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GRANDVIEW REPRODUCING GENUINE COLORS

**Instruction Manual for
Cyber Series Intellectualized-Controlled Screen**

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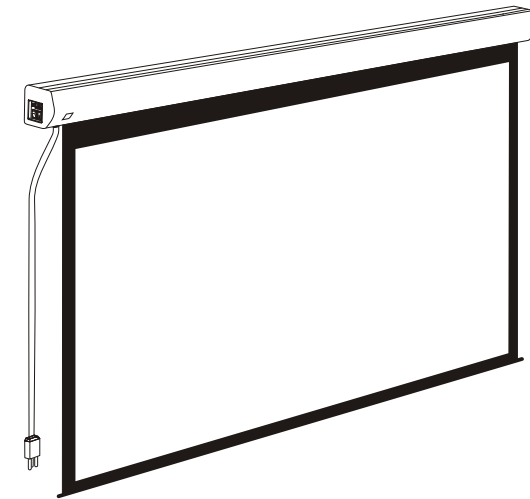
Model：CB-MIxx

Grandview Crystal Screen Canada Ltd.

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Marine Way Business Centre,
Burnaby, BC, Canada V5J 5G4
Tel: 1-604-412-9777   Fax: 1-604-412-9796
Website: www.grandviewscreen.ca

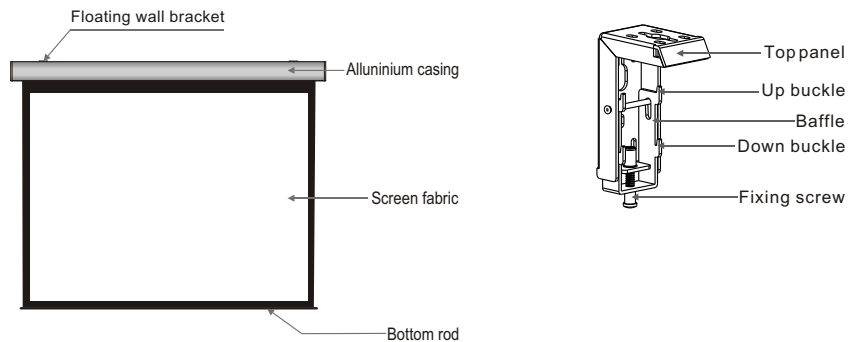**Guangzhou Grandview Crystal Screen Co., Ltd.**

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Tel: +8620-8489-9499   Fax: +8620-8480-3343
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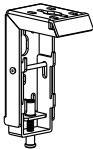   www.grandviewscreen.com.cn

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MANAGEMENT
014

ISO9001:2000
International Certification

Thank you for purchasing a Grandview projection screen.

Before use, please read instructions carefully. After installation, store instructions for future reference.

Description

Floating wall bracket

Alluninium casing

Screen fabric

Bottom rod

Top panel

Up buckle

Baffle

Down buckle

Fixing screw

Accessaries

- Floating wall bracket (2pcs)

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

- M5x10 Screw (6pcs)

- Ceiling hanger (2pcs)

- Trigger line (1pc)

- Externnal IR Receiver (1pc)

- Allen key (1pc)

- Instruction manual (1pc)

Motorized Screen Power Specifications

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

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 packaging and follow the accessagires guideline to ensure you have all parts.

There are three installation measures for this product, namely wall mounting, ceiling mounting and ceiling hang. The installed distance can be changeable up to your needs via adjusting the slipper block, while the ideal position is the mounting bracket is at its nearest point to the endcap, which can reduce unnecessary vibration or noise.

Floating wall bracket installation

1. Choose screws for mounting according to wall material. (Tips: Wood screws for wood wall, and Tapping screws for concrete wall.)
2. Mount the brackets onto the wall, assuring they are at the horizontal level. (Tips: draw an erasable level line when mounting the brackets) (Figure 1) Here below are the details:
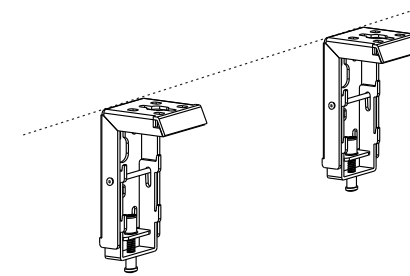
Figure 1

