

Grandview[®]

Instruction Manual for CNV Intellectualized-controlled Screen

Grandview[®]



Model CN-Mlxx

Grandview Crystal Screen Canada Ltd.

#11- 3751 North Fraser Way,
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.

No.43,Guomao Road South, Hualong Town,
Panyu District, Guangzhou City, China
Tel: +8620-8489-9499 Fax: +8620-8480-3343
Website: www.grandviewscreen.com
www.grandviewscreen.com.cn

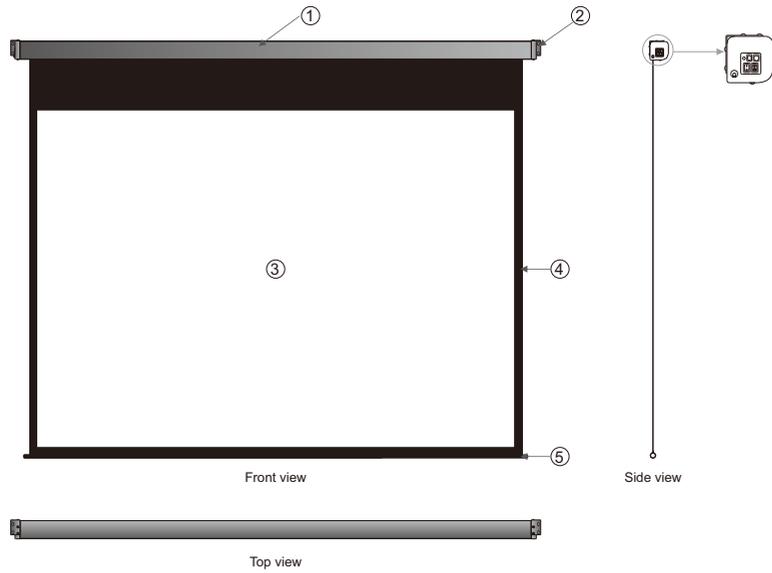


Thank you for purchasing a Grandview projection screen.

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

Description

Illustration



Screen parts

①	Metal casing	④	Black border
②	Installation bracket	⑤	Rod
③	Screen fabric		

Accessories

■ Remote control emitter (1pc)



■ 7# batteries (1 pair)



■ Trigger line (1pc)



■ External IR Receiver (1pc)



■ Allen Key (1pc)



■ Instruction Manual (1pc)

Optional Accessory

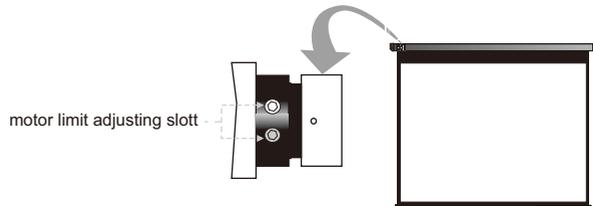
■ ϕ 10 x 40 mm expansion bolts (8pcs)



Warnings

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.



- 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 accessories guideline to ensure you have all the parts. Installing is as below.

Wall mouting

Warning! Professional operator is required for screen installation.

1. Refer to Table 1: Use the ruler provided to measure the distance (P) between the end caps. Refer to actual measure data if it is not according to datas below.

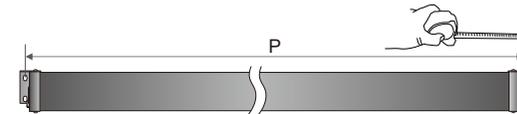


Figure 1

Table 1: Distance(P) between the end caps

Format	Specifications	84"	92"	96"	100"	106"	120"	133"	136"	145"	150"
1:1	distance (mm)	2332	/	2640	2842	/	/	/	/	/	/
4:3	distance (mm)	/	/	/	2332	/	2640	/	/	3247	3350
16:9	distance (mm)	/	2332	/	2516	2640	2958	3247	3350	/	/

Note: Sizes and specifications are subject to change at any time. Refer to real product for exact data.

2. According to P distance, drill 4 holes in the wall with an electric drill, and put 4 pieces of $\phi 10 \times 40$ mm expansion bolts in the holes (Figure 2).

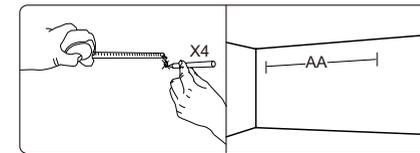


Figure 2

3. Put the bolts through the installation brackets and fix the screen on the wall (Figure 3 - 4).

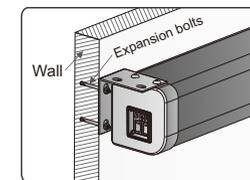


Figure 3

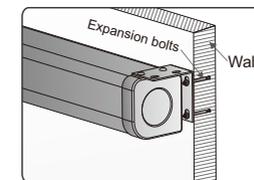


Figure 4

4. Use the horizontal indicator to make sure the screen are at horizontal level (Figure 5).

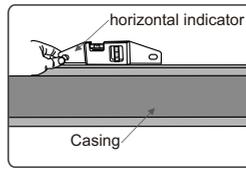


Figure 5

Ceiling Mounting

Warning! Professional operator is required for screen installation.

