

PURE

T H E A T R E

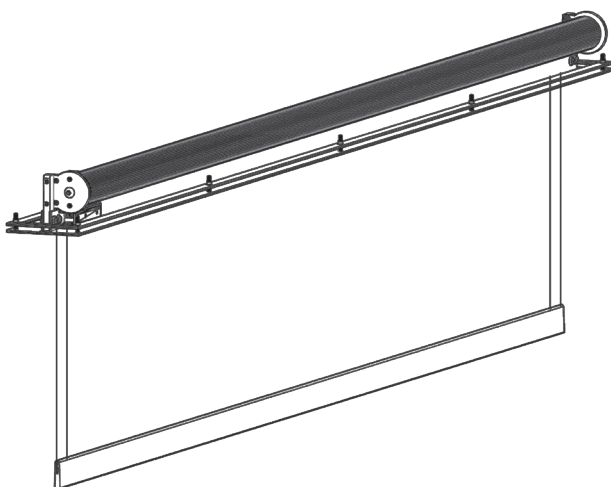
INSTALLATION

OPERATION

SETUP

PROGRAMMING

DIMENSIONS



MODELS:
Ceiling Recessed 2022+

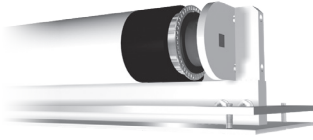
Ceiling Recessed Screen

User Guide ver 2022.3

CONTENTS

Checklist	1
Installation	2-3
Navigation	4-5
Screen Operation.....	6-7
Programming Stop Positions - Store / Delete	8-9
Learning IR - To use any remote control.....	10
Com Port - RS232 to Control Projector	11
Input Port - 12v Trigger or contact Closure.....	12
Output Port - 12v Trigger or IR Emitter.....	13
Reboot	14
Factory Reset.....	15
Screen Dimensions	16
Cutout Dimensions.....	17

CHECKLIST



PROJECTOR SCREEN



TEMPLATE / MOUNTING FRAME



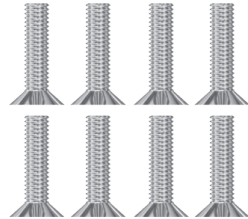
12V TRIGGER CABLE



RS232 CABLE



SCREW COVERS



MOUNTING SCREWS (M5 x 30 max)

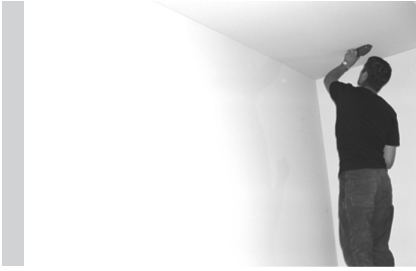


IR REMOTE



POWER SUPPLY

INSTALLATION



STEP 1. Find Joists, Pipes & Cables

Find the approximate position for your projector and then locate and mark the position of any joists, wiring and plumbing.

To aid installation a wood/metal sensor is recommended. Available from most DIY stores.



STEP 2. Mark Out Position

Now you have the joists marked, measure the exact position for the projector lift and mark out using the stencil supplied. Simply draw around the inside of the stencil and mark all 8 hole positions.

[We recommend holding the projector in place, powering up and testing the screen size with zoom set to its middle position before drilling holes.]



STEP 3. Drill Holes

Drill 8mm diameter holes through ceiling for mounting screws. Be sure to drill the holes carefully as these will have to line up with the projector lift



STEP 4. Cut Slot

Cut out ceiling slot along the template line, taking care to keep as close to the line as possible.

INSTALLATION



STEP 5. Install Template

Place the template into the ceiling cavity and align with slot and holes.

Once you are happy the holes are correct lift the mounting frame and remove the sticky pad covers then press down into position.



STEP 6. Install Transformer

Place the mains transformer into the ceiling cavity and connect to the nearest suitable mains power supply.

Allow the 12v plug to hang down for easy connection to the screen.

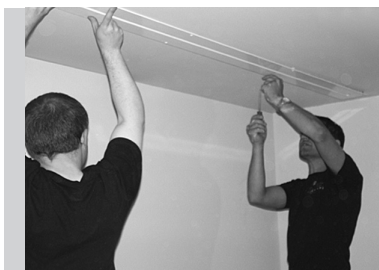


STEP 7. Install Screen

Lift the screen up to the ceiling and connect the 12v plug from transformer to the end of the screen.

Note. The leds on the screen should both light RED, then go to Green and Yellow.

Now push screen up into the ceiling cavity and insert all screws finger tight.



