

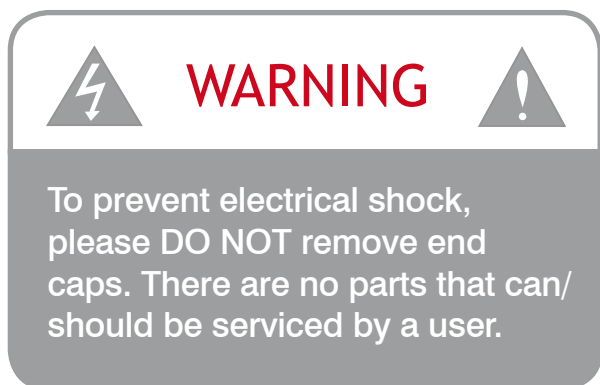
Smart Combo Tab Tensioned Screen User Manual

Model: 106H / 120H / 150H / 120C

Caution

Warning: To prevent electrical shock or damage do not expose this unit to any liquids including rain or excessive humidity!

1. Please read these instructions carefully to avoid damage due to inappropriate installation and/or operation.
2. Please keep the screen away from heating/cooling sources, such as radiators, heaters, ducted heating/air-conditioning vents, fireplaces and/or other relatively harmful/dusty electrical devices.
3. ALL electrical work must be completed by a Licensed Electrician in accordance with regulations in your area.
4. Please use only original spare parts and/or accessories supplied by authorised dealers.
5. Remove power plug from wall socket when screen is not in use for prolonged periods or during stormy weather.
6. Please refer any service and/or repair work to a Qualified Technician/Electrician from an authorised dealer.
7. Please use appropriately rated 3 pin, (Earthed) power cords, (240 Volts, 10 Amps).
8. Please ensure you have adequate access to the electrical wall socket, (General Purpose Outlet) in order to switch the unit off in an emergency.
9. The ceiling/wall being used to anchor this screen must be rated to at least 4 x times the weight of the screen being installed.
10. We strongly recommend and encourage you use experienced reputable AV Installers for this product.

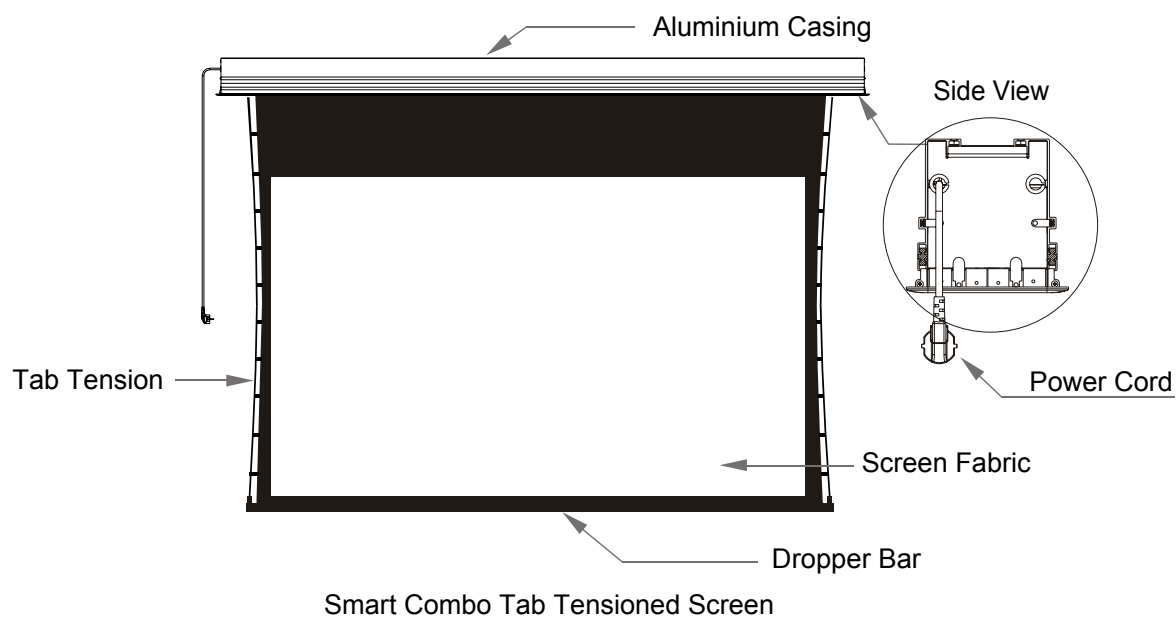


Please avoid touching internal parts as electrical voltages may cause harm.

