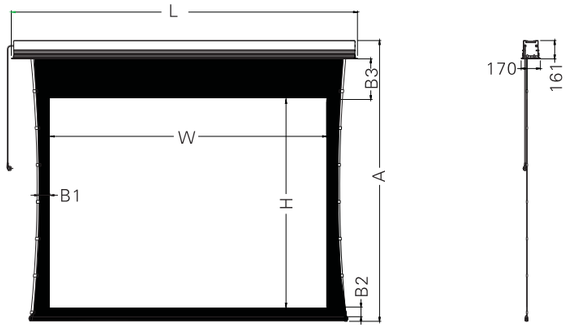


Format	Model	Specification (inch)	Viewing Area WxH(mm)	L (mm)	A (mm)	B1 (mm)	B2 (mm)	B3 (mm)	Package LxHxW(mm)	Net/Gross Weight(kg)
4:3	MF-MIRC- 84	84	1707x1280	2321	1931	100	55	400	2431x260x226	26.8/30.0
	MF-MIRC-100	100	2032x1524	2646	2175	100	55	400	2756x260x226	29.4/33.4
	MF-MIRC-120	120	2438x1829	3052	2480	100	55	400	3162x260x226	33.0/37.4
	MF-MIRC-150	150	3048x2286	3667	2937	100	55	400	3777x260x226	42.2/47.4
16:9	MF-MIRC- 77	77	1705x959	2319	1610	100	55	400	2429x260x226	26.4/29.8
	MF-MIRC- 80	80	1771x996	2385	1647	100	55	400	2495x260x226	27.0/30.4
	MF-MIRC- 92	92	2037x1146	2651	1797	100	55	400	2761x260x226	29.0/33.0
	MF-MIRC-100	100	2214x1245	2828	1869	100	55	400	2938x260x226	30.5/34.5
	MF-MIRC-106	106	2347x1320	2961	1971	100	55	400	3071x260x226	31.6/35.8
	MF-MIRC-120	120	2657x1494	3271	2145	100	55	400	3381x260x226	34.2/38.8
	MF-MIRC-150	150	3321x1868	3940	2519	100	55	400	4050x260x226	44.0/49.4
2.35:1	MF-MIRC-100	100	2337x995	2951	1841	100	50	400	3061x260x226	31.2/35.4
	MF-MIRC-110	110	2571x1094	3185	1940	100	50	400	3295x260x226	33.0/37.5
	MF-MIRC-120	120	2805x1193	3419	2039	100	50	400	3529x260x226	35.0/39.8
	MF-MIRC-130	130	3038x1293	3657	2139	100	50	400	3767x260x226	40.5/45.6
	MF-MIRC-140	140	3272x1392	3891	2138	100	50	400	4001x260x226	42.8/48.0

Note:
1. Due to product updates, sizes and specifications are subject to change at any time.
The tolerance for L is approximately ± 5mm (3/16 inches).
2. Actual dimension is measured by: total screen length L x end cap depth x end cap height.

Monoprice, Inc.
11701 6th Street, Rancho Cucamonga, CA 91730, USA
www.monoprice.com

ISO9001:2000
International Certification

MONOPRICE®

Instruction Manual for Recessed Ceiling Screen

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

Caution

Warnings: Please prevent screen from wet place to avoid electric or fire dangerous.

1. Please read carefully with this instructions before installation to avoid damage to product causing by inappropriate installation or operation.
2. Please keep the screen away from hot sources, such as radiator, heating machine, fireplace, loudspeaker or other relative device.
3. Only Plug with ground wire is acceptable.
4. Only accessories from authorized supplier is acceptable.
5. Please unplug the power wire when lighting and raining or not use with a long time.
6. Please handle the repair work to the professional agent.
7. Please prevent screen from wet and water .
8. As soon as the plug of the screen is connected to the power source, the screen is connecting with electricity.
9. Please use the approved power line (three-core power line)/ device interface/power plug.
10. Please use the rating (voltage, amps) power line (three-core power line) / device interface/power plug. If have any questions about power line/ device interface/power plug, please contact the professional people.
11. After installation, please locate a power device in order to disconnect power or connect the power plug to electrical socket. This electrical socket should be installed to a convenient position. If the accident occurs during operation, please disconnect power or take out the power plug.
12. The ceiling or wall used for fixture installation must be secure enough; load-bearing requirement must be 4 times of the screen to prevent the screens from falling.

Warnings

To prevent from electric dangerous, please don't remove the end cap. There is no need for users to check the parts inside, please handle the problems to professional repairman.

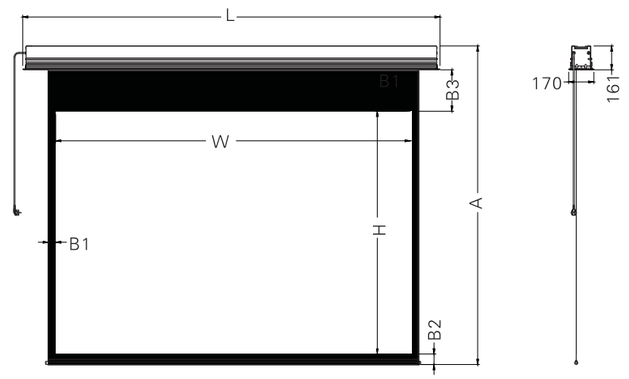
Please notice the non-insulated voltage of the spare parts to prevent from electric dangerous.

Please operate according to the user manual with the screen.

(1) For adjusting the viewing area, please insert the adjustment to regulate adjustment hole. A clockwise adjustment will increase the viewing area for about 13mm.
Note: After pressing the Up button, you will need a few seconds to see the adjustment of screen; and after pressing the down button, you will see the position changed of screen.
Please do not operate the following step before step1 to avoid damages of screen.
(2) A counterclockwise cycle can adjust the distance to 13mm between casing and rod.