STEP 8. Secure and Test

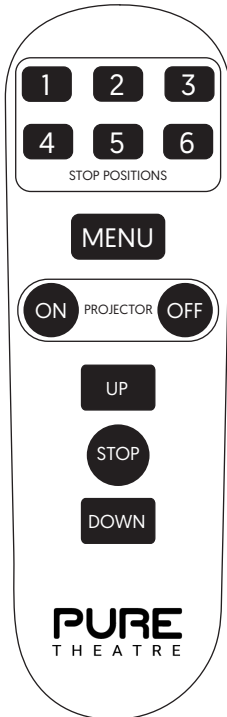
Finally tighten all screws with a screwdriver. [Fit screw covers once you have tested your installation.]

Your screen is now ready to use.

Please read the following pages for operating instructions and programming options.

NAVIGATING THE REMOTE

Once your screen is **correctly installed** with all packaging **removed** and **power has been established**, simply press the Up & Down buttons on the remote control to operate the screen.



The **NUMBER** buttons are used to move the screen directly to your preferred stop positions and to navigate the menu.

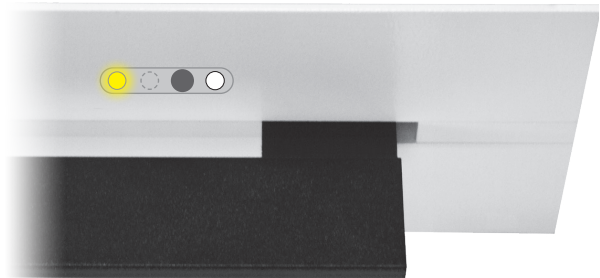
The **MENU** button puts the screen into programming mode to configure several options.

Turns the Projector **ON** or **OFF** when connected by RS232.






Moves the projector screen **UP**.

STOPs movement of the projector screen.

Moves the projector screen **DOWN**.



THE CONTROL PANEL

-  **Mode** - An LED that indicates the screen's mode.
 -  **Status** - An LED that indicates the screen's status.
 -  **Infrared Receiver** - To receive commands from the IR remote control.
 -  **Program Button** - Used to configure the screen.
- }  **LEDs**

NAVIGATING THE MENU

The **MENU** is used to configure your Pure Theatre Projector Screen. Each configurable option has an associated Number and LED Colour.

1

InfraRed Learning Mode



page
10

Allows your screen to be controlled from any InfraRed Remote. Why not use a Projector Remote to raise and lower your screen.

2

RS232 - COM PORT



page
11

Send Commands to turn your projector ON | OFF with RS232 OR Receive commands from a Control system. eg Control4 or RTI.

3

OUTPUT PORT



page
13

12v trigger OUTPUT for controlling devices with a 12V input OR InfraRed OUT for controlling projectors with an IR Emitter.

4

Programming Screen Stops



page
8

Programmed your screen to stop at a specific position. Did you know you can store up to 6 unique positions.

5

INPUT PORT



page
12

12v trigger INPUT to automatically move the screen UP | DOWN OR Contact Closure INPUT when using a wall switch or relay.

USING YOUR PROJECTOR SCREEN

Out of the factory we pre-program your projector screen's STOP 1 to a middle position. This means that when you first lower the screen it will not drop all the way down. You can alter the viewing height at any time by adjusting the stop positions using your remote control, to achieve the perfect viewing height.

To use your projector screen with the default settings, see the guide below:

UP

Press the **UP** button to send the screen to it's home position.


 **LEDs** RED LED blinks once to indicate home position has been reached.

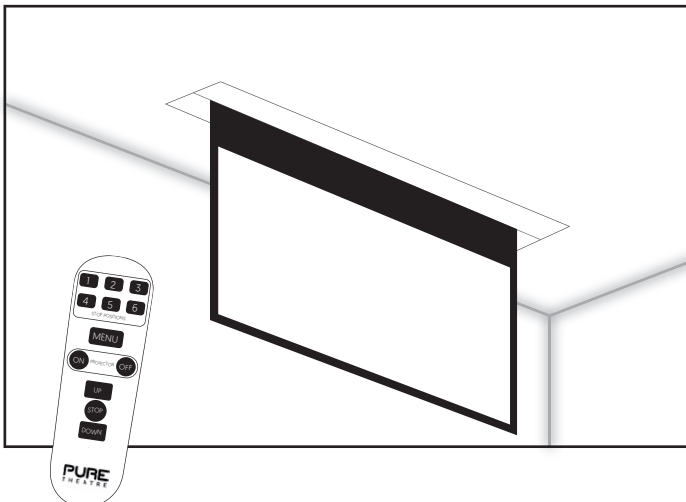
STOP

Press the **STOP** button to halt any movement.

