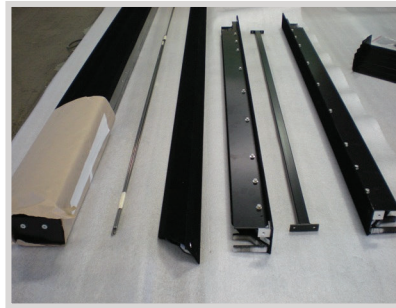


Thank you for purchasing a Screen Technics Projection Screen, please ensure that you read the following instructions fully before attempting to install this product.

## IMPORTANT INSTRUCTIONS

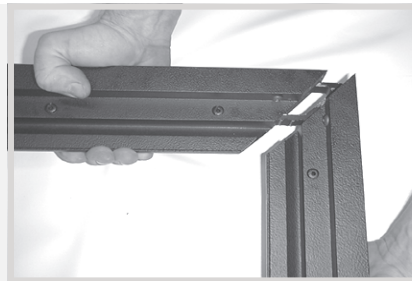
This product has been finished in black flocke velvet and as such is easily damaged during the installation process. It is recommended that you layout all the parts and construct the unit on a soft clean surface, such as a drop sheet, so as not to damage the frame finish.



## FRAME ASSEMBLY

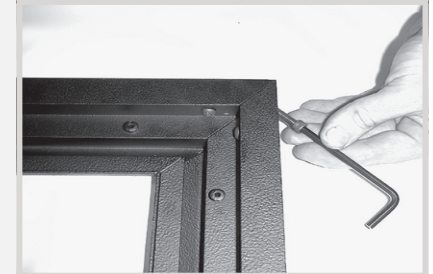
**STEP 1.** Layout all components ready for assembly as shown above.

**STEP 2.** Assemble the bottom and two side frames together, please note the larger head- box top frame should be put aside during this process



**STEP 3.** Push the two corners of the frame together. You may need to use a plastic or wooden mallet (not metal) to achieve this result, please use mallet very softly so not to damage finish, although a good wiggle of the frame will normally suffice.

**STEP 4.** With the Hex Head Allen-Key bolt use the provided Allen-Key to screw tight both corners. You must ensure both corners are square and that no visible gaps are obvious before you start to insert the bolt, otherwise jamming may occur.

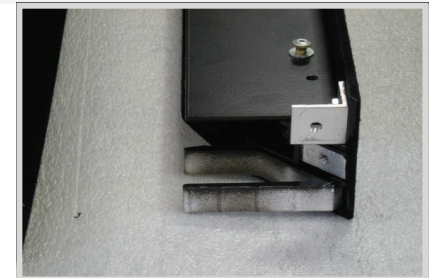


**STEP 5.** Before fully tightening the external Allen-Key bolts, tighten the internal frame Allen- Key bolts, one in each corner, then finally fully tighten the external bolts.



**STEP 6.** You will see connected to the bottom corner of the side frames an angle bracket that now requires bolting to the bottom frame using the M5 nut and bolts provided. The lower half of your frame is now complete, now to assemble the top section.

**STEP 7.** With the three piece frame assembly lying on its back, carefully position the Head- box unit into place at the top of the frame. Do not remove the brown paper that holds the masking in place, but remove or tear small sections of the paper if in the way of assembly



Continued Over.../

**STEP 8.** Push the two corners together. You may need to use a plastic or wooden mallet (not metal) to achieve this result, although a good wiggle will normally suffice.

**STEP 9.** With the Hex Head Allen-Key bolt use the provided Allen-Key to screw tight both top corners. You must ensure both corners are square and that no visible gaps obvious before you start to insert the bolt, otherwise jamming may occur.

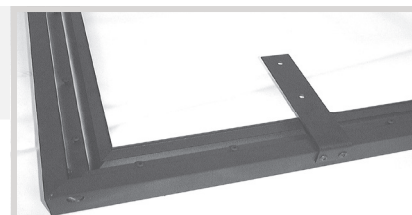
**STEP 10.** Before fully tightening the external Allen-Key bolts, tighten the internal frame Allen-Key bolts, one in each corner, then finally fully tighten the external bolts.

**STEP 11.** On the underside of the head-box you will see at either end of the underside angle a screw hole for a pair of countersunk screws, please screw these in place. You now have the body of the frame assembly completed.