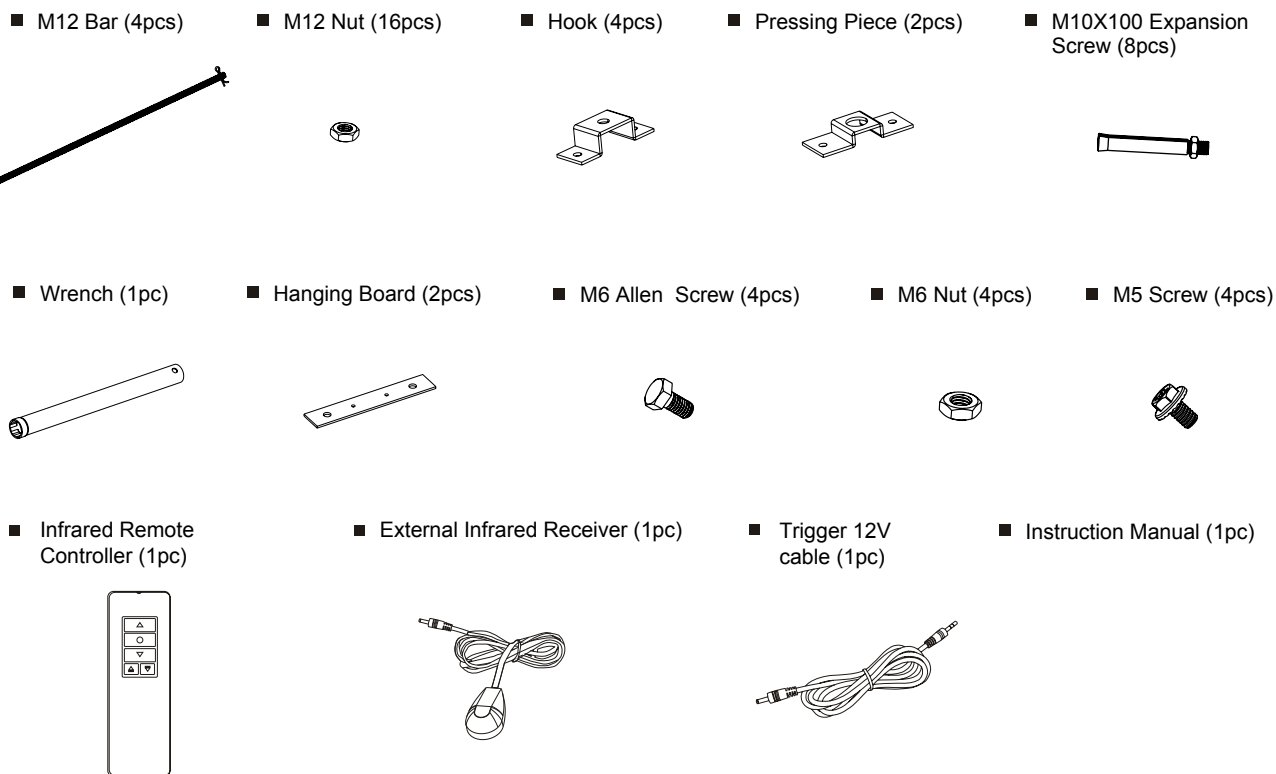


Please operate the screen only in accordance with instructions provided within this manual. Failure to do so may cause damage and void warranty.

Description



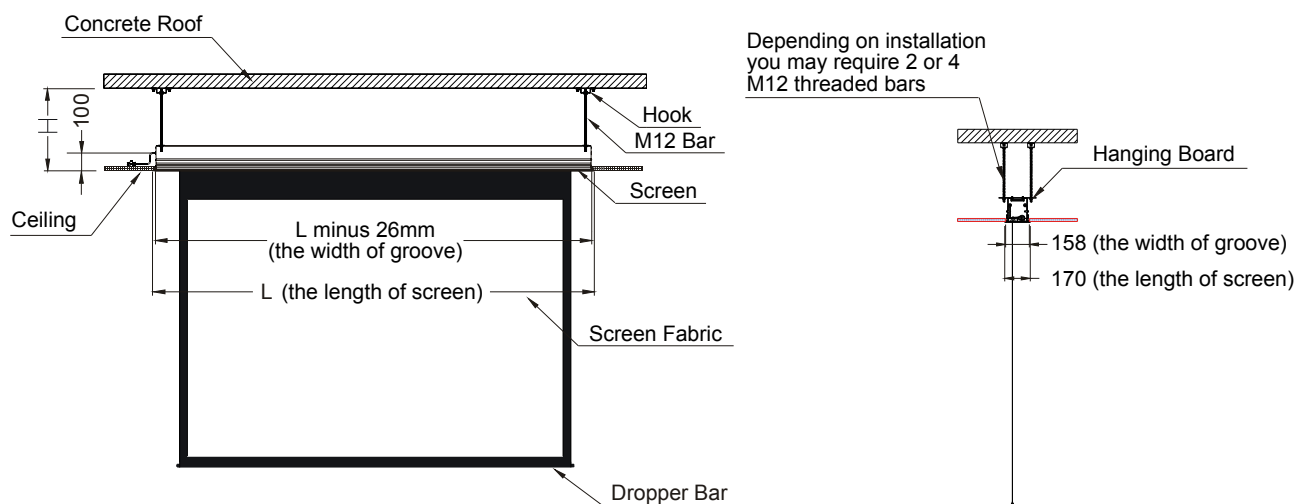
Accessories



Installation Instructions

The screen needs to be recessed into the ceiling cavity. This manual demonstrates 2 types of installations that could be used for suspension or false plaster ceilings.

Please check all necessary parts and quantities for your preferred method before commencing the installation.



Suspension Ceiling Installation

- 1 Choose a position according to the required space and remove the selected ceiling tiles (figure 1). Please measure the distance "H" (figure 2) between the concrete roof and ceiling surface.

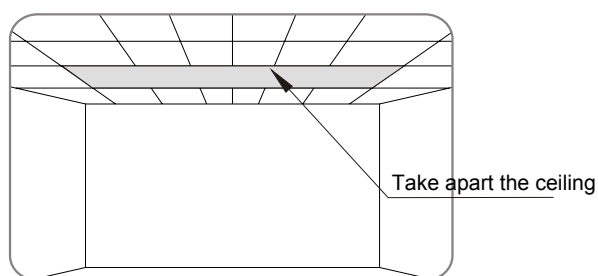


Figure 1

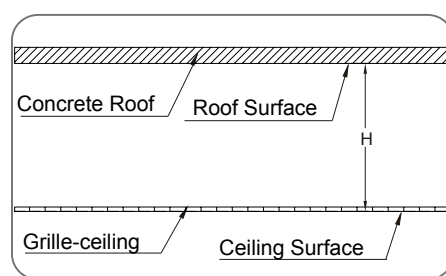


Figure 2

- 2 Trim the M12 Bars to the required length, (example: H is 500mm, the length of hanging bracket 400mm which is 500mm minus 100mm) and then assemble the M12 bar as shown below, (figure 3) using the provided Hooks and M12 nuts.

