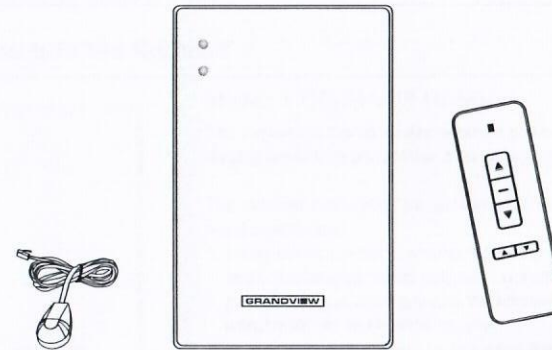


# Grandview®

## Infrared Remote Controller Operation Instruction

# Grandview®



Model: 1GD-IRAnIII

Thank you for choosing the Grandview remote control.  
Please read the instructions carefully before using. Keep instructions for future reference.

### 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](http://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](http://www.grandviewscreen.com)  
[www.grandviewscreen.com.cn](http://www.grandviewscreen.com.cn)



## Contents

Contents	1
Safety Information	2
Working Principle	2
Installation Guide	3-4
Controller Instruction	5
Trouble Shooting	6

## CAUTION

Warning: Please do not expose the product in moist place to prevent from potential danger of fire or electric shock

1. Please read this instruction carefully before using to prevent from potential damage to the product cause by inappropriate operation
2. Please put the product in ventilated place and operate according to instruction
3. Please move away from heat source such as heating machine, stove and other equipment that generate heat
4. Please only connect to the power source with earth wire
5. Never step on or clamp the power line
6. Please only use the accessories provided by supplier
7. Please unplug the power line during thunderstorm or long time lay aside
8. Please handover the maintenance work to professional after-sales staff
9. Please keep the product away from water and do not put anything with water on the product such as vase
10. As long as the power line is connected to the power source, the product is still connected to the alternating current power supply

## Features of the Receiver



1GD-IRAnIII

### Model: 1 GD-IRAnIII Receiver

The receiver is the controller between power source and the electric screen, to control the fabric to go up, down or stop.

The receiver can control the screen with three methods mentioned below:

1. Using the IR emitter to control the fabric to go up, down or stop. The receiver could only work with the IR emitter that provided by our company and the effective working area is within  $\pm 30^\circ$  in front of the receiver
2. Using the button on the box to control the fabric to go up, down or stop.
3. Can be connected to an external dry contact switch to control the fabric to go up, down or stop

Technical features of the receiver: Reliable, Energy Conserved and Environmental Friendly

- > Using STM paster with damp proof processing
- > Automatically shut off power if there are no operation in one minute
- > Using a certified connector to ensure the safety
- > One receiver can receive maximum 20 sets of codes from emitter which means user could control the receiver with maximum 20 pieces of emitter
- > One receiver can be only connected to one pieces of electric screen

Parameters of the receiver:

- > Power source: AC230V/50Hz, 120V/60Hz The actual figure should refer to the parameter sticker on the box
- > Working Temperature:  $-20^\circ\text{C}$  to  $+80^\circ\text{C}$
- > Maximum Output electric current: 3A
- > Wavelength: 940nm

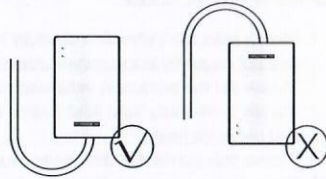


## Installation of the Receiver

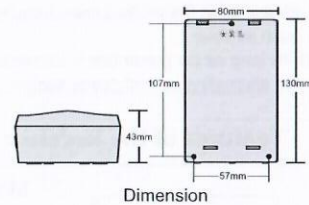
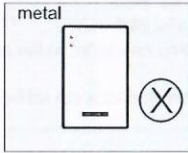
Please read the below instruction before installing the receiver

Attention:

- > When installing the receiver, please make sure the cable exit face down to prevent from potential infiltration water



- > Please keep away from large size metal objects when installing the receiver in case the frequency is affected

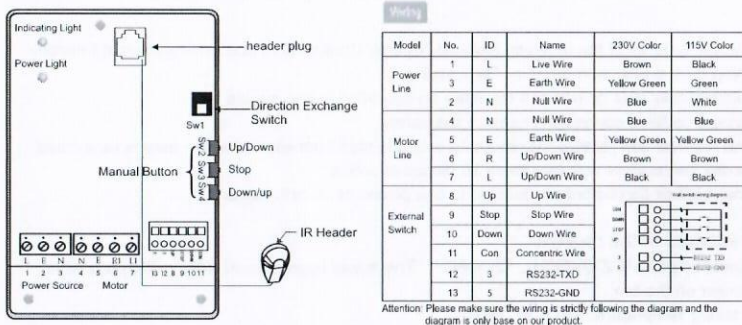


- > Please make sure the distance between two receiver should be at least 20 cm

## Wiring Instruction

The below diagram showcase the wire connection, please following the below instruction during installation

