

MATRIX Light Box Kit Assembly Instructions

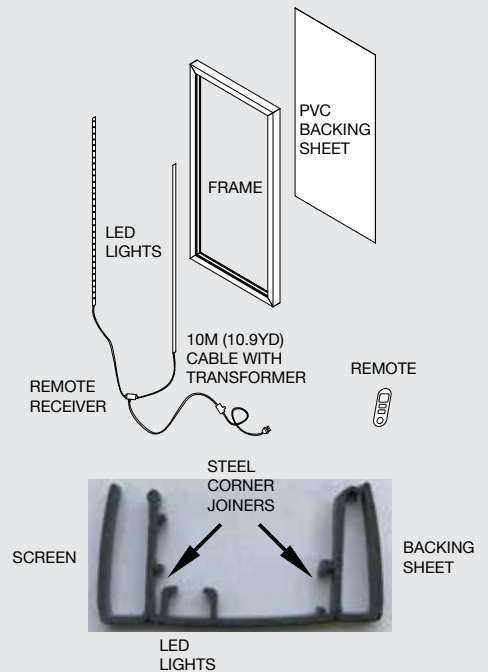
Parts included:

- 2 x 1840mm & 2 x 940mm UV-stabilised 'Charcoal' PVC frame lengths
- 8 x Galvanised steel corner joiners
- White PVC backing sheet
- 2 x spacer bracket
- 18 x backing sheet tension clips
- 2 x waterproof LED light strips
- Weatherproof junction box with RF remote receiver
- 10m weatherproof 240V AC to 12V DC transformer
- Remote control
- Detailed assembly and installation instructions

Tools required:

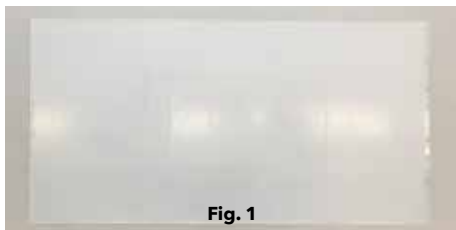
- Rubber mallet or similar
- Flat head screwdriver

NOTE: 1800 x 900mm MATRIX Décor Screen sold separately



TO ASSEMBLE THE LIGHT BOX

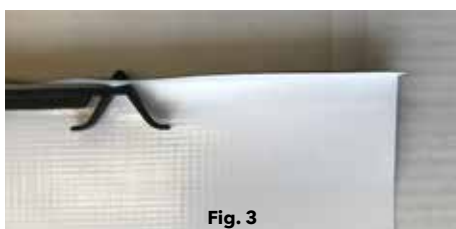
1. Place the contents on a clean, flat surface and identify each part as listed above.
2. Unroll and lay the backing sheet down on a flat, clean surface with the white side up. (Fig.1)



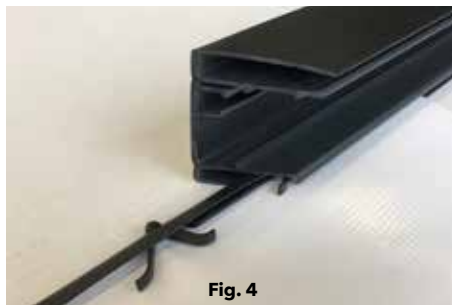
3. Insert five tension clips from the white side into the pre-punched holes on each of the long sides of the backing sheet, with the points facing outward. (Fig. 2)



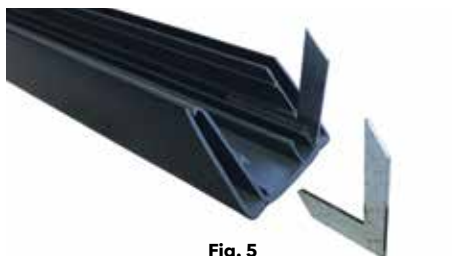
4. At the end of the backing sheet that the PVC frame will slide onto, fold over the loose edge of the backing sheet. (Fig. 3)



5. With the "hooked" side of the long PVC frame piece at the bottom, carefully slide onto the backing sheet. Make sure that the tension clips slide into the opening of the frame and the backing sheet does not catch. (Fig. 4)

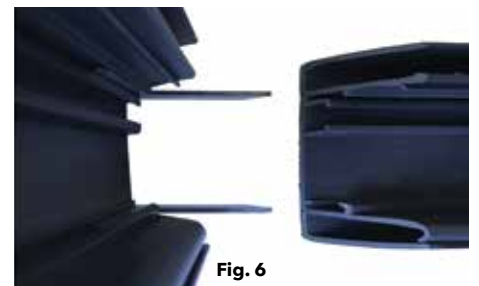


6. Repeat for the other long frame piece.
7. Using a rubber mallet, gently tap two galvanised steel joiners into each end of both of the short PVC frame pieces. (Fig. 5)



8. Decide whether the power supply will come from the top or bottom of the Light Box. If the power supply will come from the bottom, then assemble the bottom piece with the hole. If the power supply will come in at the top, then assemble the bottom piece without the hole.