Please be careful while operating, too much retracting will cause the damages of screen and motor.

Product Specifications

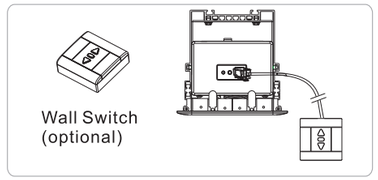


Format	Model	Specification (inch)	Viewing Area WxH(mm)	L (mm)	A (mm)	B1 (mm)	B2 (mm)	B3 (mm)	Package LxHxW(mm)	Net/Gross Weight(kg)
4:3	MB-MIRC- 72	72	1463x1097	1847	1388	30	50	80	1913x260x226	20.2/23.0
	MB-MIRC- 84	84	1707x1280	2131	1571	50	50	80	2197x260x226	24.0/27.2
	MB-MIRC- 100	100	2032x1524	2456	1815	50	50	80	2522x260x226	26.6/30.2
	MB-MIRC- 120	120	2438x1829	2862	2120	50	50	80	2928x260x226	29.3/33.4
	MB-MIRC- 150	150	3048x2286	3472	2607	50	50	80	3538x260x226	35.4/40.2
	MB-MIRC- 180	180	3658x2743	4147	3064	80	80	80	4213x260x226	46.2/51.8
	MB-MIRC- 200	200	4064x3048	4553	3369	80	80	80	4619x260x226	50.5/56.8
	MB-MIRC- 240	240	4877x3658	5366	3979	80	80	80	5432x260x226	59.6/66.8
16:9	MB-MIRC- 77	77	1705x959	2129	2020	50	50	850	2195x260x226	24.5/27.8
	MB-MIRC- 80	80	1771x996	2151	2007	28	50	850	2217x260x226	24.7/28.0
	MB-MIRC- 92	92	2037x1146	2461	2007	50	50	650	2527x260x226	27.0/30.5
	MB-MIRC- 100	100	2214x1245	2639	2006	50	50	550	2704x260x226	28.2/32.0
	MB-MIRC- 106	106	2347x1320	2771	2031	50	50	500	2837x260x226	29.2/33.0
	MB-MIRC- 120	120	2657x1494	3081	2105	50	50	400	3147x260x226	31.6/36.0
	MB-MIRC- 150	150	3321x1868	3750	2409	50	80	300	3816x260x226	41.2/46.5
	MB-MIRC- 180	180	3984x2241	4474	2782	80	80	300	4540x260x226	48.5/54.5
	MB-MIRC- 200	200	4428x2491	4917	3032	80	80	300	4983x260x226	52.8/59.5

Note:
1. Due to product updates, sizes and specifications are subject to change at any time.
The tolerance for L is approximately ± 5mm (3/16 inches).
2. Actual dimension is measured by: total screen length L x end cap depth x end cap height.

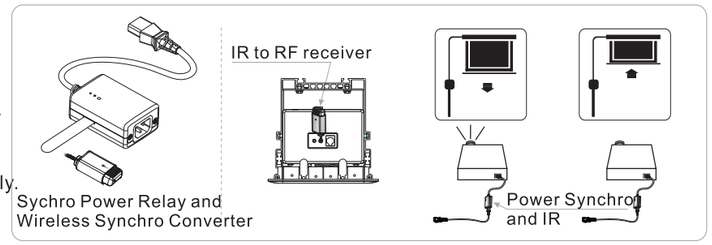
D. External Wall Switch (optional)

The wall switch is available for a fixed location. Please connect RJ11 plug to EXTCTRL input on the screen.
Note: please use a cord for a far location.



E. Synchro Power Relay(optional)

After connecting the Wireless Synchro Converter, the screen can be controlled by FM modulation wireless controller which can cooperate with Sychro Power Relay and switch of projector to control the up and down of screen synchronously.

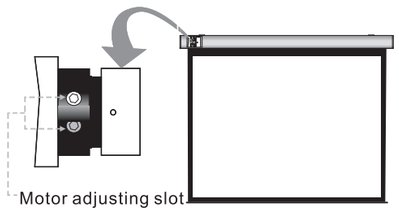


3. Screen Adjustment

(Please take apart the baffle when adjusting the screen. And please reinstall the baffle after adjusting.)

Motor Positioning

Avoid the overheating of motor; please do not use the screen over 4 seconds for extending and retracting continuously. The motor needs 4 minutes to cold down and the motor do not need any lubricant. The standard factory setting of upper and lower limitation is perfect. To avoid the damage, please contact the professional people or local dealers for repairing.
Pleae adjust the motor adjusting slot using M4 allen key



“Screen Extending” Adjustment

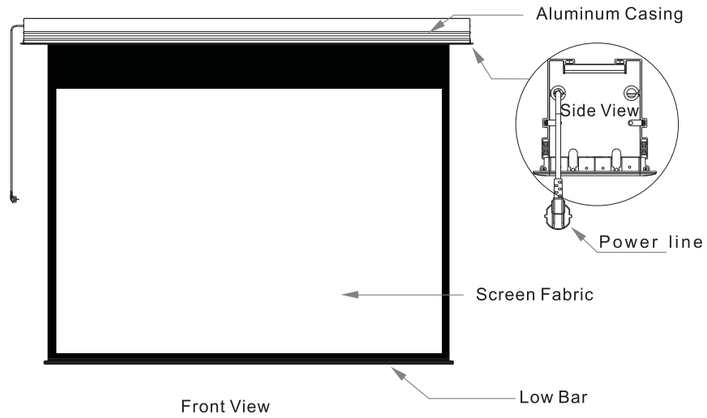
Operate the adjustment when the screen extends completely:
(1) For adjusting the viewing area, please insert the adjustment to regulate adjustment hole. A clockwise adjustment will increase the viewing area for about 13mm.
Note: After pressing the“Up“ button, you will need a few seconds to see the adjustment of screen; and after pressing the“down“ button, you will see the position changed of screen.
(2) With the over-adjustment, a counter-clockwise adjustment will return the screen. This adjustment can be operated when the screen stops at the lowest postion without controlling.