**STEP 12.** Now remove the packing material holding the masking in place on the head-box, and from now on be careful not to hold the assembly upside down as the masking may fall back into the head-box

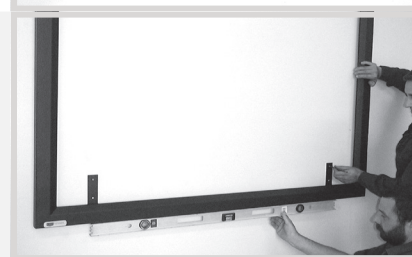
## BRACKET MOUNTING SYSTEM

**STEP 1.** The unit comes supplied with 6 x L-Shaped wall brackets.



**STEP 2.** The brackets are supplied with self-tapping Tek screws that allow you to drill directly into the frame anywhere that best suits wall stud supports and the like.

**STEP 3.** Later on in the installation you will need enough room to re-screw these Tek screws top and bottom of the frame for final fixing, while in position on the wall. If you do not have enough top room for this procedure, refer section (b).



**STEP 4.** It is recommended that you utilise three brackets each on the top and bottom of the frame, although side fixing in conjunction with bottom brackets would also be acceptable practice.

**STEP 5.** Once you have determined the best location for the brackets in relation to wall

**STEP 6.** You can now rest the frame on the lower brackets while installing the top mounts.

**STEP 7.** With all 6 brackets attached, and the frame assembly ( without the screen surface attached) against the wall you can make your drill holes and fix brackets to the wall.

**STEP 8.** Using appropriate fixing hardware, ensure the method of attachment is secure and safe.

**STEP 9.** Once the brackets have been secured to the wall, we now remove the frame while leaving the brackets in place on the wall, so remove the Tek screws holding the bracket to the frame and carefully place the frame face down on a suitably soft and clean surface, like a drop sheet. It is now time to install the surface.

## SECTION B.

If not enough 'elbow' room at top of frame to screw in the brackets to the frame (roof too close), then utilise the nylon bushes supplied with a small Allen-Key bolt and fix one each to the three top brackets, and once you determine the correct position of the brackets against the wall, drill a locating hole for the nylon bushes.

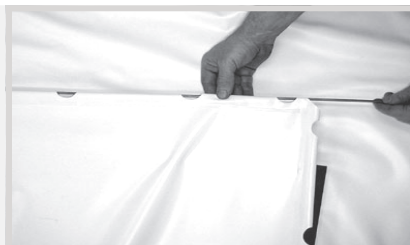
Simply insert the bushes into the holes first and then screw fix the bottom brackets, locking the frame in place.

**OPTION 2:** The frame assembly also comes with captive nut-serts facing towards the wall, which allows for threaded rod - 5/16 Whitworth (supplied by others) - to fit to a suitable structure from behind and locked off with a nut. Ensure the threaded rod is not inserted into the head-box more than 15mm as it may damage the masking.

## ATTACHING THE SCREEN SURFACE

Please do not allow the supplied steel rods to come into contact with the viewing area of the screen surface as residue may leave a mark on the screen.

**STEP 1.** Lay the screen surface viewing side up on a suitably soft and clean surface, like a drop sheet, and insert the four steel rods into the sleeve surrounding the screen surface



**STEP 2.** Place the surface packing sheet down on the floor underneath the frame assembly to protect the surface for the next step.



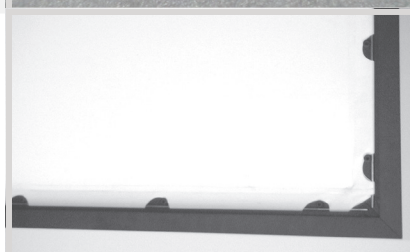
**STEP 3.** Once the rods have been placed into the screen sleeve, with two people lift the screen surface up and place onto the back of the frame assembly, viewing side down

**STEP 4.** Attach the screen surface to the frame as shown below, placing surface cut-out holes over the raised rivet heads and hold in position utilising the rod. Ensure to work the screen evenly from centre to centre and then out to the corners evenly on all four sides.

**STEP 6.** Now attach the centre brace bar by utilising the M4 countersunk bolt and nut set in the lower drilled holes in the centre of the bottom frame, and use the self tapping Tek screws to fit to the top head-box frame.



**STEP 7.** Place the frame back on the wall, lining up the Tek screw holes on the existing wall brackets and re-screw the Tek screw back in place. Wipe down the screen with a soft cloth to dust and gently brush the floccle frame to remove any finger marks and flat spots.



