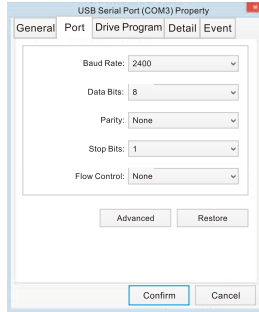RS485/RS232 control protocal:
- Baud Rate: 2400
- Data Bits: 8
- Stop Bits: 1
- Parity: None

Hex command:
- Screen UP: ff ee ee ee dd
- Stop: ff ee ee ee cc
- Down: ff ee ee ee ee
  In some cases you may need to enable the RS-232 control by sending hex command:
  ff ee ee ee aa

USB Serial Port (COM3) Property

General | Port | Drive Program | Detail | Event

Baud Rate: 2400
Data Bits: 8
Parity: None
Stop Bits: 1
Flow Control: None

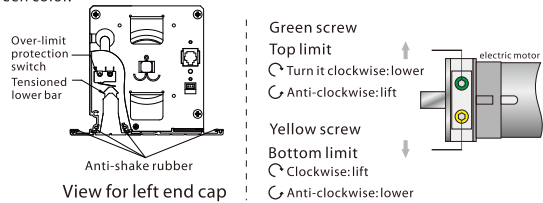Advanced   Restore

Confirm   Cancel

Caution:
- Swap the control cable is loose control of screen after connected RS232 or Rs485.
- Resistance of circuit board is less than 20 Ohm.
- Don't be along with the force interference source cable.

Setting the top/bottom limit:
- 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. As below figure:

  Note: Designed with limit over adjustment protection switch, when over adjust, the bottom bar will touch the switch, and screen will lower automatically. When this situation happened, please refer to the above setting for top limit. Remember it's in Green color.

Over-limit protection switch
Tensioned lower bar

Anti-shake rubber
View for left end cap

Green screw
Top limit
↻ Turn it clockwise: lower
↺ Anti-clockwise: lift

electric motor

Yellow screw
Bottom limit
↻ Clockwise: lift
↺ Anti-clockwise: lower

- Trouble shooting: Product has the over retract protection system. When screen over retract, under bar will automatically lower which means have to reset the up limit. Please check motor limit setting method for reference.
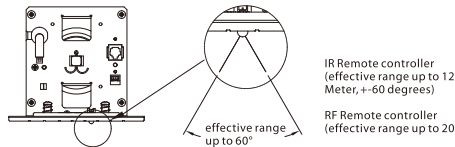
Note:
Please operate carefully, in case of screen over retract causing motor or screen damage. While extending more fabric, please add black boarder within 10CM or it will cause fabric break and fall.

Screen: Voltage AC220-230V/50-60HZ, 0.5Amp, power 100watts.
RF remote(F): Voltage 3V, use CR2450*1 battery.
Radio Frequency: 433Hz.
IR remote: Voltage 12V, use 27A*1 battery.

IR Remote controller (effective range up to 12 Meter, +-60 degrees)

RF Remote controller (effective range up to 20

effective range up to 60°

Liberty Grandview ®

Protecting your Screen:
To ensure long lasting viewing enjoyment keep the screen rolled up when not in use. Check both the front and back surfaces before retracting into the case to make sure it is free of dust, dirt, insects or other foreign matter. Use a soft brush or cloth to lightly remove any foreign particles.

Cleaning your Screen:
Use warm water with a mild detergent to remove any marks on the surface or screen casing (only dab, do not rub). Immediately dry the screen with a soft cloth or towel. Do not leave it to air dry.

Never use any solvents, chemicals or abrasive cleaners on the screen surface as they can permanently damage the screen surface.

Liberty Grandview ®

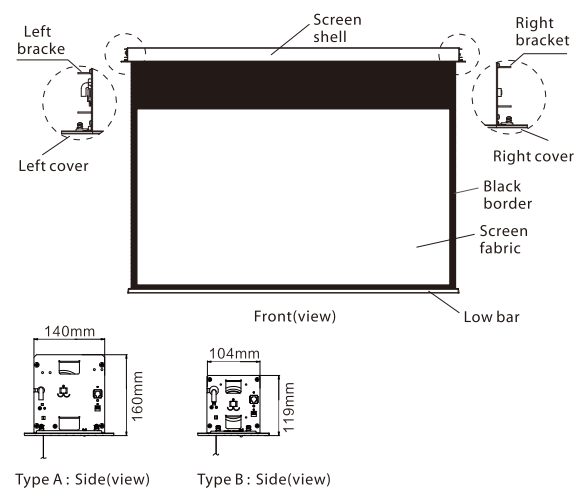# HIDETECH SERIES RECESSED MOTORIZED SCREEN
Intelligent motorized screen

Model:
HT-MIxx
HT-MFxx

Dear Customers:

Thank you for the purchasing of Grandview Hidetech series Recessed Motorized Screen. Before your normal usage of product, please read the specification first, and keep it well for future reference.
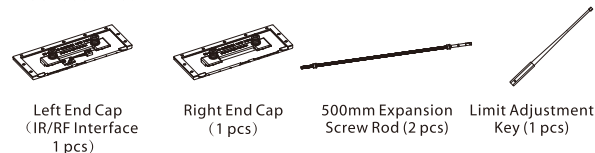
Ceiling hanging Installation

Left bracke
Screen shell
Right bracket
Left cover
Right cover
Black border
Screen fabric
Front(view)
Low bar

140mm
160mm
104mm
119mm

Type A : Side(view)   Type B : Side(view)

A-Type ceiling cut out dimension：cut out length Lt = Screen Total length – 26mm；cut out width 150mm，height≥160mm；

