

Thank you for purchasing a Screen Technics AV Lifter and please ensure to read the instruction fully before proceeding to install the unit.

GENERAL ADVICE

- The Interfit AV Lifter is a fully integrated unit that is designed to be installed above the ceiling line of the room and utilises bottom ceiling edge trim pieces to create a neat finish against the ceiling material cut-out.
- No plaster or paint trades are required for this standard installation.
- All electrical and control equipment is contained in the ceiling space, the AV Lifter is driven by a 24v Actuator Motor and is supplied with a low voltage transformer power supply unit that allows connection to standard 3 pin GPO for power.
- Review the cut-out dimension fact sheet attached to the top lid of the unit, as model sizes vary throughout the range.
- Before proceeding ensure that you have enough in-ceiling height to fit the unit. And that your model lifter will accommodate the projector that is specified for the project.
- Make sure you have reviewed the Lens Throw Distance Chart provided with the projector so that the Lifter will be the correct distance from the projection screen and to allow for any sideways lens off-set to achieve a perfect result.

INSTALLATION ADVICE

- Having decided on the position of the Lifter you must now cut the ceiling material to the stated cut-out dimension. We recommend that you divide the cut-out in two and remove one half at a time to prevent torn edges.
- Every above ceiling environment is unique and therefore there is no singular approach to securing the unit within the ceiling space. Following are some accepted install practices.



CHAIN AND TURNBUCKLE

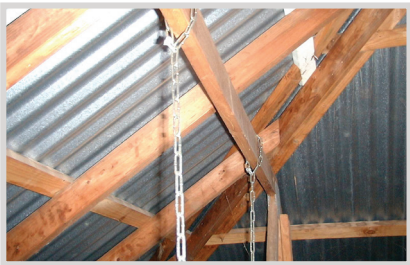
STEP 1. Secure the chain to a suitable structure, such as overhead timber beams, or dyna-bolted to an overhead concrete slab.

STEP 2. A minimum of 4 points to secure the chain is required and it is the installers responsibility to ensure the chain turnbuckle system chosen is strong enough for the safe installation of the unit.

STEP 3. Secure the chain to a suitable structure, such as overhead timber beams, or dyna-bolted to an overhead concrete slab.

STEP 4. Now raise the unit into the ceiling, hold in position from below while a second person secures the other end of the chain to the lifter using the supplied BLACK angle brackets and tighten the turnbuckles till the units ceiling edge trims are firmly pressing against the underside of the ceiling material.

STEP 5. Lock off the turnbuckles.



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ALL-THREAD BROOKER ROD

STEP 1. Secure 4 x brooker rods to a suitable overhead structure with a proprietary loxin system designed to accept threaded rod.

STEP 2. Space around the outside corner dimensions of the unit.

STEP 3. Wind a set of nuts up the rods above the installation height and then insert the rods through the supplied angle brackets

STEP 4. Now wind on a set of nuts under the bracket till the ceiling edge trims are firmly pressing against the underside of the ceiling material, then wind the upper nuts down onto the angle brackets to lock off unit.

Installations are best achieved by having access into the roof space but this is not always possible, and in these instances we advise the following practices:

INSTALLING FROM BENEATH THE CEILING LINE

STEP 1. Connect power in a safe manner to the unit and support the lifter so you can motor the projector cage lower than the ceiling edge trims and you will see 6 Allen key bolts holding the cage assembly to the unit. Remove these and set aside the cage unit.

STEP 2. Now inspect the front edge of the projector mounting plate and remove the 2 off Allen key bolts and pull the plate forward to remove from the lifter assembly.

STEP 3. Now motor the remaining assembly to the full up position and you will see that you now have room to access the interior of the unit.

STEP 4. Inspect the 8 installation slots running up the corner frame uprights. These are used to secure the device to some suitable structure from below the ceiling line.

STEP 5. Either add some timber in the ceiling along two sides to coach bolt into place or suspend from threaded rod or some suitable angle brackets.