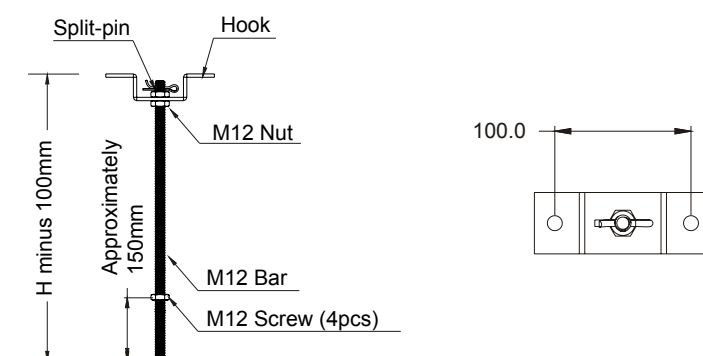


Figure 3

3

Mark the location for each of the 4 assembled ceiling Hooks, (usually length of case minus 94mm) at 180mm apart and secure them using the expansion screws provided, (figure 5). The M12 Bars should be ready to secure the case once it has been assembled.

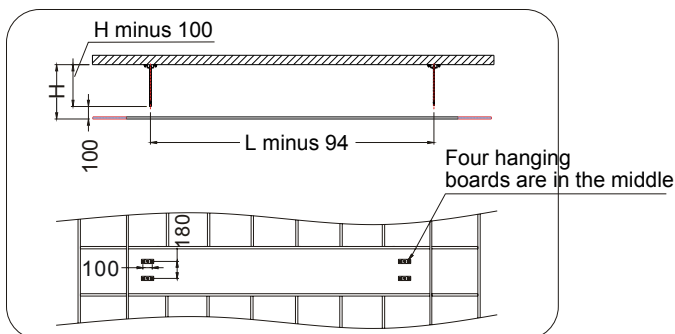


Figure 4

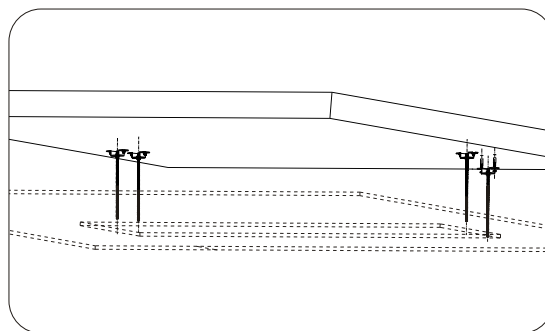


Figure 5

Case Assembly

4

It may be easier to install the power cord, external infrared receiver or 12V trigger before installing the case into the ceiling recess.

- Remove the 2 screws containing the power box assembly, (figure 7).
- Feed power cable through end plate and terminate in power assembly box, (figure 8 and 9).
- Also feed through the 12 Volt Trigger cable, the External Control cable and/or Infra Red Receiver, (if required – figure 10).
- Re-align the back of the power box assembly slot with the bracket, (figure 11) and insert the 2 screws and end plate.

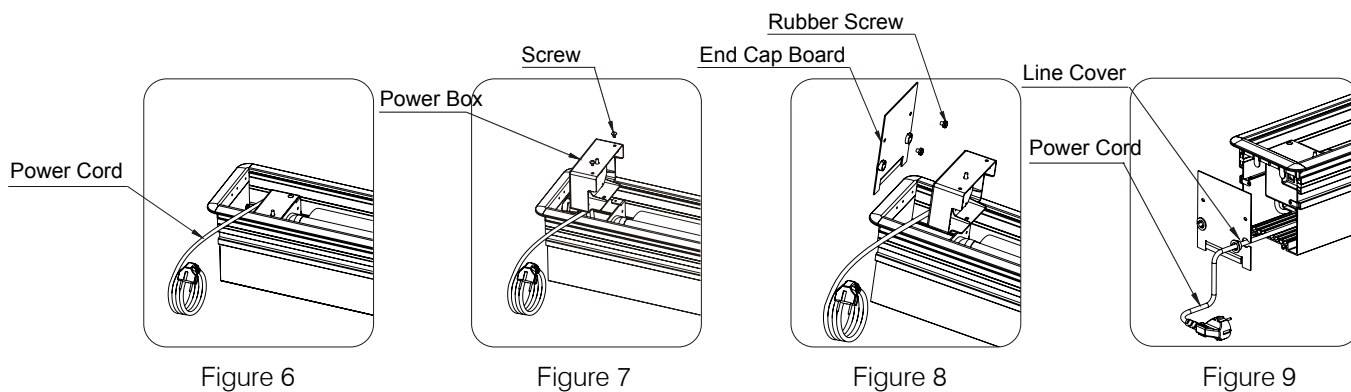


Figure 6

Figure 7

Figure 8

Figure 9

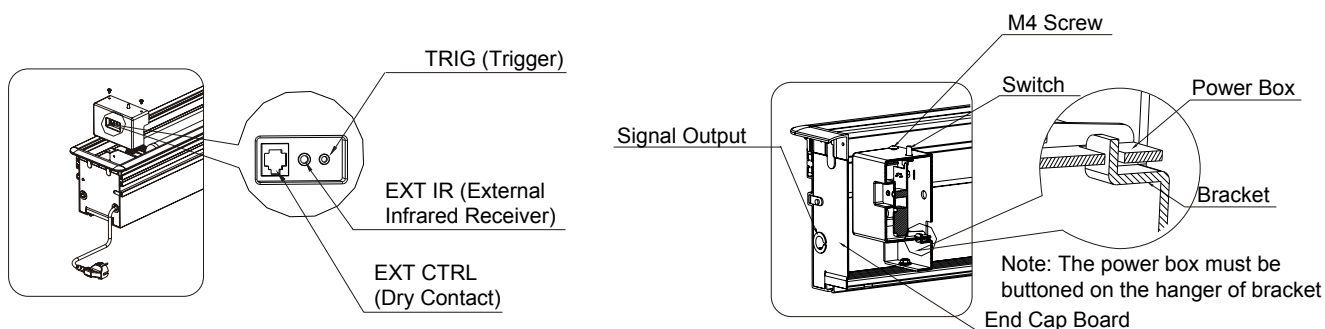


Figure 10

Figure 11

5

Slide an M6 Hex Head bolt into each of the channels that run through the back of the case, (figure 12.1). Align the Hanging Board with the 2 screws and ensure that the Hanging Board is at least 5mm from the edge, (figure 12.2 and 12.3) and secure Hanging Board with the M6 nuts, (figure 12.4).