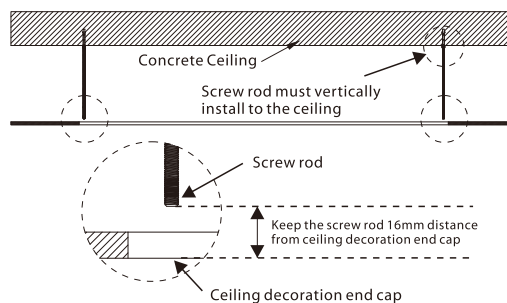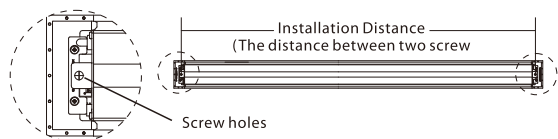B- Type ceiling cut out dimension：cut out length Lt = Screen Total length – 26mm；cut out width 115mm，height≥120mm；

Installation preparation

Accessaries:

Left End Cap（IR/RF Interface 1 pcs）
Right End Cap（1 pcs）
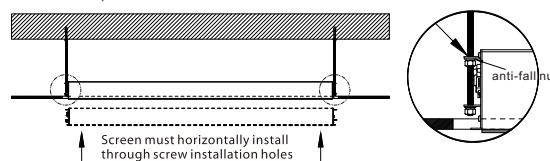500mm Expansion Screw Rod (2 pcs)
Limit Adjustment Key (1 pcs)

Installation Steps

- Cut the ceiling length based on screen two installation screw holes. Cut the screw rod to necessary length then vertically install the expansion screw rod into the ceiling and the other side lock into the screen installation hole which leaving the edge of screw rod 16mm distance from end cap. Please check below:
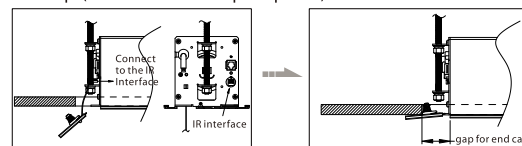
Installation Distance (The distance between two screw)
Screw holes

Concrete Ceiling
Screw rod must vertically install to the ceiling
Screw rod
Keep the screw rod 16mm distance from ceiling decoration end cap
Ceiling decoration end cap

Note: If ceiling is too high, can choose the optical 500mm extension screw rod.

- Hold up the screen carefully, after connecting to the power, please install left and right breckets in the first installation hole sccuratelly and twist the anti-fall nut. Please tightening the anti-fall nut while lifting the screen. Finally, once the screen is flattened to the ceiling decoration, twist the lock nut.

anti-fall nut
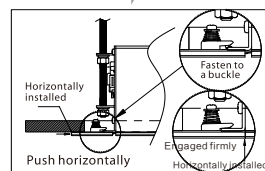Screen must horizontally install through screw installation holes

- The left end cap must install on same side with motor adjustment hole. Please follow below installation figure. It's a similar installation for right end cap. (RF control can skip Step one).

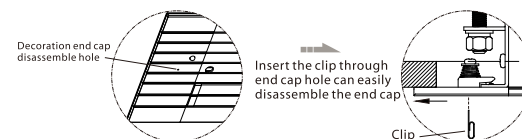Connect to the IR Interface
IR interface
gap for end cap

① Connect with IR sensor to the IR interface.

② Adjust the opening distance to make to left and right sides equally, so that the elastic buckle of left endcap could be put into the ceiling smoothly.

③ Keep the left endcap flattened next to the celling, make sure left and right sides are at the same level with casing before pushing them abreastly with casing surface.
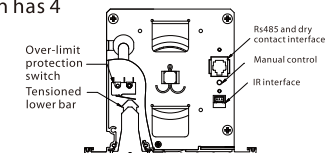
Horizontally installed
Fasten to a buckle
Push horizontally
Engaged firmly
Horizontally installed

Note: If it's not horizontally installed screen end cap, can use a clip to easily disassemble end cap for reinstallation.

Decoration end cap disassemble hole
Insert the clip through end cap hole can easily disassemble the end cap
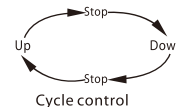Clip

---

Fabric control instruction

Intelligent motorized screen has 4 control options:

A. Manual control
B. IR control or RF control
C. Dry contact control
D. RS485 or RS232 control

Over-limit protection switch
Tensioned lower bar
RS485 and dry contact interface
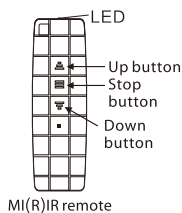Manual control
IR interface

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.

Stop
Up
Down
Stop
Cycle control

B. IR control MI(R) or RF control MI(F):

- Press Up button, screen retract
- Press Stop button, screen stop
- Press Down button, screen expand
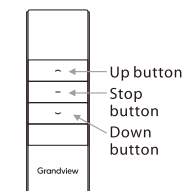- RF remote is pre-setting in factory with the screen, also can reset if necessary.

LED
Up button
Stop button
Down button
MI(R)IR remote

Remote pairing:
It's the remote paring status once motor connect to the power within 10 seconds. Press UP & STOP button together for remote pairing with screen, once done, operate screen go down and go up once for test.
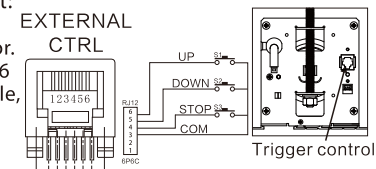
Remote un-pairing:
It's the remote paring status once motor connect to the power within 10 seconds. Press UP & STOP button together for clear the memory, once done, operate screen go down and go up once for test.

Up button
Stop button
Down button
Grandview

C. Using close contact:

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.

EXTERNAL CTRL
UP
DOWN
STOP
COM
RJ12
6P6C
Trigger control

D. RS485 or RS232 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.

6P6C
TXD
GND
DB9