## BEFORE USE:

- Ensure that the masking is untaped from the head-box before operating the masking motor, or damage will occur.
- Handle the masking as little as possible and it easily marks.
- Make sure the masking is placed in the correct position to slide out of the masking opening before rolling it down.
- On the first roll down of the masking, please do this little by little, using the stop function to inch you way down, to make sure of its free travel, once it has come down once successfully and is straight hanging, normal use can then be used.
- This system comes with a iConnect Motor Controller that allows IR Remote Control or Momentary Contact Closure to operate. Please see instructions below.

## WARNING

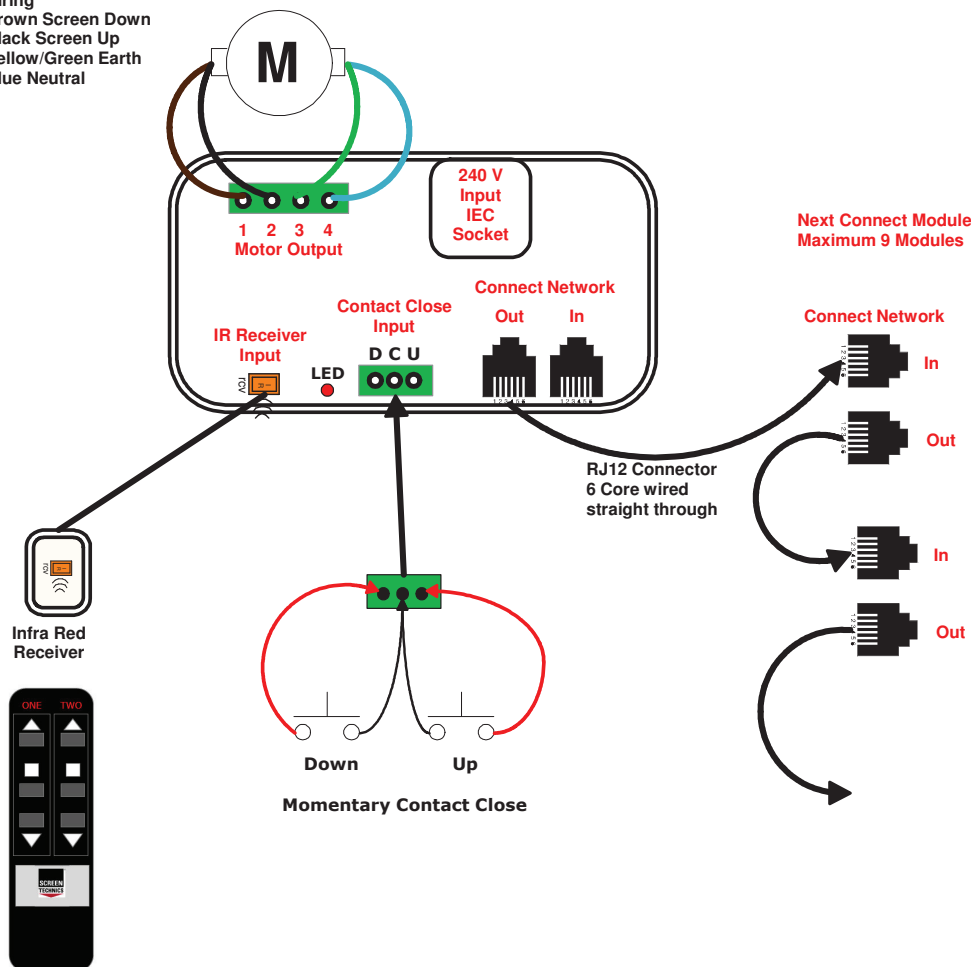
*The motor limits for the masking have been set at the factory and should not be adjusted without prior authority from Screen Technics, as serious damage may result, voiding any warranty regards this product.*

## PLEASE FOLLOW THESE INSTRUCTIONS TO ENSURE TROUBLE FREE OPERATION;

- Cleaning of the screen is best achieved by first dusting the surface with a feather duster, then to remove any stubborn marks, use a small amount of mild detergent and warm water on a clean white lint free cloth. It is most important that you only treat the actual mark by this process and not the entire surface. Do not use any abrasive cleanser as this will damage the surface.

## iConnect 240 Volt Motor Controller for 4 Core Projection Screens, AV Lifters and Motorised Blinds

**Motor Wiring**  
Pin 1 - Brown Screen Down  
Pin 2 - Black Screen Up  
Pin 3 - Yellow/Green Earth  
Pin 4 - Blue Neutral



### 240 VOLT MAINS CONNECTIONS

- The iConnect motor controller is supplied with a 240 V IEC power lead for connection to a standard GPO.
- The 240 V output to the 4 core motor is via the supplied WAGO connector.