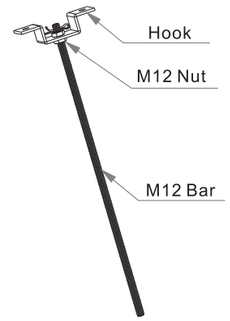
⚠ Please be careful while operating, too much retracting will cause the damages of screen and motor.

“Screen Retracting” Adjustment

Reference:
(Note: This adjustment is not safety, please contact the professional people for repairing and avoid damaging of screen and warranty failure)
“Caution” we strongly recommend that do not regulate the screen limitation privately. The standard limitation of screen is set from the factory and this standard can satisfy the requirement of users.

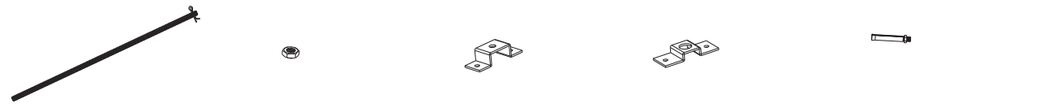
Description





Accessaries

- M12 Bar (4pcs)
- M12 Nut (12pcs)
- Hook (4pcs)
- Pressing Piece (2pcs)
- M10X100 Expansion Screw (8pcs)

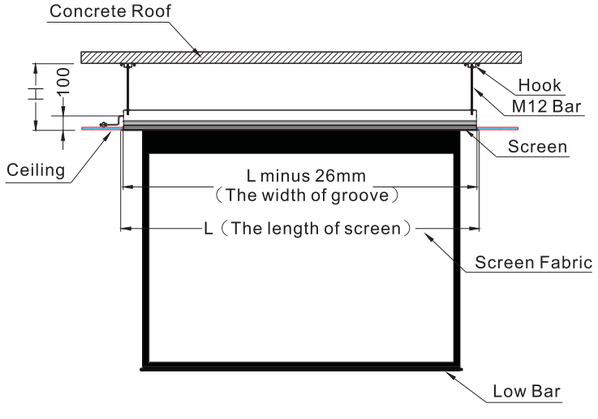


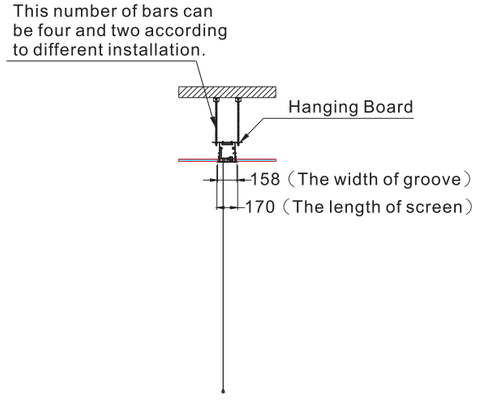
- Wrench (1pc)
- Hanging Board (2pcs)
- M6 Allen Screw (4pcs)
- M6 Nut (4pcs)
- M5 Screw (4pcs)

- Infrared Remote Controller (1pc)
- External Infrared Receiver (1pc)
- Trigger Line (1pc)
- Instruction Manual (1pc)

Installation Instruction

This screen needs to be recessed into the ceiling, and this instruction manual shows us the grille-ceiling and wood-ceiling as example. Please install the screen according to different applications. This screen needs to be recessed at the best viewing angle in order to improve the image. Take out all the parts from the packaging and follow the accessories guideline to ensure you have all parts.





Grille-Ceiling Mount

1.Choose a position according to the required space, and then take apart the ceiling (figure 1). Please measure the distance H between concrete roof and ceiling surface correctly (figure 2).

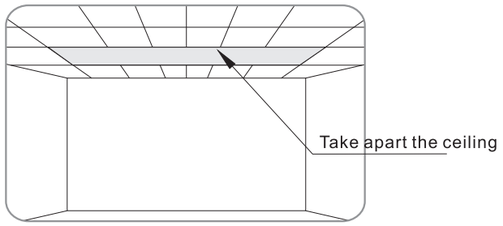


Figure 1

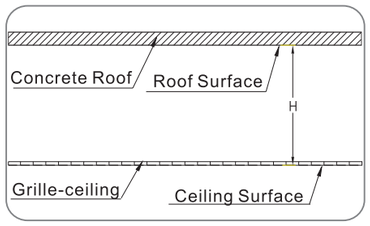


Figure 2

2.This screen equips bracket, and build up the hanging bracket using the hook, M12 nut and M12 bar. Cut the length of M12 bar to H minus 100mm(H is the distance between concrete roof and ceiling surface) (Note: H is 500mm, the length of hanging bracket is 400m which is 500mm minus 100mm) (figure 3).

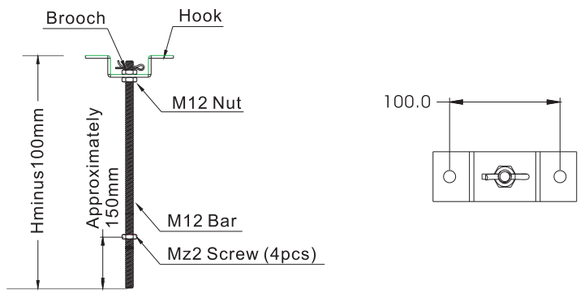
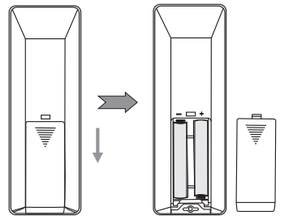


figure 3



Back View

Caution

1.The shortest distance between receiver and emitter is 50cm。

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 is covered by somthing。

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。

Controller Battery Installation

1.Turn the controller around，push to open the cover as guide arrow.