Install the remaining Hanging Board at the opposite end of the case.

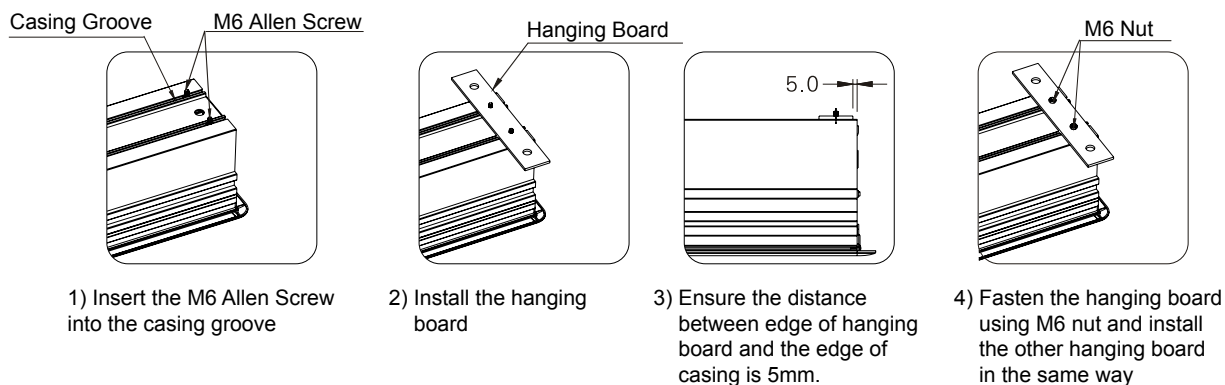


Figure 12

6

The case is ready to be installed into the ceiling recess, (figure 13 and 14).

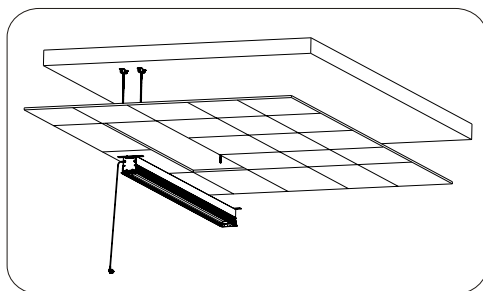


Figure 13

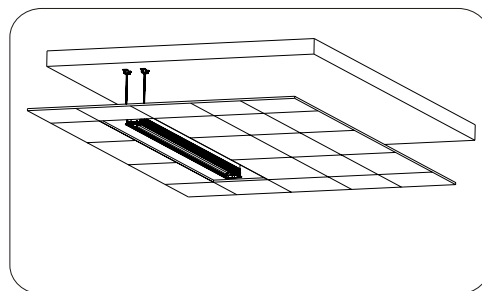


Figure 14

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. Loosen the M12 nut and fix the whole screen, and then connect the power (figure 16).

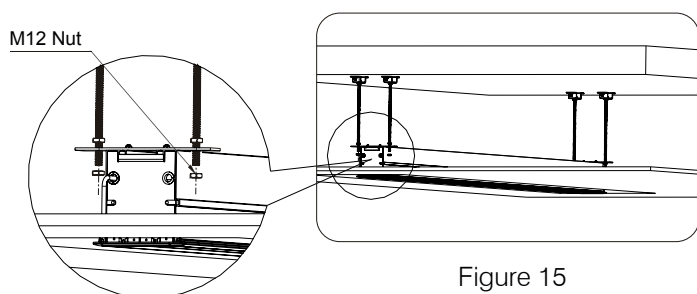


Figure 15

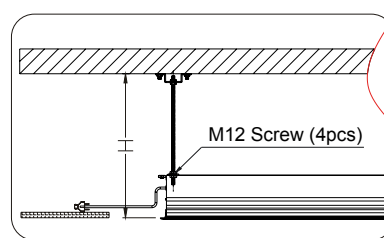


Figure 16

8

Cut the separated ceiling tiles to a suitable size, fill in the gaps around the screen (figure 17-18).

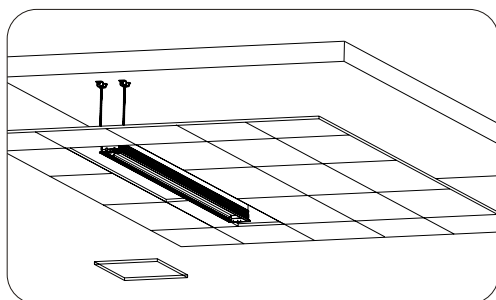


Figure 17

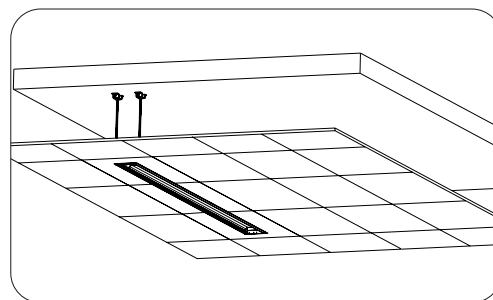


Figure 18

9

Should you need to connect other cables and/or add other control systems at a later stage, please follow the steps below.

- 1) Remove the power box retaining screw and gently lower the Power Box assembly.
- 2) Insert the control system cable to the corresponding output, (figure 10).
- 3) Re-attach the end cap and the Power Box Assembly (figures 8 and 7).