Installation Steps
a) Wood wall and ceiling installation: Drill in the $\phi 5 \times 40$ screws through the appropriate holes in the bracket (Figure 2-3).
b) Drywall and ceiling and installation: Install the anchors and drill in the $\phi 5 \times 40$ screws into the appropriate bracket holes. (Figure 4-5).
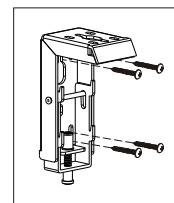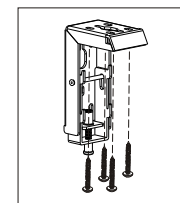
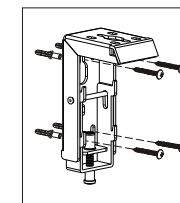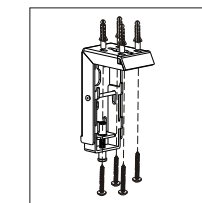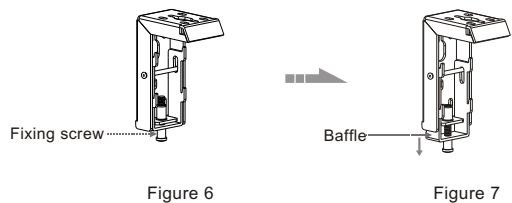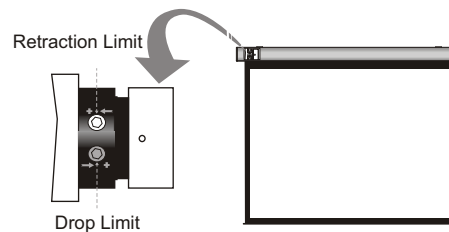| Wood wall installation	Wood ceiling installation	Concrete wall installation	Concrete ceiling installation
Figure 2	Figure 3	Figure 4	Figure 5

3. Loose the Fixing screw to lower down the Baffle all the way. (Figure 6-7)

Fixing screw

Baffle

Figure 6   Figure 7

4. When mounting the screen onto Floating wall brackets, make sure the Up groove and the Down groove on the
   housing match with the Up buckle and the Down buckle on the bracket seperately. (Figure 8-9).

Up groove

Down groove

Figure 8   Figure 9

5. Fasten the Fixing screw on the bracket, to fix housing tightly onto the brackets.(Figure 10-11)
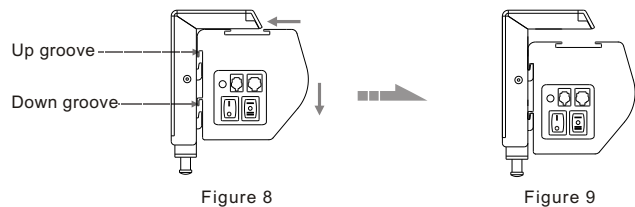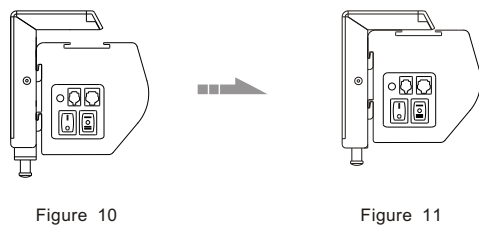
Figure 10   Figure 11

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.

Retraction Limit

Drop Limit

How to use Trigger Control:
1. Insert one end of the signal cable into the Trigger jack of the handle controller, and the other end into the DC5V-12V output hole of the projector (Figure 22-23).
2. Press the control switch of the handle controller to the "一" location.
3. Switch Manual/Remote Control Button to position "1" (manual stalls).
4. When running the projector, the screen will spread the fabric automatic by synchronous; when closing the projector, screen will be back automatic by synchronous too.
5. If you don't need to use the trigger control, please draw off the burst line directly, then control it by your hand.
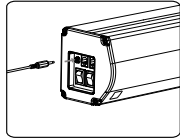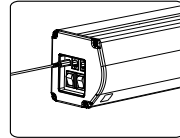
Figure 22   Figure 23

How to use External Control (Central Controller or RS232/USB):
1. Turn the manual/IR remote control switch to position "0" (remote control stalls)
2. Plug one side of the signal cord into the computer output jack at left side of the screen's end cap, the other side of the singal cord to plug into the jack of Central Controller or computer RS232/USB（Note: in order to use RS232 Control, an Adapter is necessary to be connected with, the Adapter is not in the accessory package)(Figure 24-25), and then you can control up/pause/down of the screen via Central Controller or computer.
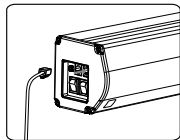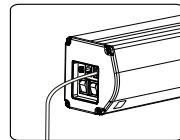
Figure 24   Figure 25

How to use IR Remote Control：
1. Turn the manual/IR remote control switch to position "0" (remote control stalls)
2. When there's nothing to keep our of the IR window, you can use the controller to control up/pause/down of the screen (Figure 26).
3. For hidden installation or IR window is being kept out by something, please take out the IR Receiver Head and plug it to the revelant hole, and then install it at the position where IR signal is available (Figure 27)

Inner IR Receiver Window
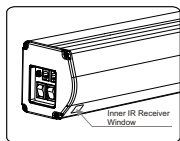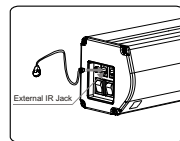
External IR Jack