### PIN WIRING CONFIGURATION

- Pin 1 Brown (Motor Down)
- Pin 2 Black (Motor Up)
- Pin 3 Green/Yellow (Earth)
- Pin 4 Blue (Neutral)

### POWER ON INDICATOR (NEXT TO IR INPUT)

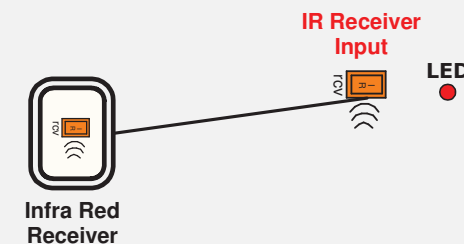
- When LED is Green, indicates mains 240V present and iConnect module is on.
- When LED is Red, indicates that iConnect module is in program mode.

### IR Receiver Input



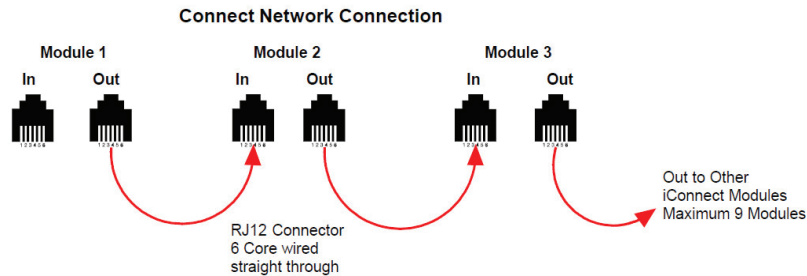
### FOR INFRA RED OPERATION YOU WILL REQUIRE (SUPPLIED SEPARATELY)

- Screen Technics 2 Channel infra red transmitter (Product Code 6500101)
- Screen Technics Connect infra red sensor (Product Code 6500102 Length 300mm) or (Product Code 6500103 Length 2000mm).
- Infra red receiver is connected to the IR receiver input on iConnect module.
- Factory standard infra red operation is infra red channel one (1).
- For individual infra red channel control (up to 9 Infra Red Channels can be programmed via the 6 button infra red transmitter if required. (Contact Screen Technics for details)



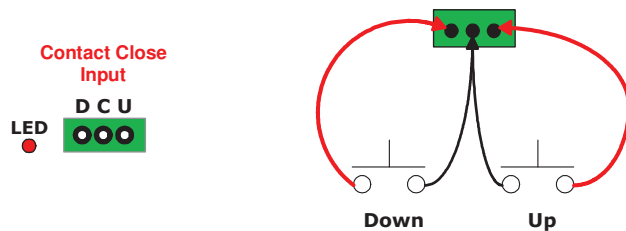
### CONNECT NETWORK CONNECTION

- The connect network allows for the connection of up to nine (9) iConnect 240V or 24V modules.
- Connection between modules is via a RJ12 6 Core cable wired straight through.
- Connection is made by connecting from the RJ12 connect network out to the RJ12 connect network in.
- A 10 metre RJ12 Connect daisy chain cable is available (Product Code 6500104).



### CONTACT CLOSE INPUT

- Requires two (2) contacts - one for up command and one for down command.
- Contact operation is momentary dry contact, command is sent when contact is reopened (Lagging Contact)
- Contact close input is local only, can be parallel wired to other modules for multiple control.
- Contact close can be reprogrammed to single latched mode by using the 6 button infra red transmitter if required. (Contact Screen Technics for details)
- Two button impulse switches are available (Product Code 3500998)



### INTERFACING WITH THIRD PARTY CONTROL SYSTEMS

The iConnect module can be connected to the iReply (Product Code 6500300) interface via the connect network to provide

- RS232 control
- RS485 Control
- TCP/IP Control
- USB Control

(Contact Screen Technics for details.)

### FACTORY RESET PROCEDURE

Should you experience problems with the operation of the iConnect module at the time of installation, a factory reset can be initiated to confirm operational integrity of the iConnect module.

- Infra Red receiver must be connected to the iConnect module
- Disconnect module from mains power for 20 seconds
- Reconnect module to mains power.
- LED on iConnect module will change from green to red (module is now in program mode).
- Using the 6 button infra red remote push buttons in the sequence of:
  - **Stop 1 - Stop 1 - Stop 2 - Stop 2 - Stop 1 - Stop 1**
  - To confirm that the reset was performed the projection screen, AV lifter or roller blind will jiggle up and down. The module is now reset to factory standard (Infra red operation is group one (1) and contact close is momentary operation.

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.