DOWN

Press the **DOWN** button to send the screen down.

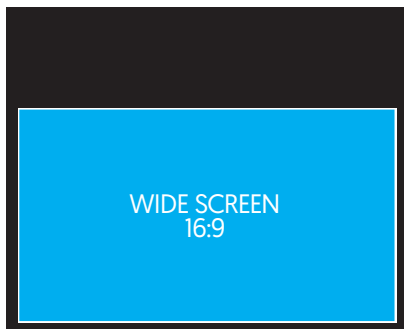
 **LEDs** GREEN LED flashes when the screen is moving to a stored stop position.



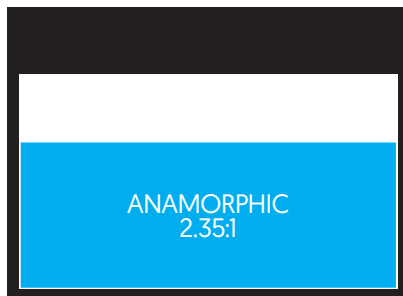
UNDERSTANDING STOP POSITIONS

Your screen can store multiple stop positions, and simply move between them at the press of a button. These can be set for different aspect ratios, or for different viewing positions.

An example of some common aspect ratios are:



STOP 1



STOP 2

MOVING BETWEEN STOPS

You can move to a pre-defined stop position by pressing the corresponding number button or cycling through the stops by pressing the DOWN button.

DOWN

Pressing the **DOWN** button moves to the 1ST **STOP** position.



GREEN LED repeats a SINGLE FLASH to indicate stop number 1.

To toggle the **NEXT** stop:

DOWN

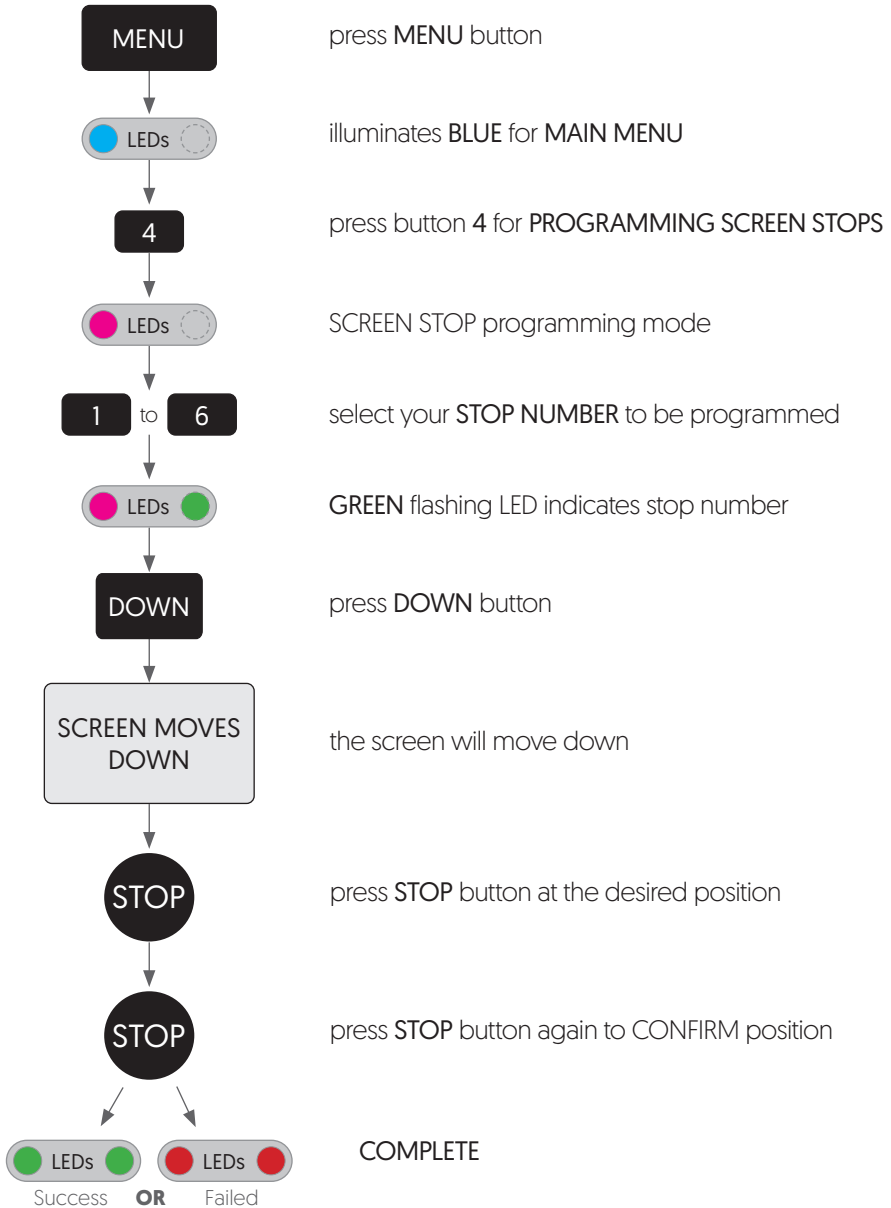
Pressing the **DOWN** button **AGAIN** moves to the 2ND **STOP** position.