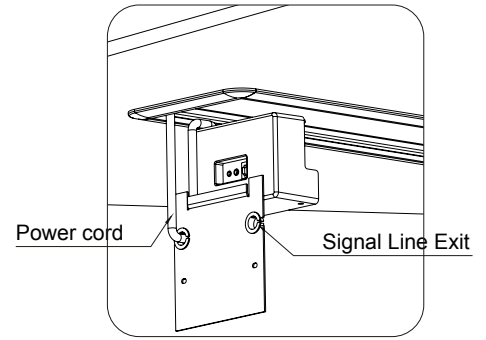


Figure 19

Note: Suspension Ceiling installation continues with step 10 on page 10.

False Plaster Ceiling Installation

1

Cut a rectangular hole in the desired location of the ceiling, (figure 1). Measure the distance H between the roof and the ceiling, (figure 2).

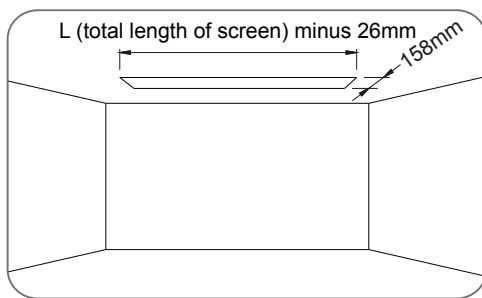


Figure 1

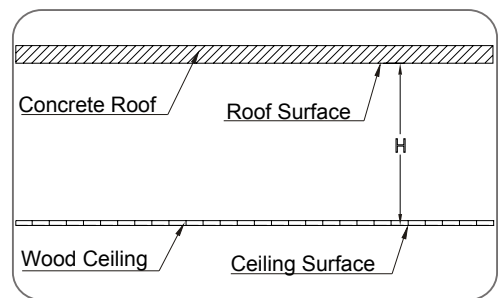


Figure 2

2

Trim the M12 Bars to the required length, (example: H is 500mm, the length of hanging bracket 400mm which is 500mm minus 100mm) and assemble the M12 bar as shown below, (figure 3) using the provided Hooks and M12 nuts.

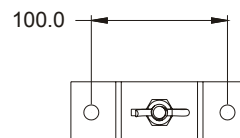
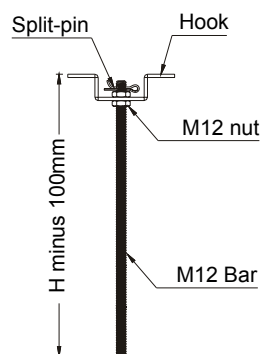


Figure 3

- 3** Trim the M12 threaded rods to the desired length, (H - height minus 100mm). Measure the distance between the mounting holes of the case and mount the threaded bars to the roof, (figure 4 & 5). The M12 Bars should be ready to secure the case once it has been prepared.

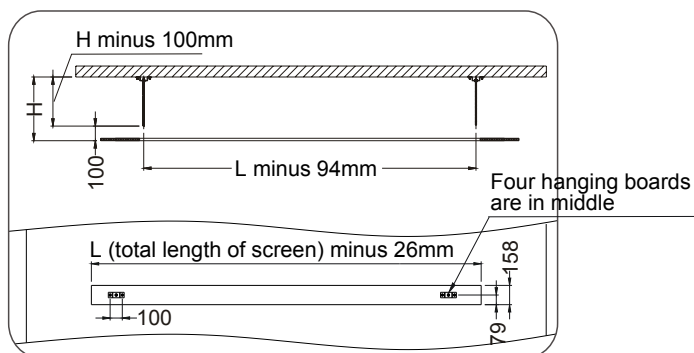


Figure 4

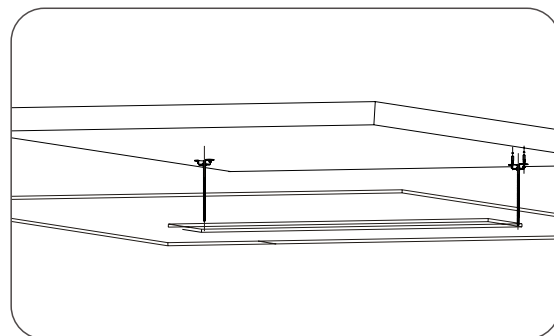


Figure 5

- 4** Case Preparations
In order to mount the screen case to the Threaded Rod it will be necessary to remove some parts as follows:

- Remove the power cord (figure 6).
- Unscrew and remove the Power Box assembly enough to access the top of the case (figure 7).
- Unscrew and remove the End Place (two screws, figure 8).
- While the End Plate is removed you can feed the power cord through the rubber grommet (figure 9).

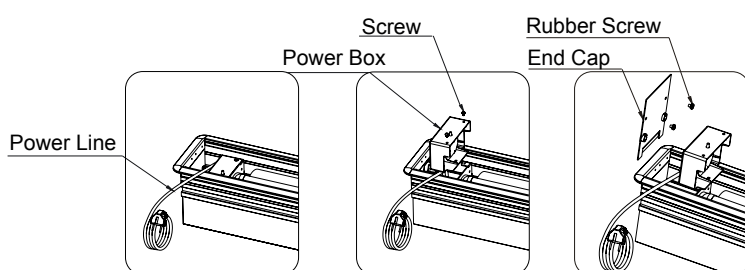


Figure 6

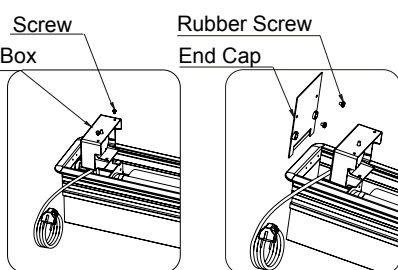


Figure 7

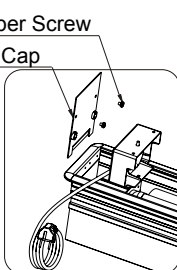


Figure 8

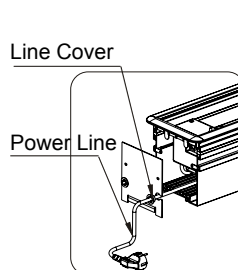


Figure 9

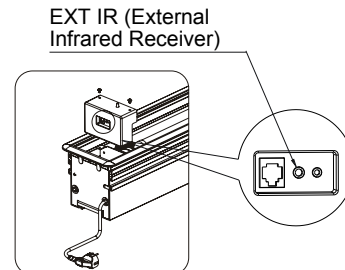


Figure 10

- 5** Re-insert the end plate but DO NOT install the Power Box assembly (figure 10).