2.Put the battery in according to the guide of cathode anode。

3.Close the cover。

External Control System

Four control systems are available for motorized screen

(1)Manual Control

(2)Infrared Remote Control (IR)

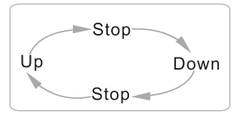
(3)Dry Contact

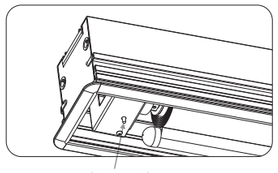
(4)Switch

A.Manual Control:

The manual control button is under power box:

(Close to power line)Cyclic Control

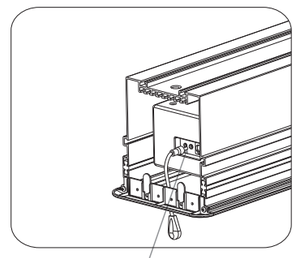




Cyclic Control

B. Infrared Remote Control:

Because of the recessed mount, the external infrared EXT Ir input must be in serted by external infrared receiver, then please fix it in eyes for control.

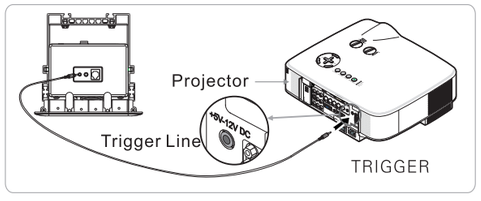


External Infrared Input

C. Trigger :

1. Please connect 2,5mm plug of trigger to the TRIG input on the screen; connect 3.5mm plug to the output on trigger (only for the equip ments which have trigger function)

2. The projection screen will automatically lower when the projector is on. It will automatically retract when the projector is turned off



11. Installation Completed (figure 27).

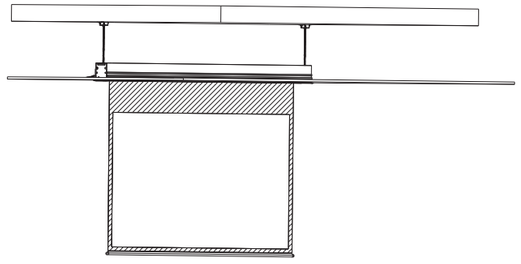


Figure27

Note: the upward instructions are only suitable for the distance H which between 200-600mm; if the distance is greater than 600mm, please follow the steps as below:

1)Install the hanging bracket at a required position before ceiling fitment (M12 bar is not provided) (figure 28).

2)Saw an oblong groove at a completed ceiling (note: please ensure the hanging bracket must be installed in the middle of this groove) (figure 29). The rest of steps can follow the instructions as before!

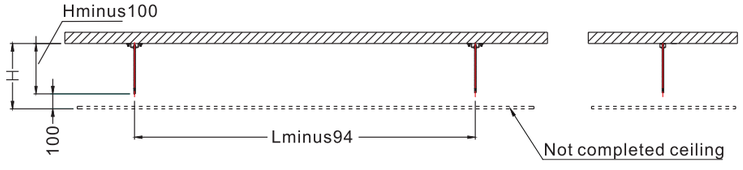


Figure28

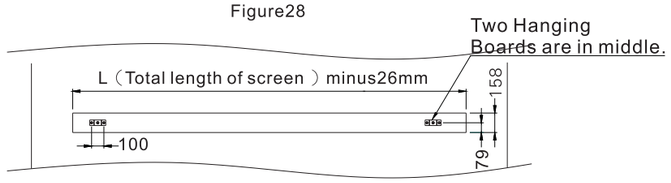
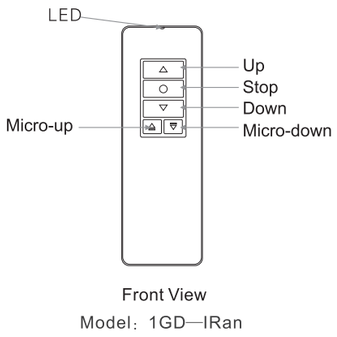


Figure29

Product Instruction



Front View

Model：1GD—IRan

1.Infrared Remote Control

Controller Buttons Function Instruction

1.Press button ▵ ，screen goes up。

2.Press button ▽ ，screen goes down。

3.Press button ○ ，screen stops。

4.Press Micro-up button ▵ ，screen can be increased by fine-tuning。

5.Press Micro-down button ▽ ，screen can be decreased by fine-tuning。

3.Please measure the security distance between hanging brackets (figure 4), and fix the hanging brackets on the ceiling using expansion screws (figure 5).

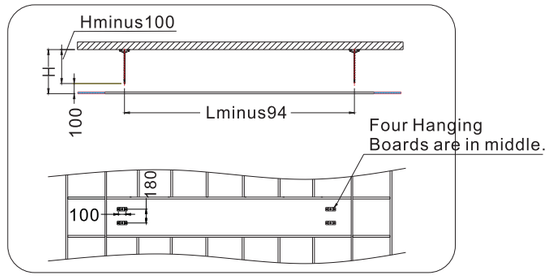


figure 4

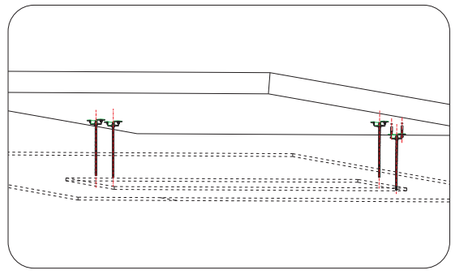


figure 5

4, Please follow the below steps to install the power cord which recessing in casing, and plug in the external infrared receiver (because of the recessed mount, the external infrared receiver must be ready for control).

1)Take out the power cord (figure 6).

2)Loose the screws of power box and take out the power box (note: the power box must be buttoned on the hanger of bracket according to figure 11, please put up and move back the power box to take out), because the power cord has a limit, please do not draw it strongly.