GREEN LED repeats a DOUBLE FLASH to indicate stop number 2.

PROGRAMMING SCREEN STOPS

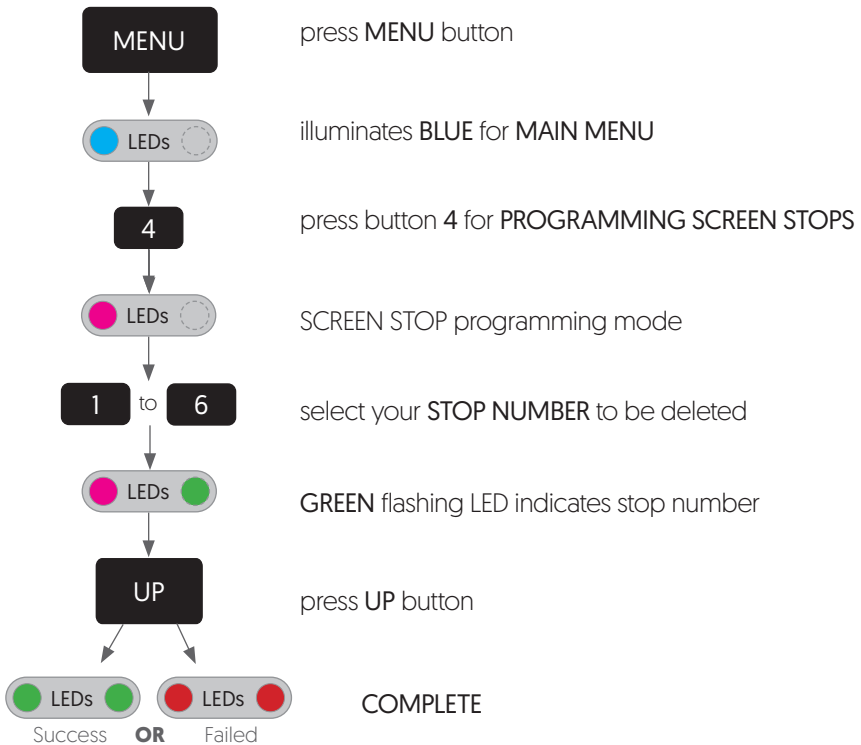
The **drop height** of the Projector Screen is factory set to the maximum but a Primary Stop can be stored to limit this. Once a Primary Stop is stored, the Screen will **always** travel to this point whenever the DOWN button is pressed. This stop can easily be removed to return to factory settings.



DELETING SCREEN STOPS

The sequence for programming/deleting further stops is the same as the primary stop. You simply press the program button briefly multiple times to correspond with the stop you require, ie . 3 presses will program/delete stop 3.

