

# PURE

T H E A T R E

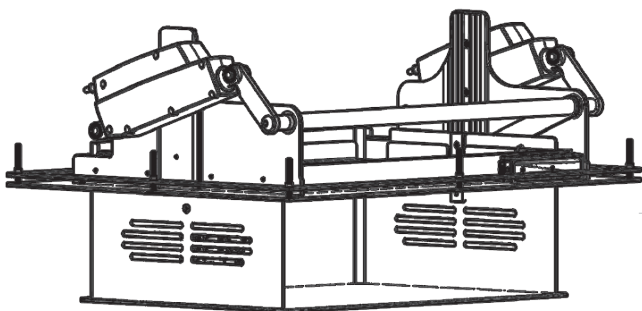
INSTALLATION

OPERATION

SETUP

PROGRAM IR REMOTE

FACTORY RESET



MODELS:

CR25 | CR35 | CR35W | CR40

## Projector Lift

### User Guide

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# CHECKLIST



PROJECTOR LIFT



POWER SUPPLY



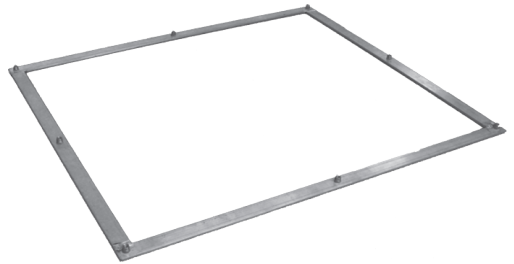
INFRA-RED REMOTE



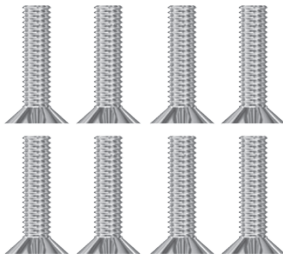
TRIGGER CABLE



RS232 CABLE



TEMPLATE / MOUNTING FRAME



MOUNTING SCREWS  
[ M5 x 30mm long ]



SCREW COVERS

## PARTS

TEMPLATE / MOUNTING FRAME



LIFT MECHANISM



MOUNTING SCREWS



PROJECTOR HOUSING

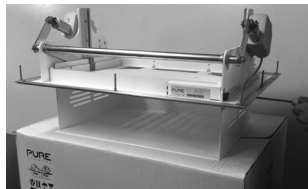


## PRIOR TO INSTALLATION

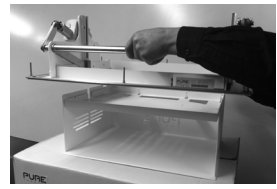
**IMPORTANT :** Release projector housing prior to installation



Place lift on shipping box, then connect power and lower using remote control.



Remove the pozi retaining screws, located on either side of the projector housing.



Separate the lift mechanism from the projector housing.



## **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 positions marked, measure the exact position for the projector lift and mark out the cut-out by either using the supplied template, or simply cutout the void as per the PDF Cutout sheet.

(CR60 ->CR90 Projector lifts mount directly to the joists and do not use the template system)



## **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.



## **STEP 5.** Install Template

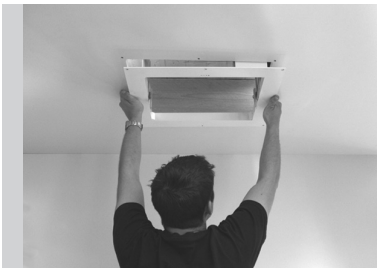
Place the template into the ceiling cavity and align with holes.

If you are securing directly to joists cut the template to suit and secure using No.8 screws into joists.



## **STEP 6.** Install Transformer

Place the mains transformer into the ceiling cavity and connect to the nearest suitable mains power supply. Allow the 24v plug to hang down for easy connection to the lift.



## **STEP 7.** Install Projector Lift

Raise the lift up to the ceiling and connect the power supply.

Note. The LEDs on the lift should both light RED, then go to GREEN and YELLOW, and then OFF.



## **STEP 8.** Test Lift Mechanism

Test mechanism up and down with remote control then leave in the down position to allow projector housing to be mounted.



## **STEP 9.** Install Power & AV Cable

Install the projector power and AV cables and leave hanging down approximately 300mm.

This will aid installation of your projector.



## **STEP 10.** Mount Projector

Mount projector to the projector tray with the projector upside down.