9. Make sure that the wire from each LED strip is facing the end of the Light Box that will have the power supply. i.e. towards where the short frame piece with the hole will be.
10. With the "hooked" side of the short frame piece at the bottom, gently tap the bottom short PVC frame piece with galvanised joiners into each of the long frame pieces using a rubber mallet. (Fig. 6)



11. Insert four tension clips from the white side of the backing sheet with the points facing outward into the pre-punched holes where the backing sheet meets the bottom short frame piece.
12. Using a flat head screwdriver, push each tension clip into the bottom gap in the short frame piece, and tuck in any backing sheet that is visible. (Fig. 7)



- If the screen you are using has a right-way-up design, make sure the bottom of the screen is going into the frame first. Slide an 1800x900mm MATRIX Décor Screen (sold separately) into the opening of the PVC frame and down the two long sides, but not all the way. (Fig. 8)



Fig. 8

- Place one spacer bracket into each bottom corner of the PVC frame. **IMPORTANT:** Position so the rounded ribs are up against the long sides of the frame. This will help centre the screen, while at the same time allow it to expand and contract with changes in temperature. (Fig. 9)

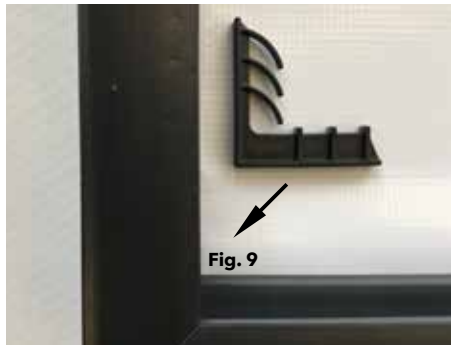


Fig. 9

- Connect the wires from the LED strip lights to the junction box and insert it into the hole in the short PVC frame piece. (Fig. 10)



Fig. 10

- Slide the MATRIX Décor Screen the rest of the way into the PVC frame.
- Complete the frame by gently tapping the second short frame piece into the two side pieces with a rubber mallet.
- Flip the Light Box over so the backing sheet is on top and insert the remaining four tension clips into the pre-punched holes from the black side of the backing sheet, with the points facing outward.
- Using a flat head screwdriver, push the tension clips into the gap in the top short frame piece and tuck in any backing sheet that is visible. Be careful not to let the backing sheet pinch or gather in the corners as it may tear.
- The MATRIX Light Box is now fully assembled, continue on to installation.

Tools & hardware required:

- Ladder
- Drill and suitable drill bits
- Tape measure
- Pencil
- Spirit level
- Suitable fasteners
- Rubber mallet or similar
- Flat head screwdriver

TO INSTALL THE ASSEMBLED LIGHT BOX

- Find a suitable area to install the MATRIX Light Box.
- Depending on the position of the junction box, leave a minimum 50mm gap at the top or bottom end where the power will be connected.
- Decide on the required position of the Light Box, then mark a level horizontal line 10mm below where the top of the light box will be. This is where the top of the J-channel will be positioned.
- With a suitable drill bit, drill three holes through the tall side of the J-channel and then into the wall or fence.
- Secure the J-channel to the wall or fence using three suitable fasteners (to be purchased separately).
- Measure 1790mm down from the bottom of the J-channel, and mark a level horizontal line.
- With a suitable drill bit, drill one hole through each leg of right-angle bracket.
- Space the right-angle brackets evenly, position them on top of the line and drill holes into the wall using a suitable drill bit. Attach right-angle brackets to the wall or fence with suitable fasteners (purchased separately).
- Hang the top of the MATRIX Light Box on the J-channel where the backing sheet is tucked in.
- Secure the bottom of the frame to the right-angle brackets using two small wood screws.
- Connect the long power lead to the junction box and plug the transformer into the nearest power point.
- The Light Box can now be operated with the included remote control. Functions include on/off, dimmer, flash and colour selection.