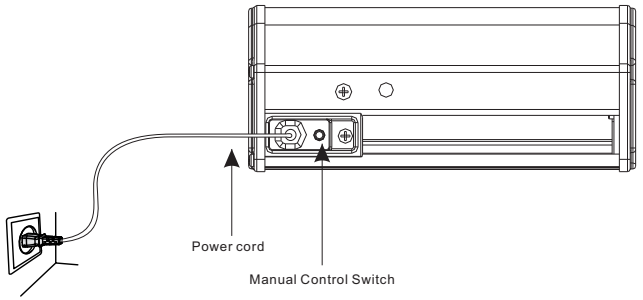


Figure 21

Switch control follows this priority: Down-Stop-Up-Stop-Down