Then raise up to ceiling and connect all power and AV cables to the projector.



## **STEP 11.** Install Projector Lift

Once power and AV cables are connected lift the projector housing up into the lift mechanism and fit retaining screws, on either side.

This will secure the projector housing to the lift mechanism.



## **STEP 12.** Secure And Test

Finally tighten all screws into ceiling.

(Fit screw covers once you have tested your installation.)

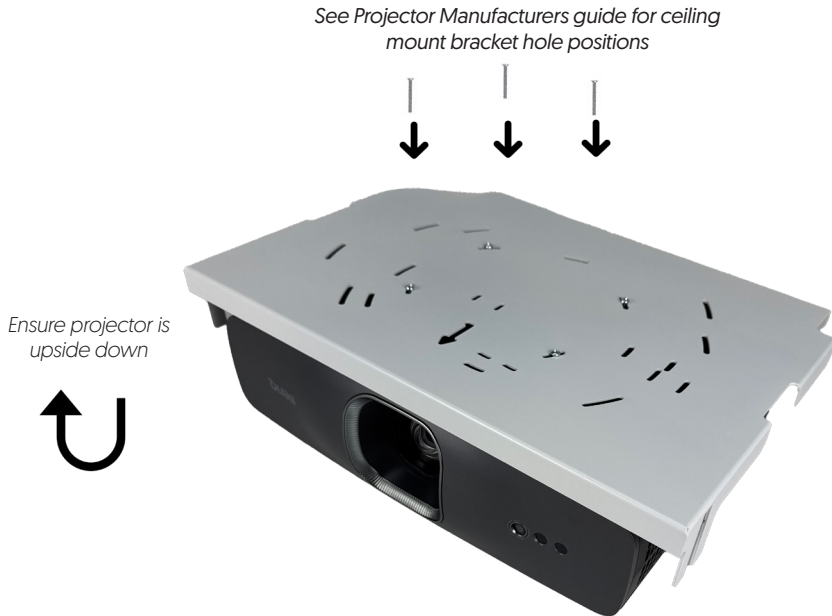
### **Your lift is now ready to use.**

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

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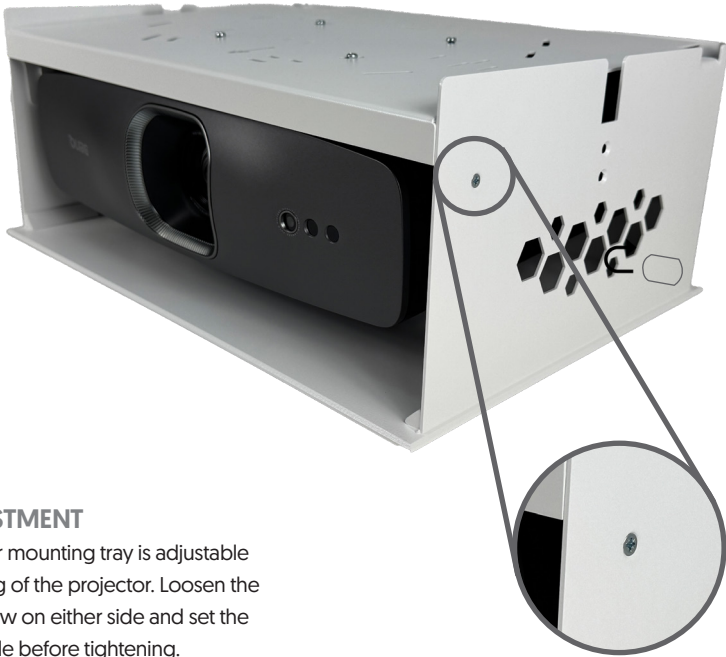
## MOUNTING PROJECTOR

Different projectors require different screws when fitting to the projector mounting tray, we supply a range of screws please see manufacturers guidelines for the correct screws.



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## PROJECTOR ADJUSTMENTS

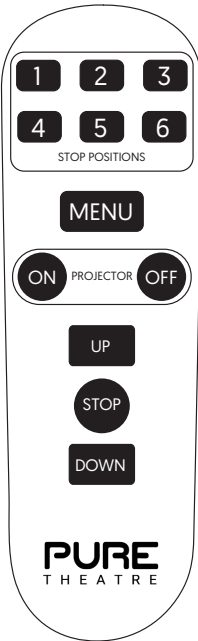


### TILT ADJUSTMENT

The projector mounting tray is adjustable to allow tilting of the projector. Loosen the securing screw on either side and set the required angle before tightening.