- > The power must be cut before wiring
  - > Please prevent from static electricity as it may damage to some electronic parts
  - > Please use cables that match the local safety standard
  - > The earth wire must be connected
  - > When connecting the control box externally, please make sure the loop resistance is less than 20Ω.
- If the cable lies nearby the strong current, please try to use shielded wire. The qualified UTP cable is recommend for total cable length within 100 meter as the resistance is around 9.2Ω.



If you found the screen rolling in a contrary direction(when you press the up button the screen goes downwards, when you press the down button,the screen goes upwards),you only needs to open the receiver and change the cables for R1 and L1.

## RS485/RS232 Configuration

Central Control Protocol

1. Communication Protocol:

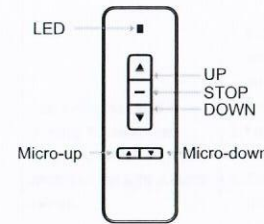
DATA BITS: 8 Digits	INITIAL DIGITS: Digit 1	STOP DIGITS: Digit 1	BAUD RATE: 2400
---------------------	-------------------------	----------------------	-----------------

- UP: 0xFF 0xEE 0xEE 0xEE 0xDD
- STOP: 0xFF 0xEE 0xEE 0xEE 0xCC
- DOWN: 0xFF 0xEE 0xEE 0xEE 0xEE
- MICRO-UP: 0xFF 0xEE 0xEE 0xEE 0xC9
- MICRO-DOWN: 0xFF 0xEE 0xEE 0xEE 0xE9
- Initial Code: 0xFF 0xXX 0xXX 0xXX 0xAA

## FUNCTION :

Model:1GD-IRAn

The Remote control is compatible with the receiver,transfer signal by IR(Wavelength: 940Nm)



Model: 1GD-IRAn

Button Function and Operation Instruction :

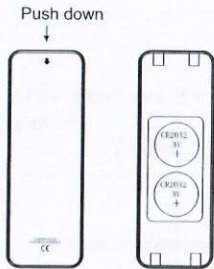
- 1.Press UP button to lift the screen
- 2.Press STOP button to stop the screen
- 3.Press DOWN button to lower the screen
- 4.Press MICRO-UP button to retract the screen in small increments(150ms for each movement)
- 5.Press MICRO-DOWN button to lower the screen in small increments (150ms for each movement)

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 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.

## Set up for controller's batteries

Please change the batteries according to the following steps when the signal of remote control becomes weak.



### 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.

## Diagnosis and treatment for malfunction

If the remote control can't work properly, please check it according to the following steps. While if you can't find the same symptoms and right way to solve the problems please contact with Grandview's local distributor or our after-sales team.

Symptom	Cause	Measure
The instruction LED light on the receiver doesn't work	<ol style="list-style-type: none"> <li>1. Check power.</li> <li>2. The improper cable connection.</li> <li>3. Disconnected for fuse in receiver.</li> </ol>	<ol style="list-style-type: none"> <li>1. Make sure connect the power properly.</li> <li>2. Connect the cable in right way according to Wire circuit diagram.</li> <li>3. Replace with new fuse.</li> </ol>
The instruction light is working but when you press the button on remote controller the light doesn't twinkle.	<ol style="list-style-type: none"> <li>1. Batteries in remote controller run out or wrong direction of fixing the cathode and anode for batteries.</li> <li>2. Incorrect cable connection of the receiver;</li> <li>3. Inappropriate angle or distance of the remote controller.</li> <li>4. There is obstacles between emitter and receiver.</li> <li>5. The header don't plug with the receiver tightly.</li> <li>6. The receiver gets broken.</li> </ol>	<ol style="list-style-type: none"> <li>1. Change the direction of batteries according to the figure in set up for controller batteries first, but if the malfunction still exists then replace them with new batteries.</li> <li>2. Pls refer to cable diagram.</li> <li>3. IR emitter only can work within 8 meters and 30 degrees in front of the receiver.</li> <li>4. Pls clean the obstacles between emitter and header.</li> <li>5. pls plug the header with the receiver tightly.</li> <li>6. Contact with Grandview after-sales team or contact with the local dealer.</li> </ol>