1. Refer to Table 1: Use the ruler provided to measure the distance (P) between the end caps. Refer to actual measure data if it is not according to datas on table 1.

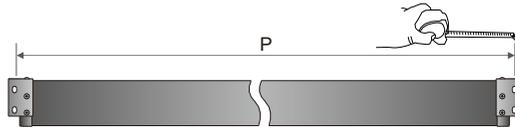


Figure 6

2. According to P distance, drill 4 holes in the ceiling with an electric drill, and put 4 pieces of $\phi 10 \times 40$ mm expansion bolts in the holes (Figure 7).

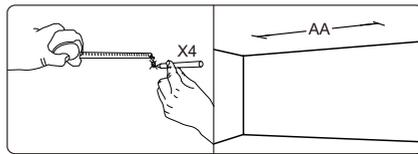


Figure 7

3. Put the bolts through the installation brackets and fix the screen in the ceiling (Figure 8 - 9).

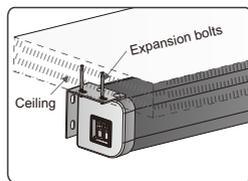


Figure 8

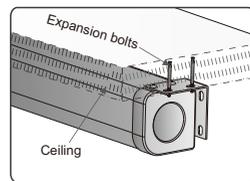
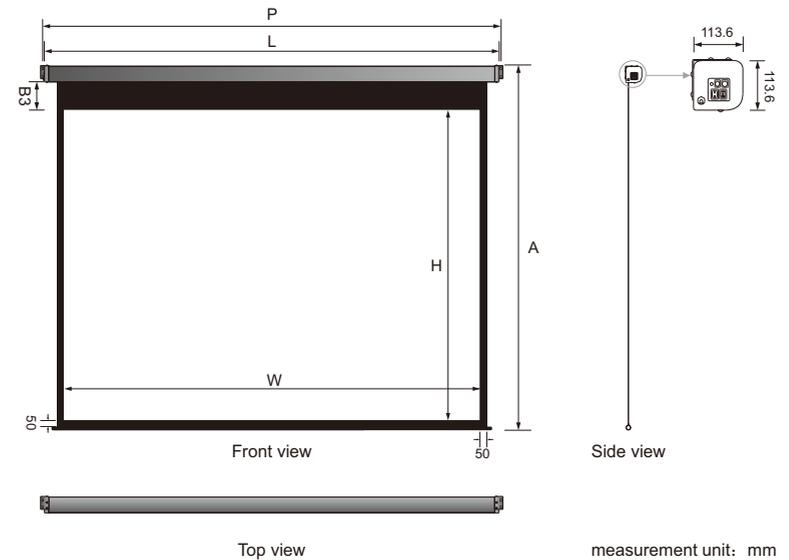


Figure 9

Specifications

Format	Model	Size (in)	Viewing area		L (mm)	A (mm)	P (mm)	B3 (mm)	Net weight (Kg)
			W (mm)	H (mm)					
1:1	CN-MI84	84"	2030	2030	2307	2276	2332	80	
	CN-MI96	96"	2338	2338	2615	2584	2640	80	
	CN-MI100	100"	2540	2540	2817	2786	2842	80	
4:3	CN-MI100	100"	2030	1520	2307	1766	2332	80	
	CN-MI120	120"	2338	1755	2615	2001	2640	80	
	CN-MI145	145"	2945	2210	3222	2456	3247	80	
16:9	CN-MI150	150"	3048	2286	3325	2532	3350	80	
	CN-MI92	92"	2030	1145	2307	1961	2332	650	
	CN-MI100	100"	2214	1245	2491	1961	2516	550	
	CN-MI106	106"	2338	1320	2615	1986	2640	500	
	CN-MI120	120"	2656	1494	2933	2060	2958	400	
	CN-MI133	133"	2945	1655	3222	2121	3247	300	
	CN-MI136	136"	3048	1715	3325	2181	3350	300	

Note: Sizes and specifications are subject to change at any time. Refer to real product for exact data. The tolerance for L is ± 3 mm.



CNV intellectualized-controlled Screen

Voltage (V)	Frequency (Hz)	Watts (W)	Application
230V/120V/100V	50Hz/60Hz	124W / 85W	Apply for up to 150" CNV intellectualized-controlled Screen

How to use IR Remote Control

1. Turn the manual/IR remote control switch to position "0" (remote control stalls) (Figure 20).
2. Take out the External IR Receiver, and connect the end to the relevant access in the end cap (Figure 21).