STEP 6. Raise the unit into the ceiling, fit the screws or bolts (as appropriate to selected method) and apply upward pressure to the unit so the ceiling edge trims are pressed firmly against the underside of the ceiling material and tighten off the screws or bolts.

STEP 7. Motor down the mechanism and refit the projector plate and cage assembly.

PLEASE NOTE: When utilising the above method of installation from beneath the ceiling, it is best to use a method of fixing to any structure that will allow you at a latter date to remove the lifter for any future servicing issues, without the need to break into the ceiling – please consider this issue before deciding on the best installation method.

PROJECTOR INSTALLATION

STEP 1. This unit comes with a blank projector mounting plate that requires you to mark out the mounting holes and drill where appropriate.

STEP 2. Removal of the plate for drilling and fitting is achieved by undoing the 2 off Allen key bolts along the front underside edge of the mounting plate, and pulling the plate forward.

**CABLE MANAGEMENT
FOR UNITS WITH 200MM TO 600MM TRAVEL**

STEP 1. The rear of the projector mounting plate has a cable management access hole that allows you to run cables through and into the cable management channel, where you can lay out the required cables and lock them into position utilising cable ties in the small regular holes running up the channel.

STEP 2. Be sure to allow enough slack in the cables at ever hinged elbow point so the cables don't interfere with the travel of the lifter.

STEP 3. Exit cables through the supplied opening on top of the unit.

TRAVEL ADJUSTMENT

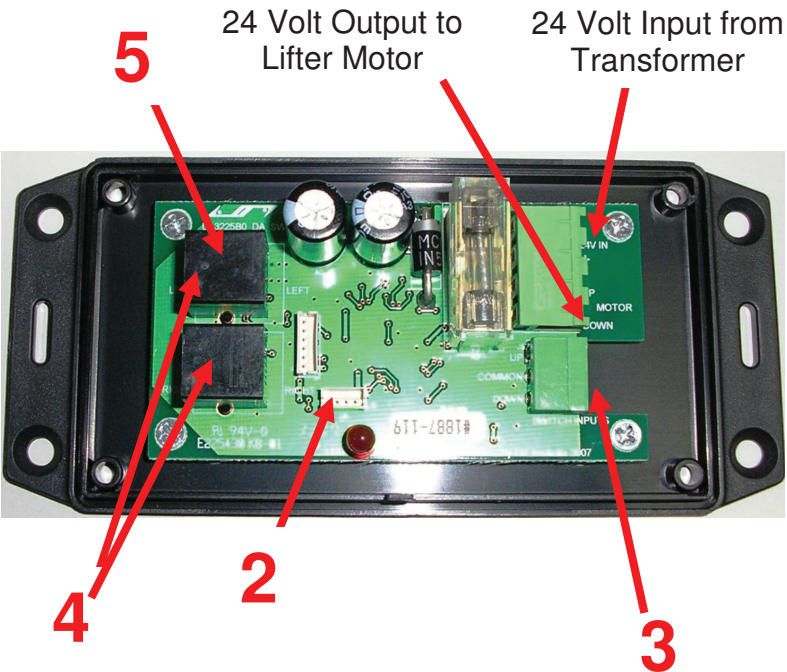
On all Interfit Projector Lifts that use a 24v Actuator Motor there is no allowance for adjustability if travel which is set at the factory and based on standard specifications

24v Actuator Motor Lifts have the following codes:

- 141020AZ
- 141020AW
- 141020AX
- 141024BW
- 141024BX

CONNECT CONTROL MODULE - STANDARD

- After the installation of the Interfit Projector Lift is completed, plug into a standard power point and turn on.
- The AV Lift comes with a 240V to 24 Volt Transformer suitable for Australian and New Zealand GPO's (general power outlet).
- The AV Lift can be operated in three ways:
 - 2 Channel Infra Red Remote Control - supplied
 - Impulse wall Switch - Up & Down (supplied by others)
 - Dry Contact Closure - SPDT (Single Pole Double Throw), for control system connection.