3)Loose and take out two rubber screws, then remove the end cap (figure 8-9).

4)Remove the line cover of end cap, then fill in the power line. Afterward, stuck the line cover back to end cap, then install the power line outside the casing.

5)Install the end cap again (figure 10)

6)Insert the external infrared receiver to EXT IR hole (figure 10) (note: please put the completed external infrared receiver into inside frame of screen to avoid the pressing from screen). Then install the power box back to bracket (note: ensure the power box is buttoned on the hanger of bracket) (figure 11).

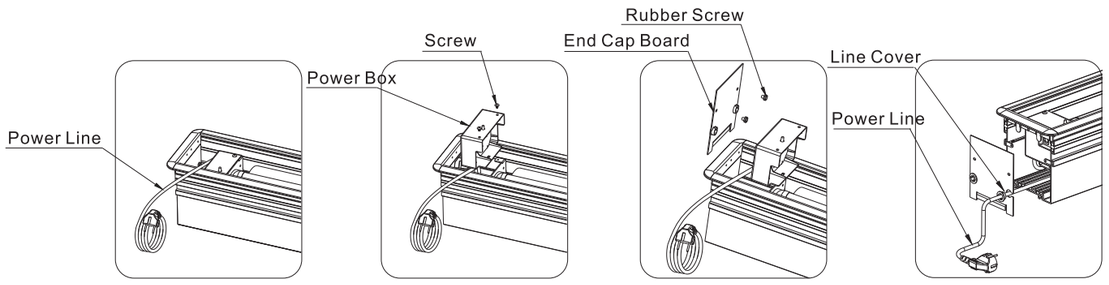


Figure6 Figure7 Figure8 Figure9

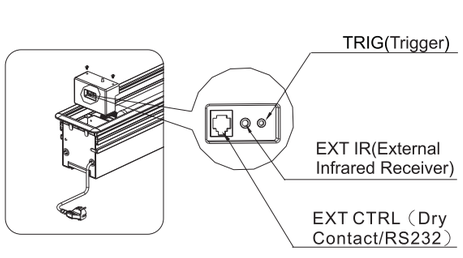


Figure 10

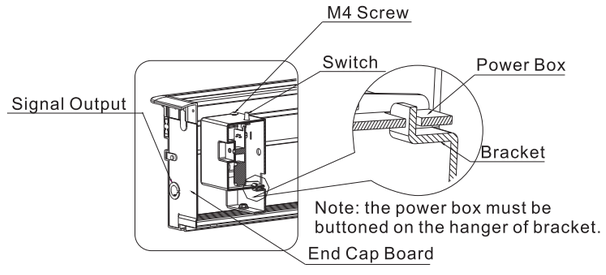
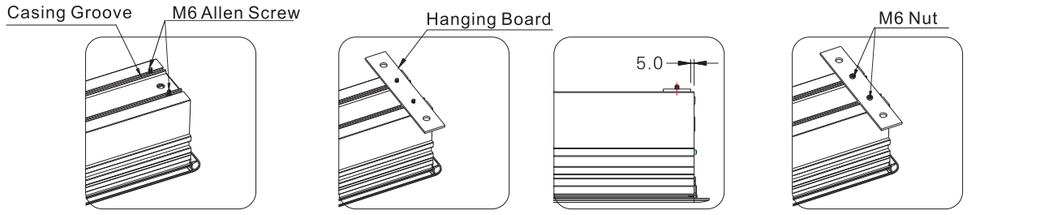


Figure 11

5.Please stay the screen in the opposite direction, and fix the left and right hanging board on the screen using M6 screw and nut (figure 12).



1)Stay the M6 allen screw in the groove of casing.

2) Install the hanging board

3) Please ensure the distance between edge of hanging board and the edge of casing is 5mm.

4) Fasten the hanging board using M6 nut, and install other hanging board at the same way.

figure 12

6. Install the whole screen on the hanging bracket (figure 13-14)

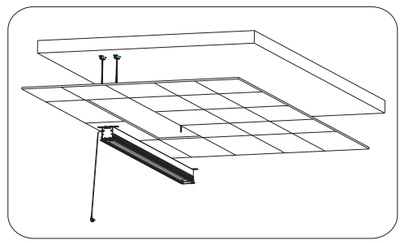


Figure13

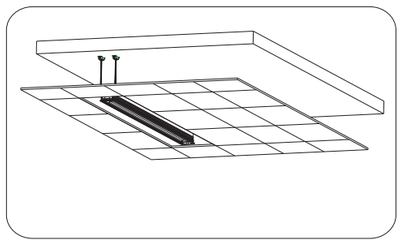


Figure14

7. Fix the screen using M12 nut (figure 15), then adjust the security distance to H (the distance between concrete roof and ceiling surface) using adjusting screw. Loose the M12 nut and fix the whole screen, and then connect the power (figure 16).

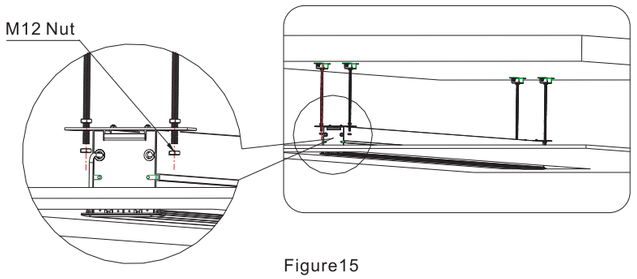


Figure15

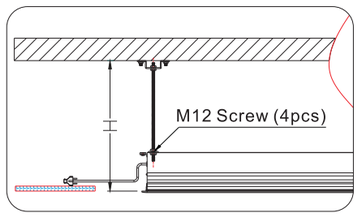


Figure16

8. Cut the separated ceiling board in a suitable size, which can fill in the size of space as screen (figure 17-18).

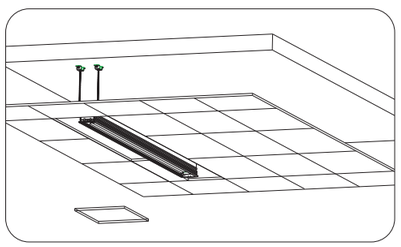


Figure17

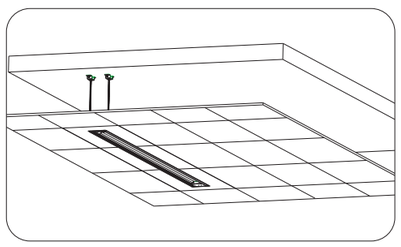


Figure18

Note: the upward instruction shows us installation of external control system, if the users want to add other control systems, please follow the steps as below:

1)Loose the screws of power box and take out the power box (because the power cord has a limit, please do not draw it strongly). Then loose two rubber screws again, and remove the end cap (please ensure the power line is fixed), step 3 can be follow.

2)Insert the control system signal line to corresponding output (figure 11), and take out the signal line from control system signal line exit (figure 19).

3)Reinstall the end cap after completed control system and fasten the two rubber screws then reinstall the power box and fasten two screws according to step 8.

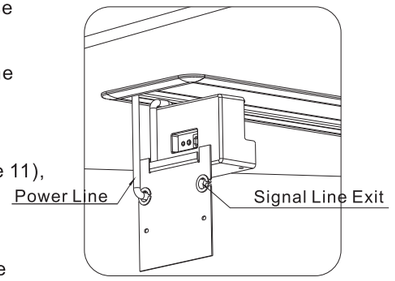


Figure21

10. Install the large and small baffle (the screen size up to 120"equips large and small baffle, the screen size larger than 120"equips large baffle only).

1）Please ensure the security lock is unlocked (figure 20 and 22).

2）Install the large and small baffle (figure 21)

3）Unlock the security lock of baffle (figure 23), insert the plug of security to a hole of end cap (figure 24), if the baffle can not move up that please align baffle with ceiling board.

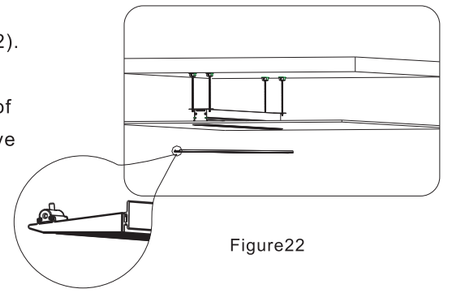
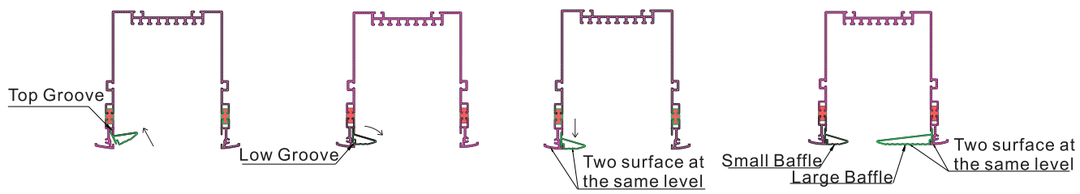


Figure22



1) Insert the baffle to top groove.

2) Stay flat the baffle, and clip it to low groove.

3) Press the baffle slightly and align it with ceiling board.

4) The installation of large baffle is the same.

Figure23

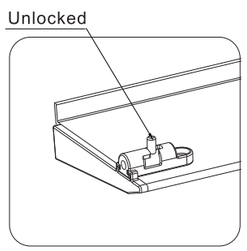


Figure24

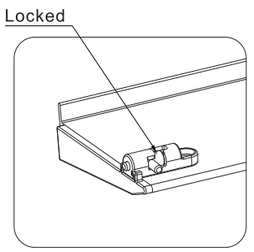


Figure25

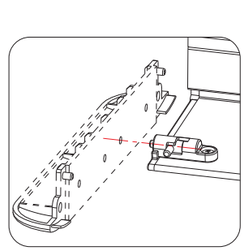


Figure26

6. Fix the screen using M12 nut, then fasten the nut by wrench (accessories) (figure 13-14); until the ornament board align the ceiling (figure 15) and connect the power.

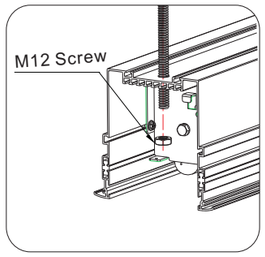


Figure13

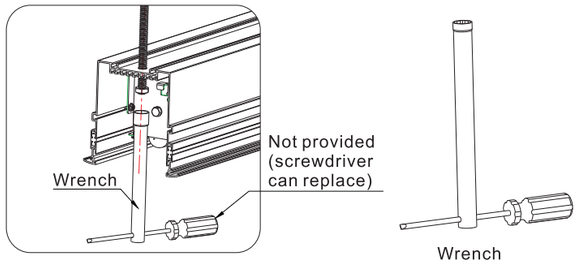


Figure14

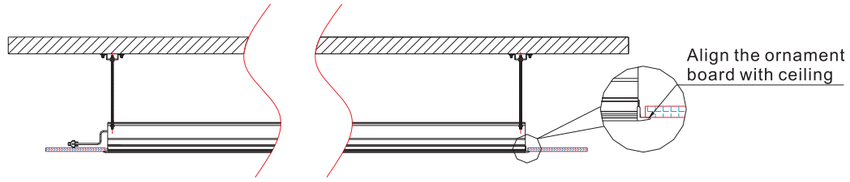


Figure15

7.Please ensure the hexagon surface of nut and inside surface of casing are at the same level (figure 16); stay the pressing piece on the nut (figure 17-18)