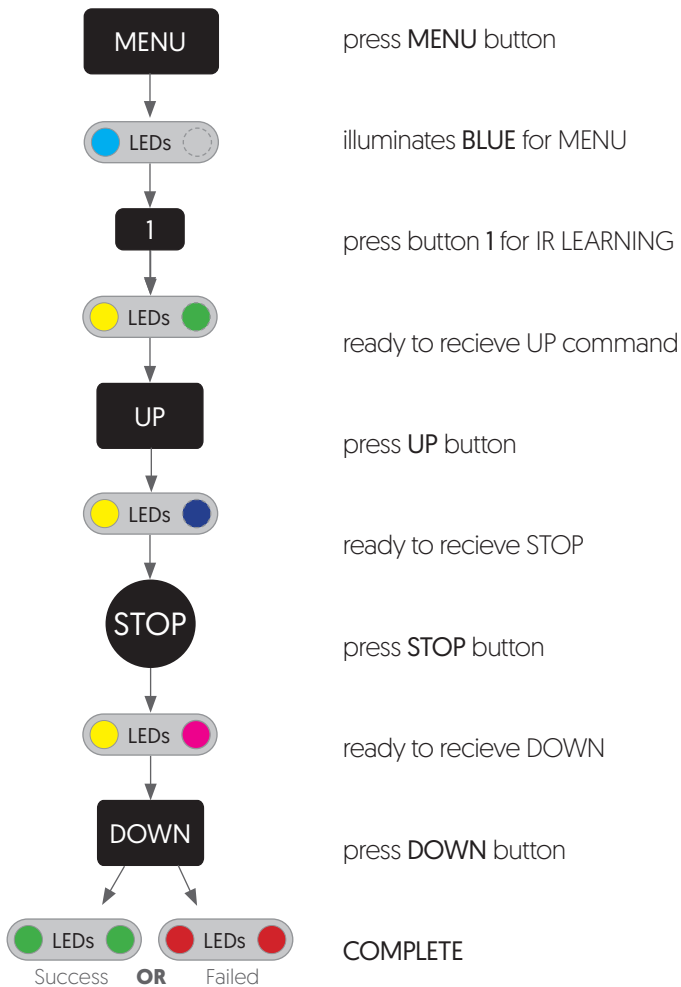
You will notice that when you are programming/deleting or moving to stop 3 the POSITION STATUS LED flashes 3 times, then pauses and then repeats.



The projector screen can **learn commands** from the majority of domestic remote controls, allowing your TV or projector remote to control the lift.

Programming a new remote will **NOT** disable the PureTheatre™ IR Remote.

PROGRAMMING INFRARED REMOTE CONTROL

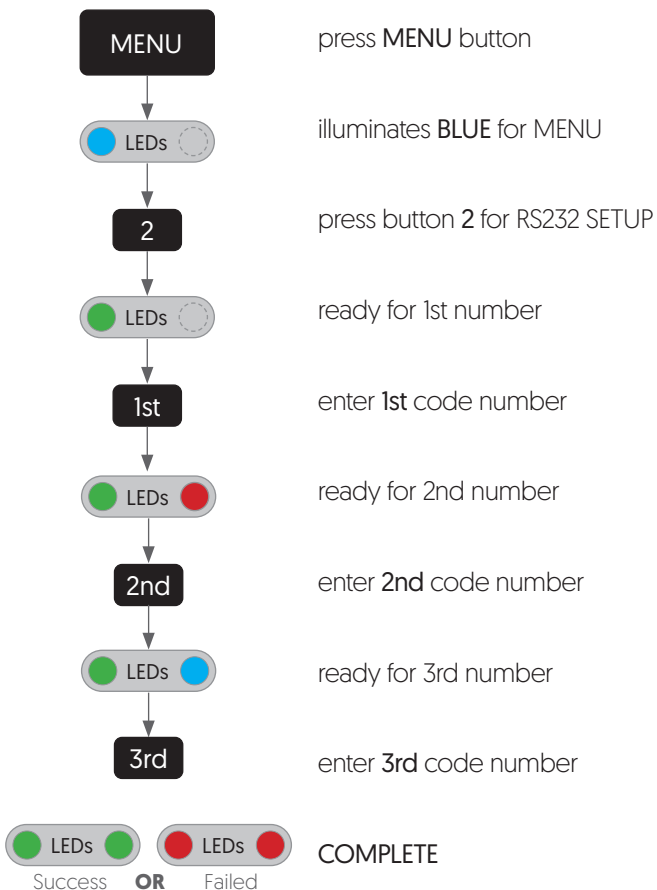


The RS232-COM port is used to automate your system and can be used as in INPUT or OUTPUT:

- **INPUT** - to control your screen using your home automation system [UP / DOWN etc. See page 12]
- **OUTPUT** - the screen will send commands to turn your projector ON | OFF when the screen goes up and down. Simply choose your projector from the list below.

Choose how you want the RS232-COM port to operate from the chart below, then go ahead and configure by entering the 3 digit code using the Pure Theatre Remote Control.