# NAVIGATING THE REMOTE

Once your lift 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 lift.



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

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

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





Moves the projector lift **UP**.

**STOP**s movement of the projector lift.

Moves the projector lift **DOWN**.

## THE CONTROL PANEL



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



# CONFIGURE THE CONTROL SYSTEM

The projector lift has multiple options for control and you can use the Pure Theatre IR remote to configure your Projector Lift inputs and outputs.



Each configurable option has an associated Number and LED Colour.

1

InfraRed Learning Mode



page  
10

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

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

INPUT PORT



page  
12

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

4

OUTPUT PORT



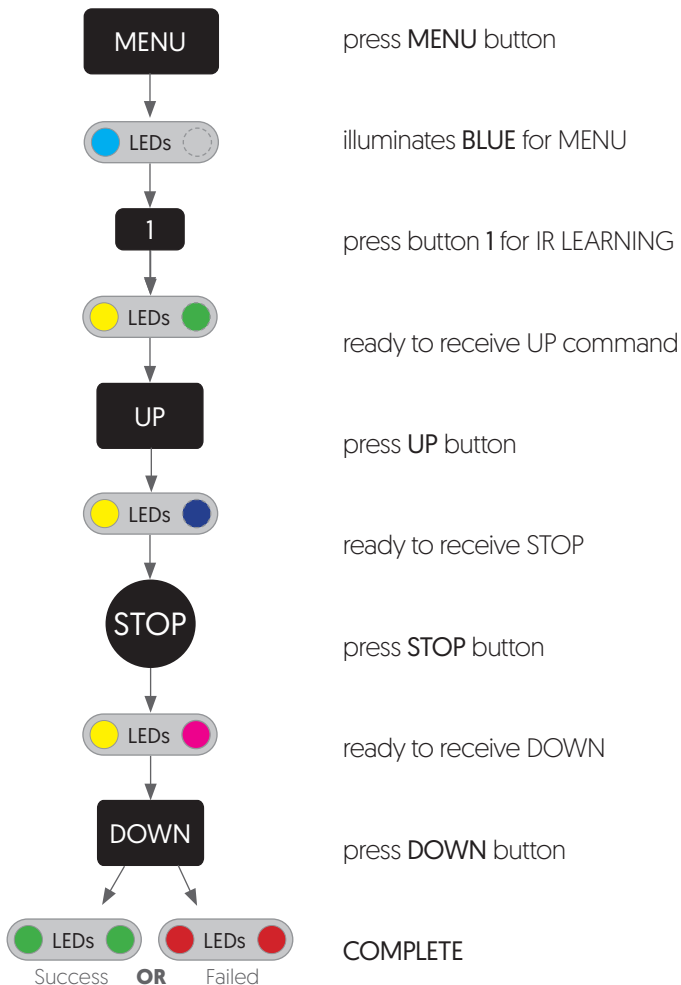
page  
13