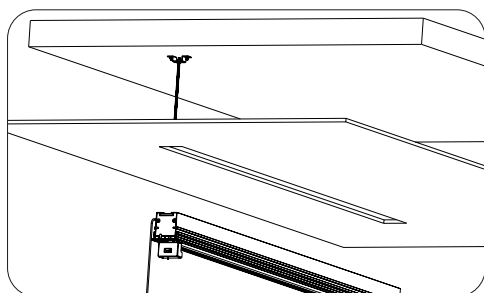


Figure 11

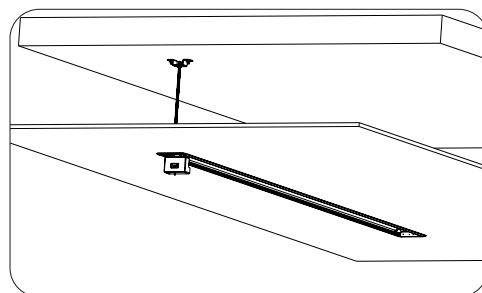


Figure 12

6

Fix the screen using M12 nut, then fasten the nut by wrench (accessories) (figure 13-14); until the fascia trim aligns with the ceiling (figure 15) and connect the power.

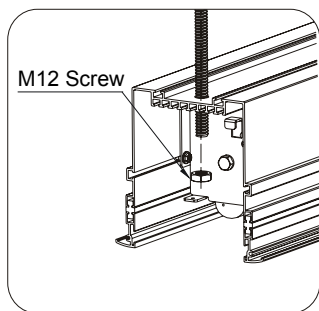


Figure 13

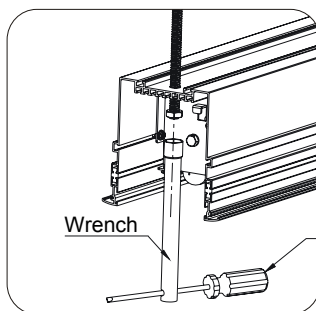


Figure 14

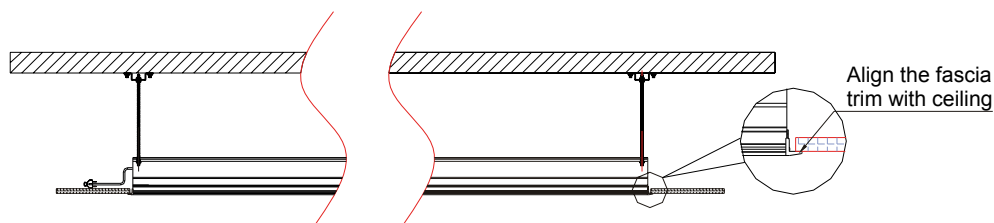
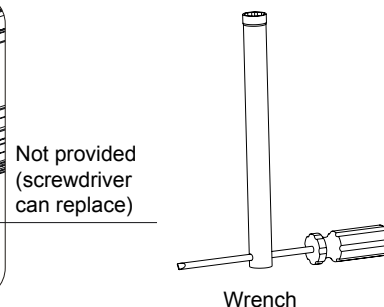


Figure 15

7

Please ensure the outside edge and the inside surface of the case are levelled, (figure 16) before inserting the Pressing Plate, which will lock the M12 nut into place, (figure 17 and 18).

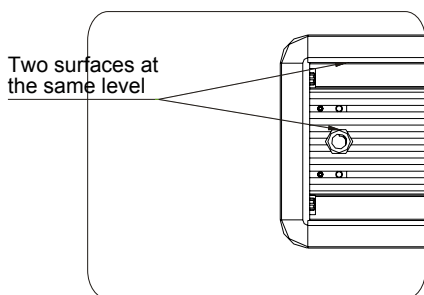


Figure 16

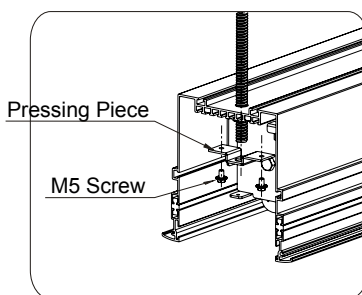


Figure 17

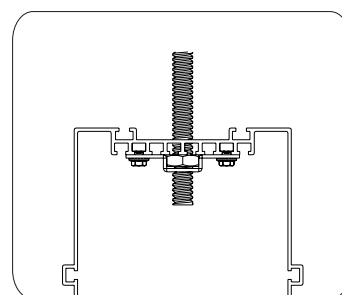


Figure 18

8

Fit off the end plate and connect the Infrared Receiver to EXT IR hole, (figure 18) as well as the 12 Volt Trigger cable and/or Ext CTRL cable - if required, (figure 19). Fit off the Power Box assembly ensuring the unit's rear slot aligns to the Bracket's tab, (figure 20).