RS232 SETUP	CODE		
	1st	2nd	3rd
CONTROL SYSTEM	1	1	1
OPTOMA	1	1	2
PANASONIC	1	1	3
SONY	1	1	4
EPSON	1	1	5
JVC	1	2	1
BENQ	1	2	2
NEC	1	2	3
INFOCUS	1	2	4

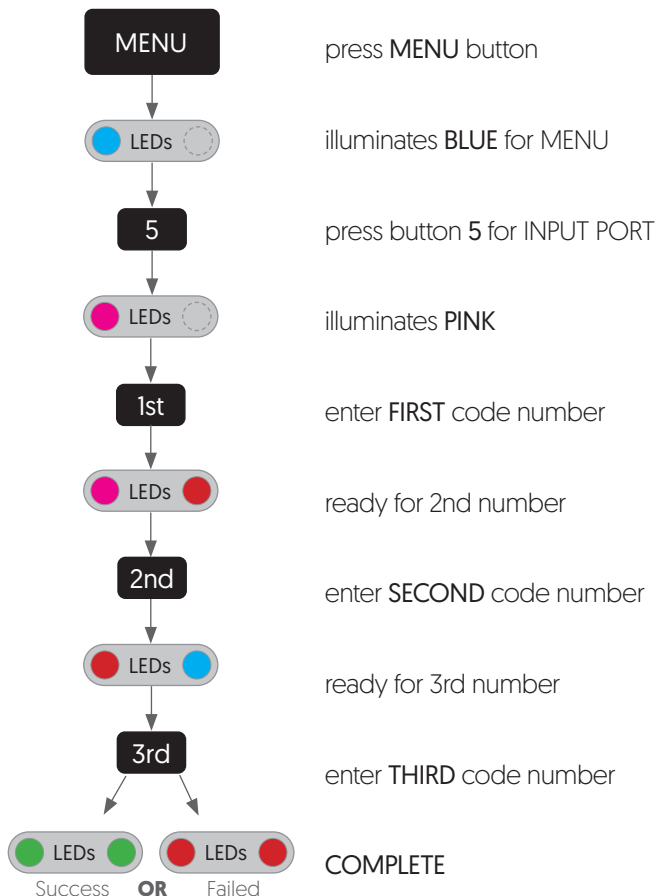


CONFIGURE INPUT PORT 12v trigger | Switch contact closure

A **12 volt trigger** allows the projector, upon power up and power down, to automatically drop and raise a motorized screen. They are an industry-standard method for integrating complex audio and video systems.

Contact closure is a way to interface standard switches, relays or PIR's into a lighting control system. The atrigger an event within the control system.

INPUT TYPE	CODE		
	1st	2nd	3rd
12V TRIGGER	2	1	1
CONTACT CLOSURE	2	1	2



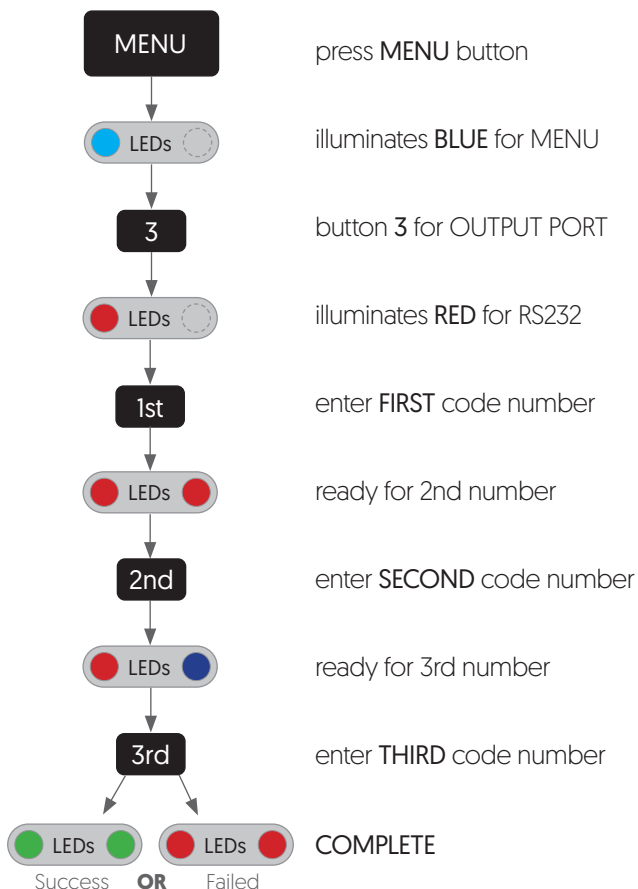
CONFIGURE OUTPUT PORT 12v trigger | IR emitter

The OUTPUT port can be configured to do one of the following:

- OUTPUT a 12v trigger signal to turn remote devices ON/OFF
- OUTPUT IR commands to turn your projector ON / OFF*

Choose how you want the OUTPUT port to operate from the chart below then go ahead and configure the screen using the Pure Theatre IR Remote Control.