Figure 20

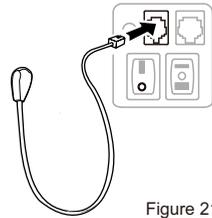


Figure 21

3. Tear off the glue at the back of the receiver and put it at anywhere where IR signal is available (Figure 22). (Note: Make sure the glue surface is clean)

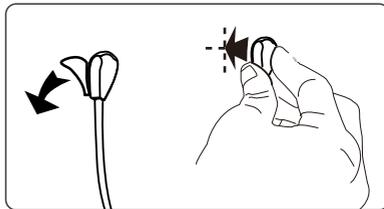


Figure 22

4. After installing the IR receiver, you can use the remote control emitter to control the screen (Figure 23).

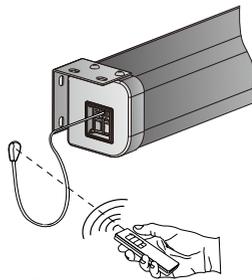
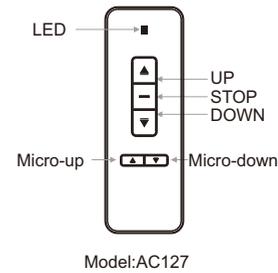


Figure 23

Instructions

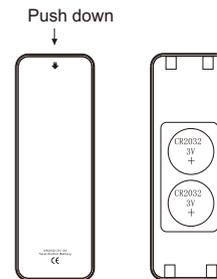


Button Function and Operation Instruction :

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 direction from the Receiver to the Controller
3. Do not cover the Controller's launching port while operation
4. Strictly ban operation 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. Install two cells of battery and set the direction of positive and negative electrode just like the chart shows.
3. Close the battery cover.

Operation Instruction

Power supply connection

1. Take off the sticker on the lower tube.
2. Connect power supply (Figure 10).

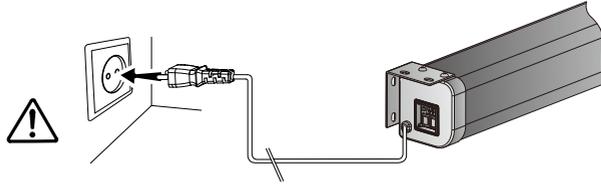


Figure 10

How to use Manual/Remote Control Switch Button: (Figure 11)

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

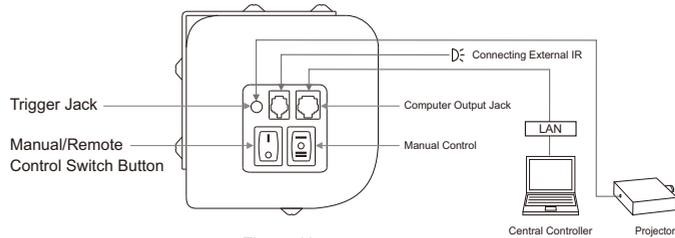


Figure 11

How to use manual switch control:

1. Switch Manual/Remote Control Button to position "1" (manual stalls) (Figure 12).
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 13).
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 14).
4. To stop any time while the screen is in motion, turn the switch to 0.

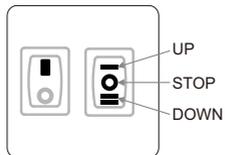


Figure 12

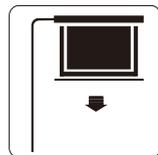


Figure 13

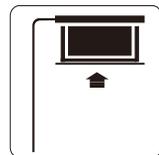


Figure 14

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 + 5V-12V DC output hole of the projector (Figure 15).
2. Switch Manual/Remote Control Button to position "0" (remote control stalls) (Figure 16).

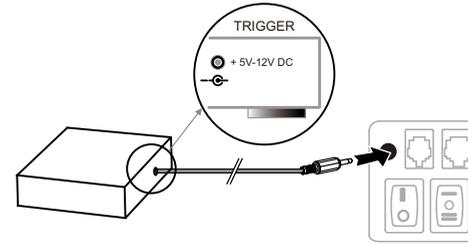


Figure 15



Figure 16

3. 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 (Figure 17).



Figure 17

4. If you don't need to use the trigger control, please draw off the burst line directly, then control it by your hand.

How to use External Control (Central Controller or RS232 / USB):

1. Turn the manual/IR remote control switch to position "0" (remote control stalls) (Figure 18).
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 signal 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 19), and then you can control up/pause/down of the screen via Central Controller or computer.



Figure 18

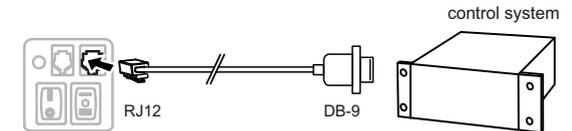


Figure 19