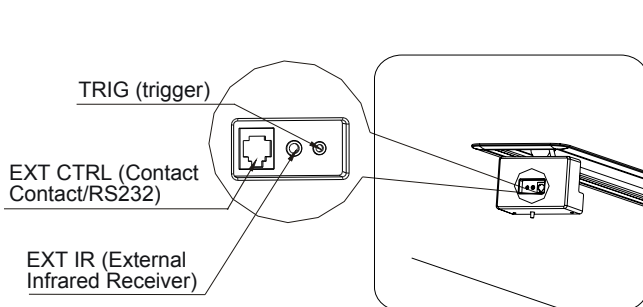


Figure 19

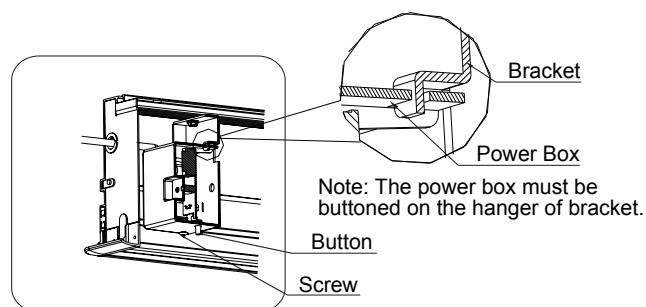


Figure 20

9

Should you need to connect other cables and/or add other control systems at a later stage, please follow the steps below.

- 1) Remove the power box retaining screw and gently lower the Power Box assembly.
- 2) Insert the control system cable to the corresponding output, (figure 11).
- 3) Re-attach the end cap and the power box assembly, (figures 7 and 8).

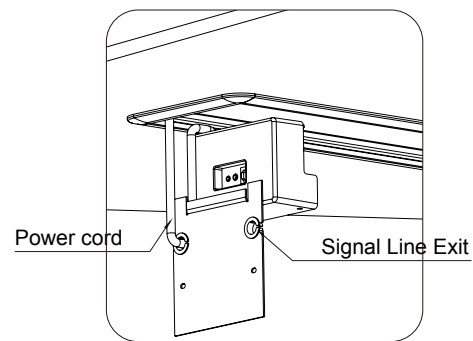


Figure 21

10

Installing the baffles.

- 1) Please ensure the security lock is unlocked (figure 24 and 22).
- 2) Install the baffle (figure 23).
- 3) Unlock the security lock on baffle (figure 25), and align to the corresponding hole in the end cap (figure 26), so the baffle can't move.

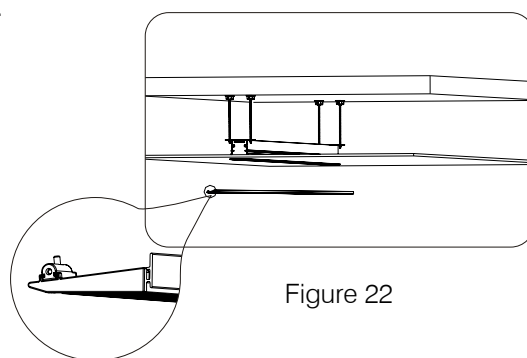


Figure 22

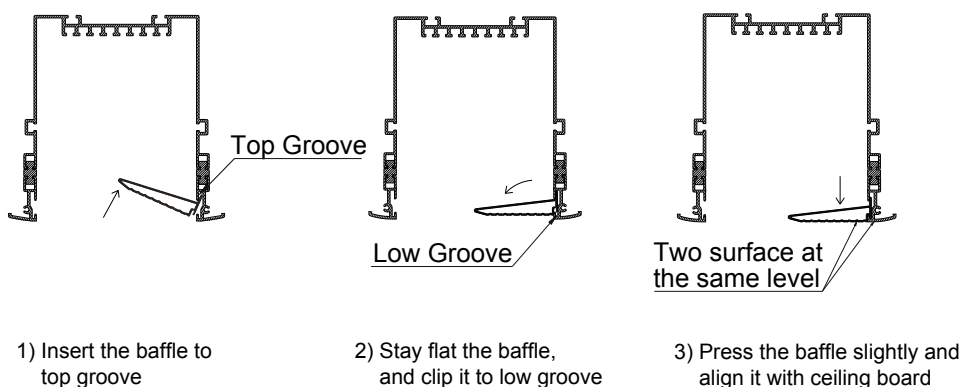


Figure 23

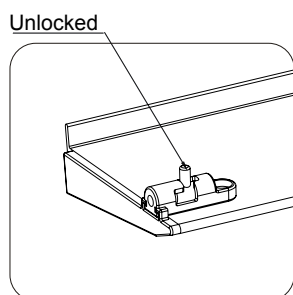


Figure 24

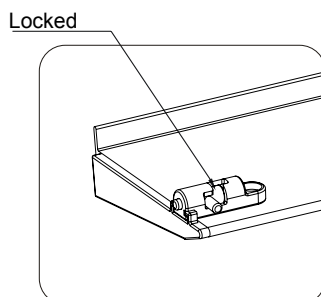


Figure 25

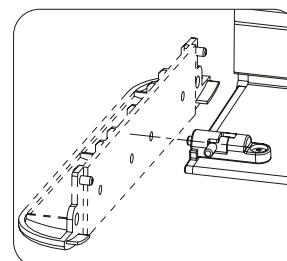


Figure 26

Screen Adjustment

Disassemble the baffle when adjusting the screen.
Re-assemble the baffle after adjusting.

11

Installation Completed (figure 27).