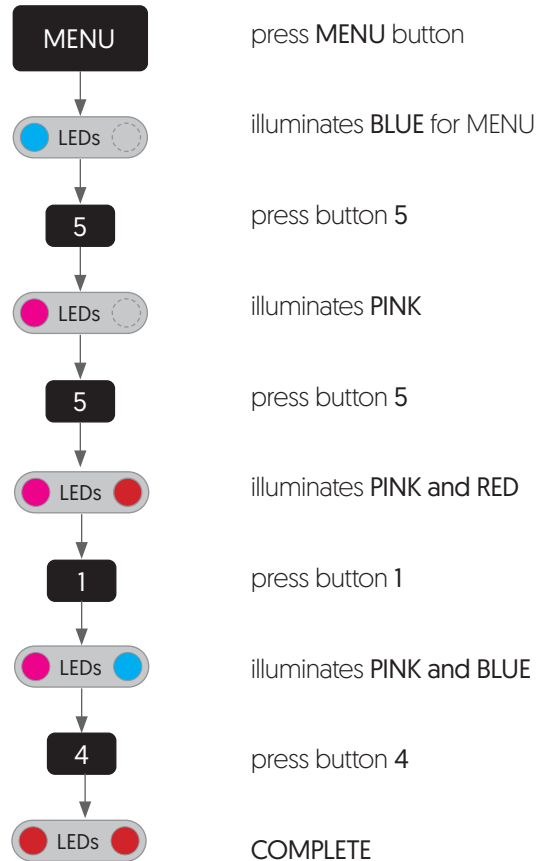
OUTPUT SETUP	CODE		
	1st	2nd	3rd
12 V OUTPUT	1	1	1
OPTOMA	1	1	2
PANASONIC	1	1	3
SONY	1	1	4
EPSON	1	1	5
JVC	1	2	1
BENQ	1	2	2
NEC	1	2	3
INFOCUS	1	2	4



*Requires additional IR emitter not included

REBOOT

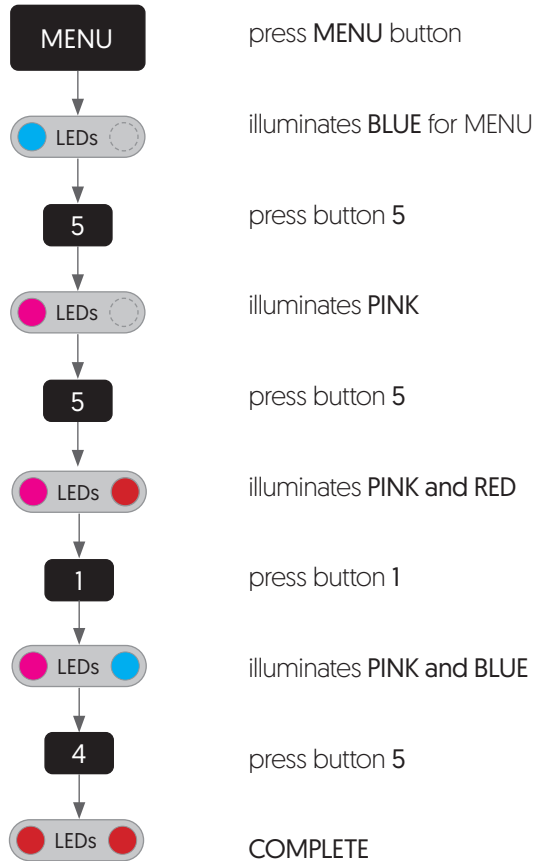
A **reboot** will restart the controller without altering any settings.