THE FOLLOWING PROCEDURES REQUIRES ACCESS TO THE CONNECT MODULE THROUGH REMOVAL OF THE CONTROL BOX LID AND AS SUCH YOU MUST REMOVE ALL POWER FROM THE UNIT BEFORE PROCEEDING OTHERWISE INJURY MAY OCCUR



POINT 2. INFRA RED REMOTE CONTROL

- The AV Lift is packaged with a 2 channel Infra Red Transmitter and a 300mm long IR Sensor, for connection to the Connect Module.
- Position the IR Sensor Eye with double sided tape or a U Pin, so that it can be seen from where you wish to operate the AV Lift, and use the up and down buttons on the transmitter on channels 2 only to operate the unit.

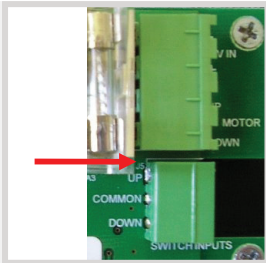


POINT 3A. IMPULSE WALL SWITCH (SUPPLIED BY OTHERS).

- The Connect Module equipped Projector Lifter can also have simple wall switch operation, although due to interior decor choices the actual switch itself is not supplied with the AV Lift and needs to be sourced.
- You will need to connect the impulse wall switch to the dry contact closure input, it provides local control of your Projector Lifter

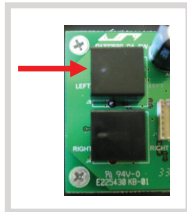
POINT 3B. DRY CONTACT CLOSURE

- This is the industry standard method of switching a AV Lifter via a Building Control System.
- It is operated on a SPDT (single pole double throw) switching standard with an Open, Close and Common input port. It utilises the same connection as the above described Impulse Wall Switch



POINT 4A. INPUT FROM OTHER CONNECT PRODUCTS (PROJECTION SCREEN)

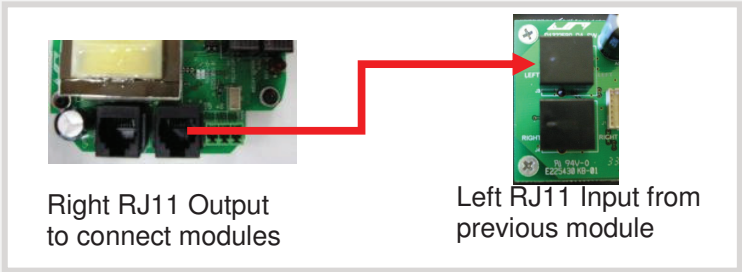
- The Left RJ11 Input allows you to daisy chain from another connect module eg: Electricinema Projection Screen and have both products controlled via the IR remote control



POINT 4B. OUTPUT TO OTHER CONNECT PRODUCTS

- The Right RJ11 output allows you to daisy chain to another connect module eg: Electricinema Projection Screen and have both products controlled via the IR remote control

NOTE: CONNECTION MUST BE FROM RIGHT RJLL OUTPUT TO LEFT RJLL INPUT UP TO 9 MODULES IN TOTAL



POINT 5. CONNECTION OF LOW VOLTAGE TRIGGER MODULE (NOT SUPPLIED)

- The Left RJ11 Input allows you to connect the Low Voltage Trigger Module, the module requires 5V - 24V DC to operate. When DC voltage is supplied to Low Voltage Trigger from a projector or control system the projector lift will lower and when no DC voltage is present the projector lift will raise.

NOTE: THE LOW VOLTAGE TRIGGER MUST BE CONNECTED TO THE LEFT RJLL USING 6 CORE FLAT CABLE TO FIRST CONNECT MODULE.



ONCE YOU HAVE CHOSEN YOUR SWITCHING METHOD ENSURE THAT YOU REFIT THE LID OF THE CONTROL BOX BEFORE APPLYING MAINS POWER TO THE SCREEN.

Should you have any questions regarding the installation of our projection screens please call our technical sales desk on +61 2 4869 2100 for assistance.