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

The projector lift 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

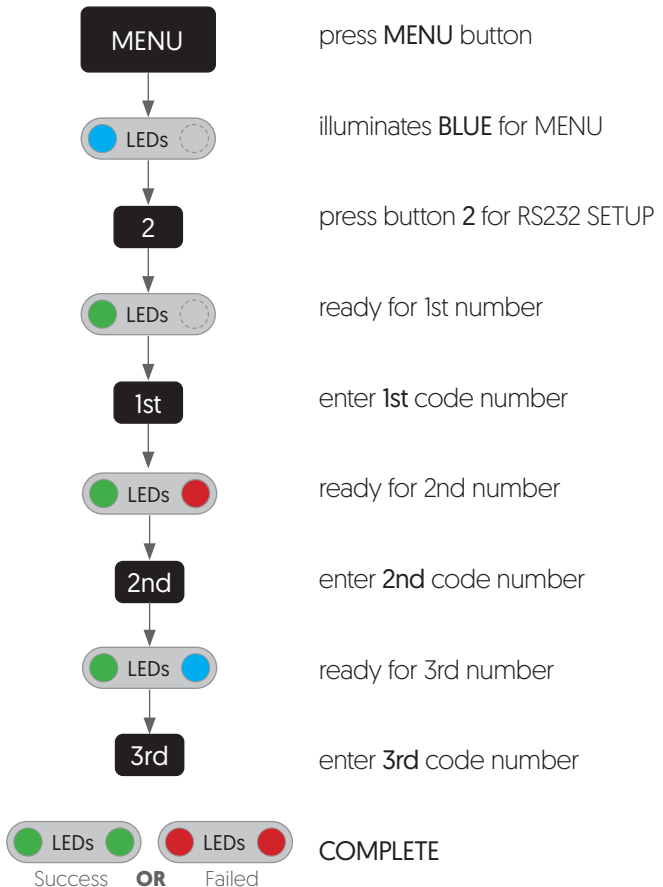


The COM port is used to automate your system and can be used as in **INPUT** or **OUTPUT**

- **INPUT** - Control your lift using your home automation system [See RS232 doc]
- **OUTPUT** - Sends commands to turn your projector ON | OFF when the lift 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

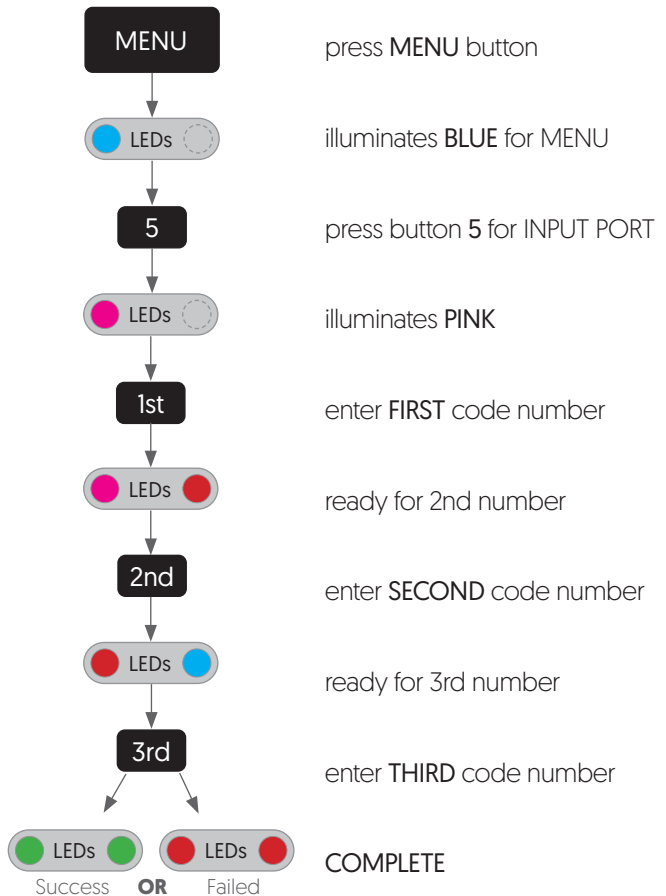


# CONFIGURE INPUT PORT 12v trigger | Switch contact closure

A **12 volt trigger** allows the projector, upon power up and power down, to automatically drop and raise a motorized lift. 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. They trigger an event within the control system.

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



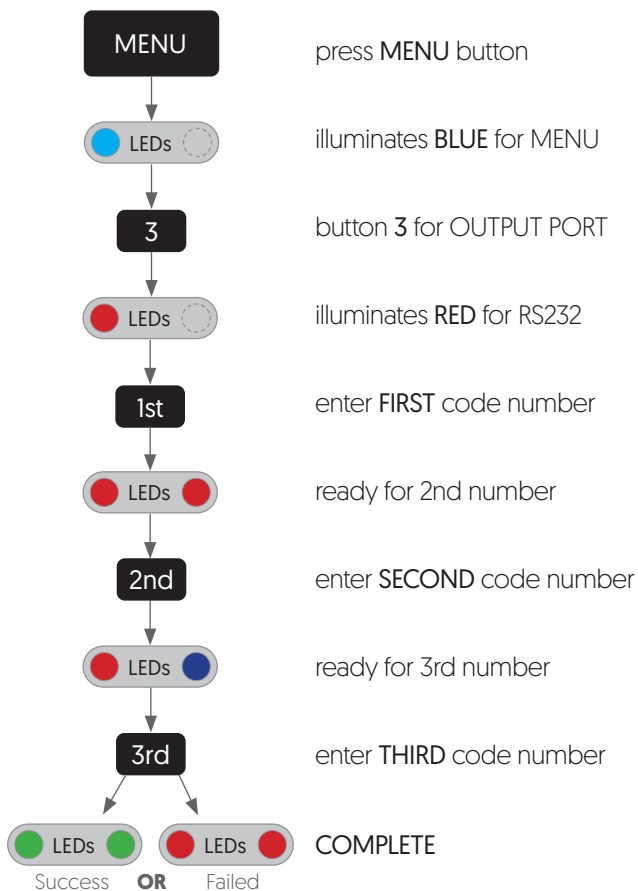
# CONFIGURE OUTPUT PORT **12v trigger** | **IR emitter**

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 lift using the Pure Theatre IR Remote Control.