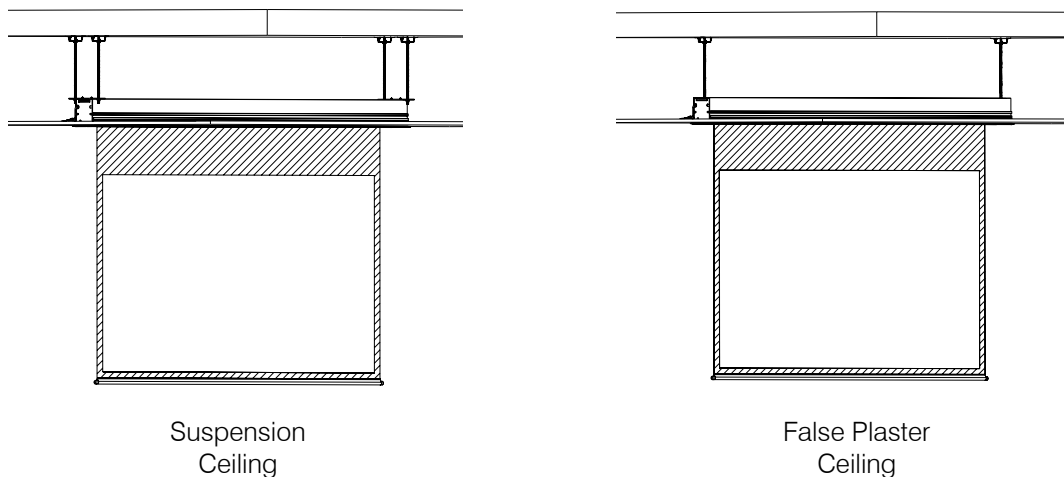


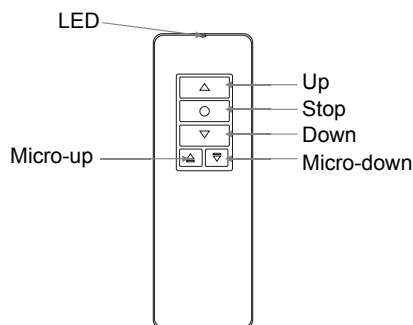
Figure 27

Note: M12 threaded bar provide is 500mm lengths.
If the ceiling gap is larger than 600mm wide you will need to provide your own.

Product Instruction

12

Infrared Remote Control



Controller Buttons Function Instructions:

Your remote control comes with a battery installed.
To operate your remote:

Press to lift the screen

Press to stop the screen

Press to lower the screen

The Micro switch is used for retracting or lowering the screen in small increments

13

Limit Settings

The screen is fitted with 2 limits. These limits automatically stop the screen in the fully UP, (Top limit) and fully DOWN, (Bottom limit) positions. You can adjust the bottom limit to set your viewing height.

Setting the Top Limit

Adjusting the top limit may damage your screen and VOID your warranty. The top limits have been preset during the manufacturing stage. Do not adjust top limit.

Setting the Bottom Limit

Caution: Setting the bottom limit beyond the black leader may render your screen inoperable and VOID your warranty.

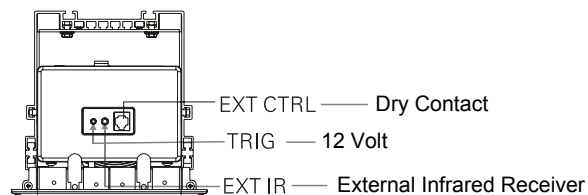
The bottom limit setting is accessible by turning the white coloured hex-headed screw terminal. Turn clockwise to raise the screen and anti-clockwise to lower the screen.

When lowering the bottom limit the screen will move as you adjust - however, when raising the bottom limit you will need to operate the screen using the remote to see the new limit.

External Control System

There are four control systems available for this motorised screen:

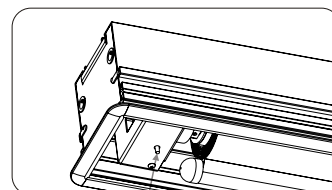
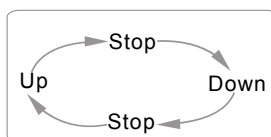
- A) Manual Control
- B) Infrared Remote Control (IR)
- C) Trigger
- D) Dry Contact



A

Manual Control

The manual control button is located under the power box, on the left hand side of the screen, close to the power cord.

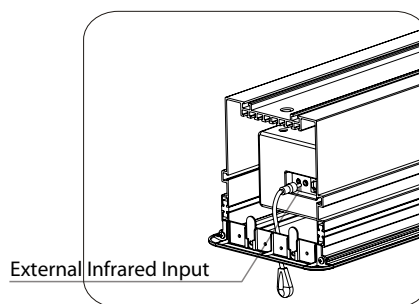


Cyclic Control

B

Infrared Remote Control

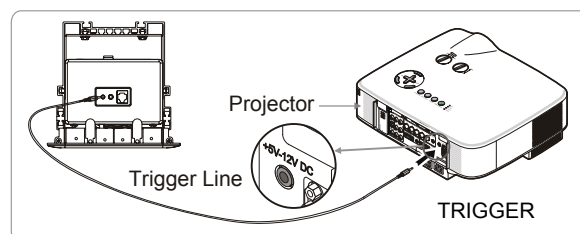
The screen casing is mounted above the ceiling. Therefore the external infrared receiver (EXT IR) must be installed below the ceiling for 'line of sight' signal transmission by the infrared remote control.



C

Trigger

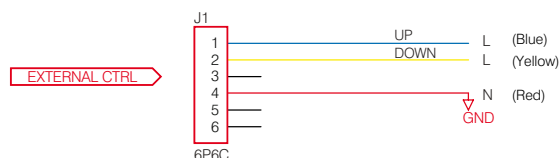
1. Please connect 2.5mm trigger plug to the TRIG input on the screen; connect 3.5mm plug to the output on trigger (only for projectors which have 12 Volt trigger function).
2. The projection screen will automatically lower when the projector is on. It will automatically retract when the projector is turned off.



D

Using Dry Contact

Simply connect the Blue and Yellow wires to 'L' of control system, and the Red wire to 'N'. Then using commands in the control system, screen will open and close to it's pre-set limits.





Protecting Your Screen:

- Keep away from direct sunlight or high temperatures.
- Examine 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:

- Do not use any solvents, chemicals or abrasive cleaners on the screen surface.
- Use a mild detergent with warm water to remove any marks on the surface or screen case.
- Always immediately dab the screen with a soft cloth to avoid soap marks.
- Do not scrub the surface.

Warranty: 12 Months

Imported and Distributed in Australia by
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Preston, VIC 3072

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or call 1300 730 025