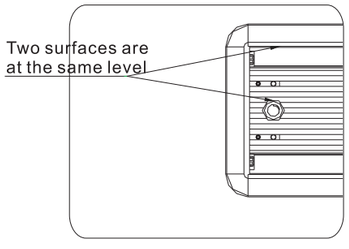


Figure16

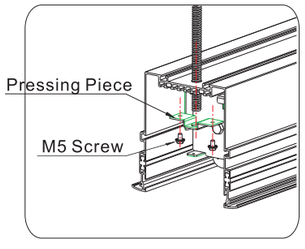


Figure17

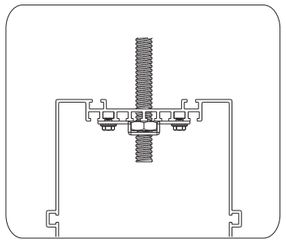


Figure18

8. Insert the external infrared receiver to EXT IR hole（figure 18）,because of the recessed mount, the external infrared receiver must be ready for control, then install the power box back to bracket .
(note: ensure the power box is buttoned on the hanger of bracket) (figure 19).

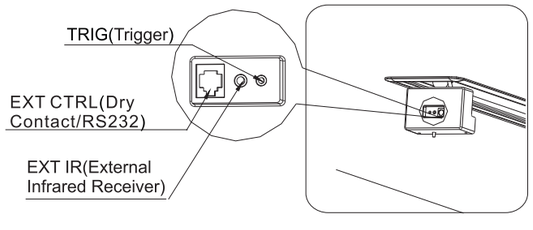


Figure18

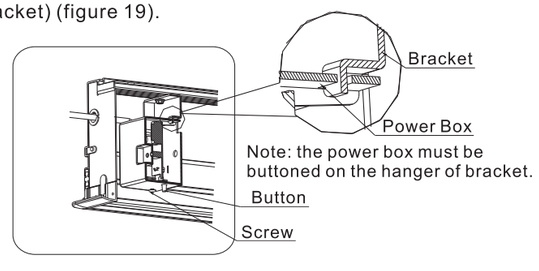


Figure19

Note: the upward instruction shows us installation of external control system, if the users want to add other control systems, please follow the steps as below:
1)Loose the screws of power box and take out the power box (because the power cord has a limit, please do not draw it strongly). Then loose two rubber screws again, and remove the end cap (please ensure the power line is fixed), step 3 can be follow.
2)Insert the control system signal line to corresponding output (figure 11), and take out the signal line from control system signal line exit (figure 18).
3)Reinstall the end cap after completed control system and fasten the two rubber screws then reinstall the power box and fasten two screws according to step 4.

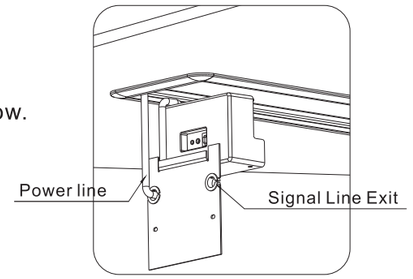


Figure19

10. Install the large and small baffle (the screen size up to 120″ equips large and small baffle, the screen size larger than 120″ equips large baffle only).

1)Please ensure the security lock is unlocked (figure 20 and 22).
2)Install the large and small baffle (figure 21)
3)Unlock the security lock of baffle (figure 23), insert the plug of security to a hole of end cap (figure 24), if the baffle can not move up that please align baffle with ceiling board.

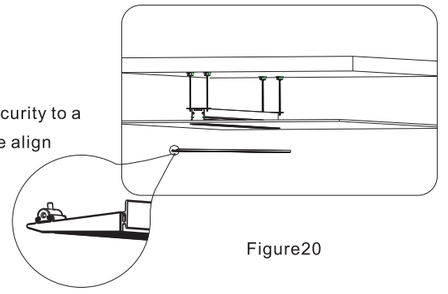
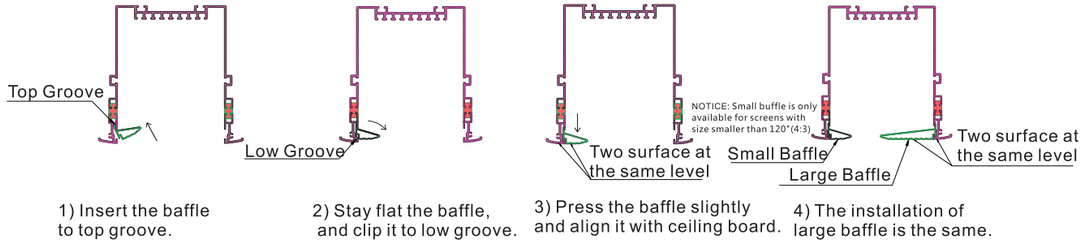


Figure20



1) Insert the baffle to top groove.
2) Stay flat the baffle, and clip it to low groove.
3) Press the baffle slightly and align it with ceiling board.
4) The installation of large baffle is the same.

Figure21

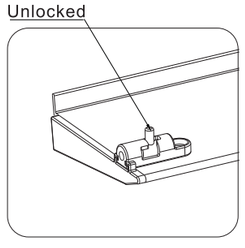


Figure22

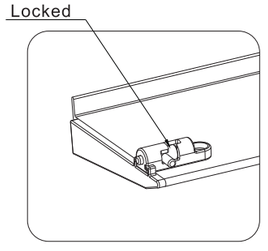


Figure23

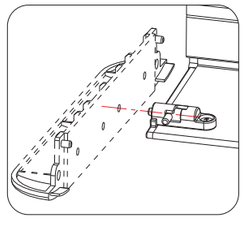


Figure24

11. Installation Completed (figure 25).

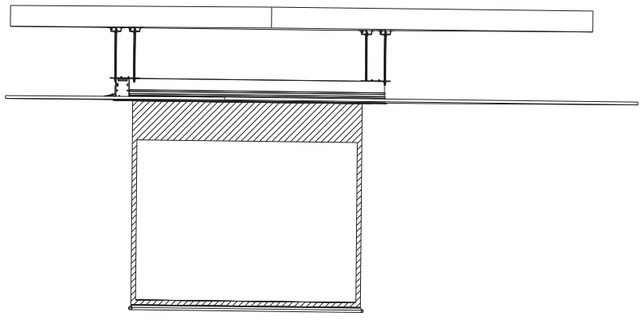


Figure25

.Note: the length of M12 bar is 500mm. Please prepare the bar your self if the distance H (between concrete roof and ceiling) is longer than 600mm.