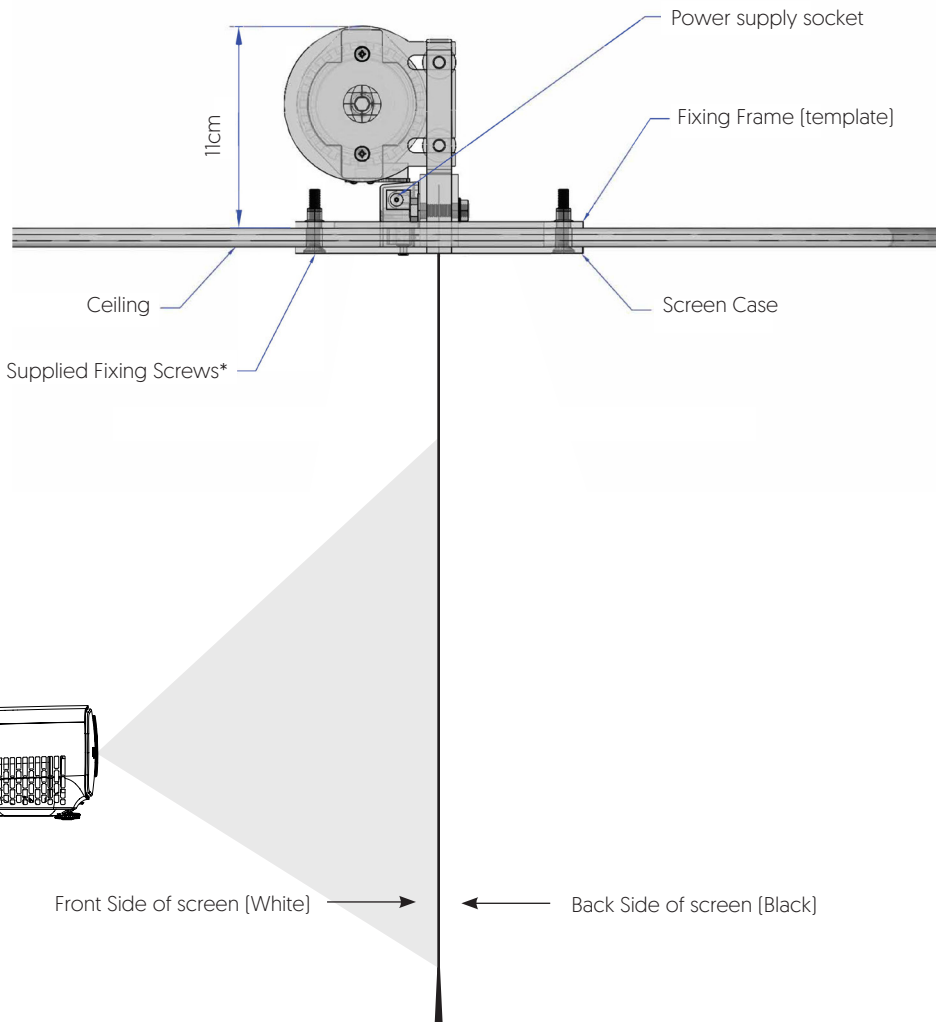
The system will now go through the reboot sequence and lights will flash through all colours.

FACTORY RESET

A **factory reset** will remove all stored IR commands and delete all **SCREEN STOPS** from the system restoring it back to factory default.

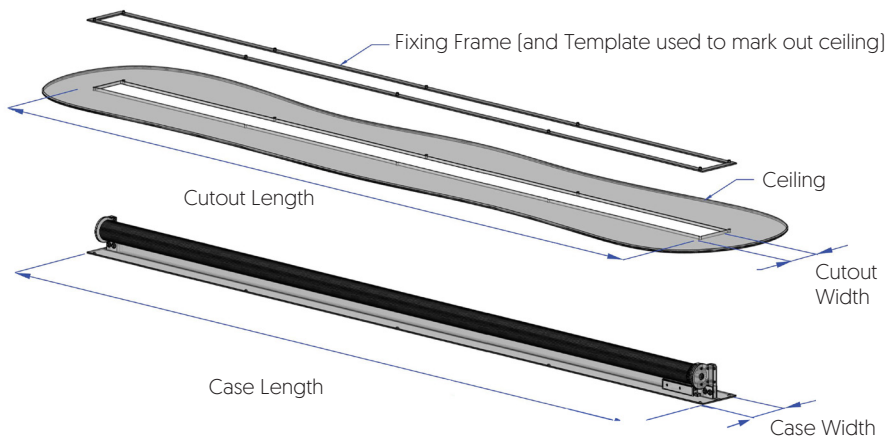


SCREEN DIMENSIONS



*Please use screws provided with a max Length 40mm. If you use screws which are too big then you will tear the screen fabric and will be liable for replacement fabric.

CUTOUT DIMENSIONS



Model	Case Length	Cutout Length	Case Width	Cutout Width
CR160	1750mm	1725mm	140mm	100mm
CR180	1950mm	1925mm	140mm	100mm
CR200	2150mm	2125mm	140mm	100mm
CR220	2350mm	2325mm	140mm	100mm
CR240	2550mm	2525mm	140mm	100mm
CR260	2750mm	2725mm	140mm	100mm
CR280	2950mm	2925mm	140mm	100mm
CR300	3150mm	3125mm	140mm	100mm

supplied by

The logo for Pure Theatre is centered within a light gray rectangular frame. The word "PURE" is written in a large, bold, black, sans-serif font. Below it, the word "THEATRE" is written in a smaller, black, sans-serif font, with each letter spaced out.

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www.puretheatre.com