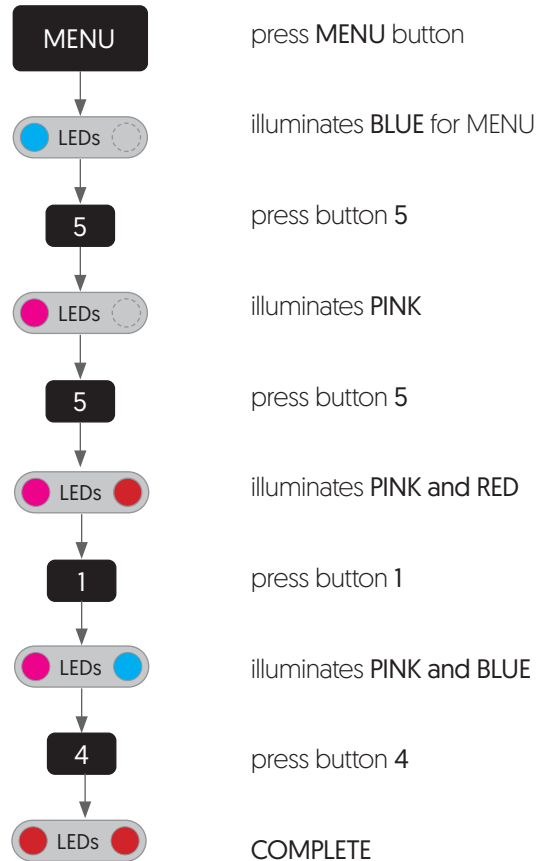
OUTPUT SETUP	CODE		
	1st	2nd	3rd
12 V OUTPUT	1	1	1
OPTOMA	1	1	2
PANASONIC	1	1	3
SONY	1	1	4
EPSON	1	1	5
JVC	1	2	1
BENQ	1	2	2
NEC	1	2	3
INFOCUS	1	2	4



\*Requires additional IR emitter not included

# REBOOT

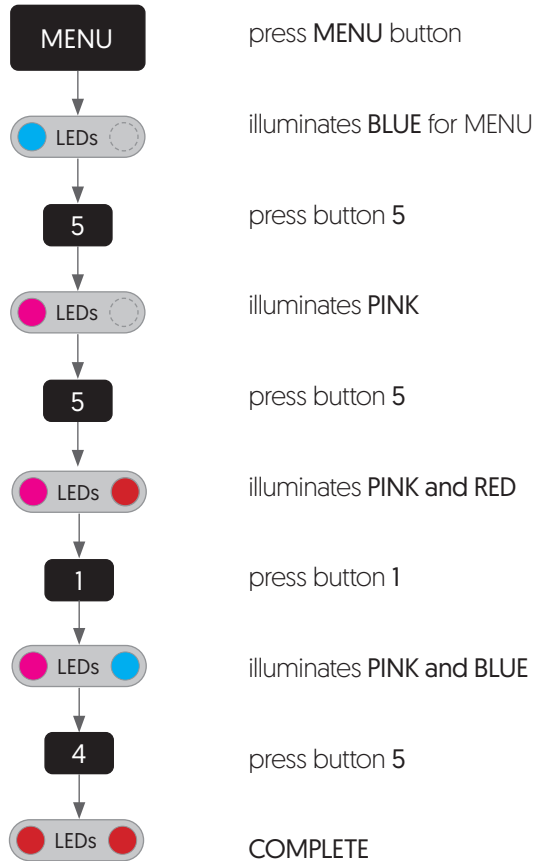
A **reboot** will restart the controller without altering any settings.



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 restoring it back to factory default.







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supplied by

The logo for Pure Theatre is centered within a light gray square 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.

**PURE**  
THEATRE

[www.puretheatre.com](http://www.puretheatre.com)

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