Wood Ceiling

1. Saw an oblong groove at a required position (figure 1); Please measure the distance H between concrete roof and ceiling surface correctly (figure 2).

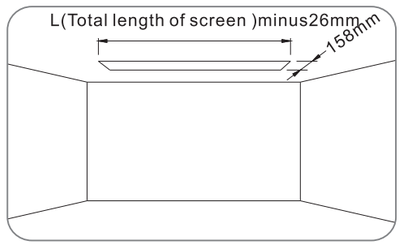


Figure1

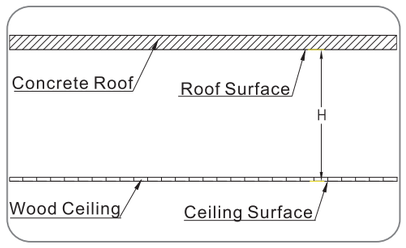


Figure2

2.This screen equips bracket, and build up the hanging bracket using the hook, M12 nut and M12 bar. Cut the length of M12 bar to H minus 100mm(H is the distance between concrete roof and ceiling surface) (Note: H is 500mm, the length of hanging bracket is 400m which is 500mm minus 100mm) (figure 3).

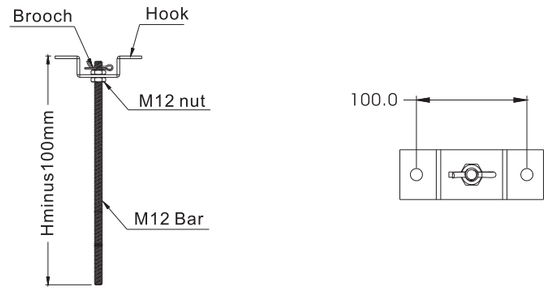


Figure 3

3.Please measure the security distance between hanging brackets (figure 4), and fix the hanging brackets on the ceiling using expansion screws (figure 5).

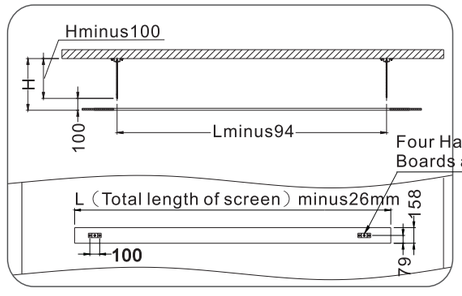


Figure 4

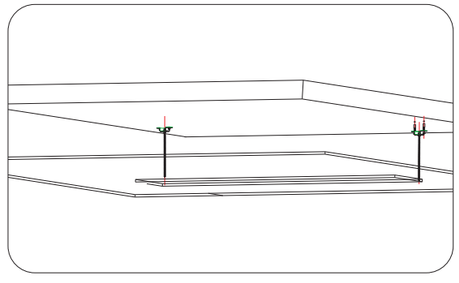


Figure 5

4, Please follow the below steps to install the power cord which recessing in casing .

1)Take out the power cord (figure 6).

2)Loose the screws of power box and take out the power box (note: the power box must be buttoned on the hanger of bracket according to figure 11, please put up and move back the power box to take out), because the power cord has a limit, please do not draw it strongly.

3)Loose and take out two rubber screws, then remove the end cap (figure 8).

4)Remove the line cover of end cap, and then fill in the power line. Afterward, stuck the line cover back to end cap, then install the power line outside the casing (figure 9)

5) Please complete the installation of end cap and fasten two rubber screws; do not need to install the power box at this moment.

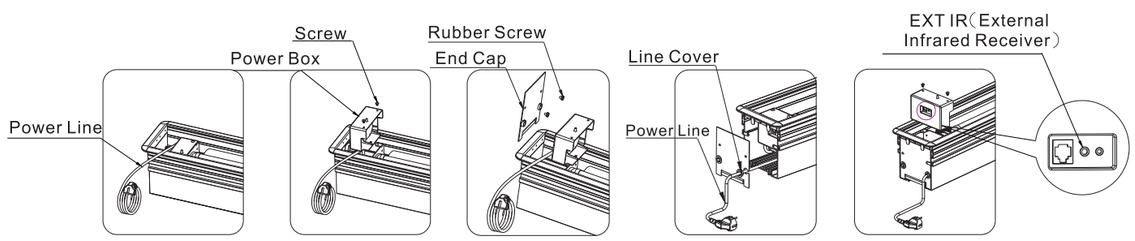


Figure6 Figure7 Figure8 Figure9 图10

5. Install the whole screen on the hanging bracket (figure 11-12)

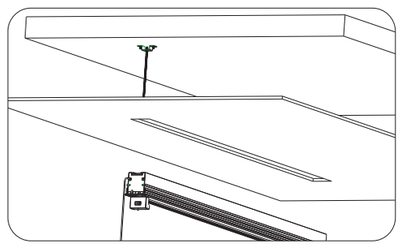


Figure11

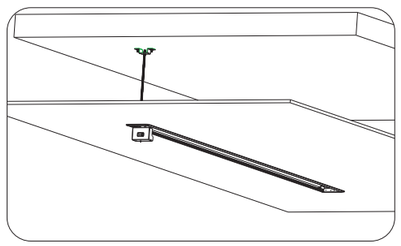


Figure12