Figure 26   Figure 27

Ceiling hang installation

To choose the tapping screws with hanger or other screws with hanger (unprovided) according to ceiling material. (Tips: Wood screws ϕ 5 x 40 for wook ceiling and tapping screws for concrete wall.)
1. To drill two same holes with an electric drill horizontally with wall, then fasten hangers(unprovided) onto the ceiling. (Figure 12)
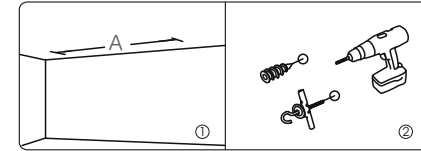
A

① ②

Figure 12

2. Use M5 x 10 screws in the accessory package to fix the ceiling hanger into wall bracket, make sure the tightening screws on wall bracket are fixed tightly. (Figure 13-14)
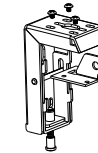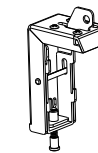
Figure 13   Figure 14

3. After fix the ceiling hanger, make sure the up groove and the down groove on the housing match with Up buckle and Down buckle on the bracket separately and fasten the fixing screw on the bracket, to fix housing tightly onto the brackets.(Figure 15-16)
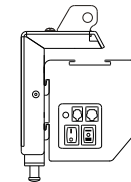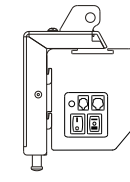
Figure 15   Figure 16

4. After finished step 2 and step 3, check whether wall bracket fix on the housing of screen tightly then you can hang the screen according to the figure 17.
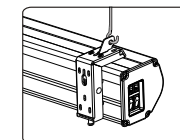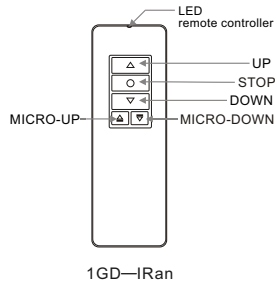
Figure 17

LED
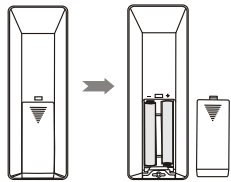remote controller

UP
STOP
DOWN
MICRO-UP
MICRO-DOWN

1GD—IRan

Controller button instruction
1.To raise screen press "UP".
2.To hold screen at desired position press "STOP".
3.To lower screen press "DOWN".
4. To raise the screen little at your desired position press "MICRO-UP"
5. To lower the screen little at your desired position press "MICRO-DOWN"

Caution:
1.The shortest distance between receiver and controller is 0.5 meter.
2.Controller will work within 30 degree away horizontally from the center of receiver point within 8 meters from the screen.
3.The controller will not work if the signal was covered by something.
4.Keep the controller far away from high temperature and humid situation.
5.Please change the battery when the signal is weak.
6.Please take the battery out if the controller was not being used for long time.
7.Please choose the same type battery as original supplied.

How to install the battery:
1.Turn the controller around, push to open the cover as guide arrow.
2.Put the battery in according the guide of cathode and anode.
3.Close the cover.

Connecting to the external power:
1. Tear off the glue cloth fixed on the bottom rod, ensure the bottom rod is not stuck by the casing.
2. Switch on the power (within stated voltage).

How to use Manual/Remote Control Switch Button: (Figure 18)
The screen has four kinds of optional control methods: IR Remote Control, Manual Control, Trigger Control, External Control (Central Control or RS232/USB). When switching the Manual/Remote Control Switch Button to position "1", you can use Manual Control or Trigger to control up/pause/down of the screen. When switching to position "0", you can use IR Remote Control or External Control (Central Controller or Rs232/USB) to control up/pause/down of the screen.
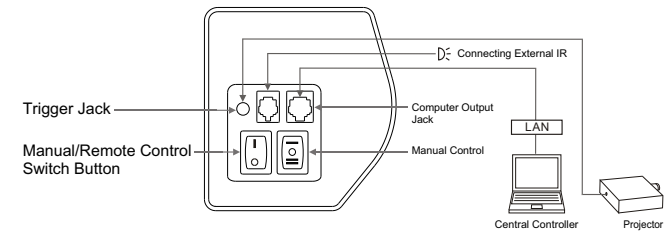
Connecting External IR

Trigger Jack
Computer Output Jack
LAN
Manual/Remote Control Switch Button
Manual Control

Central Controller   Projector

Figure 18

How to use manual switch control:
1. Switch Manual/Remote Control Button to position "1" (manual stalls).
2. 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 (Figure 20) .
3. 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 (Figure 21).
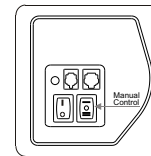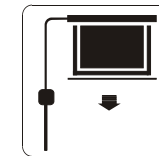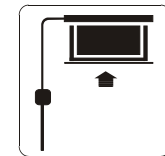4. To stop any time while the screen is in motion, turn the switch to 0.

Manual Control

Figure 19   Figure 20   Figure 21