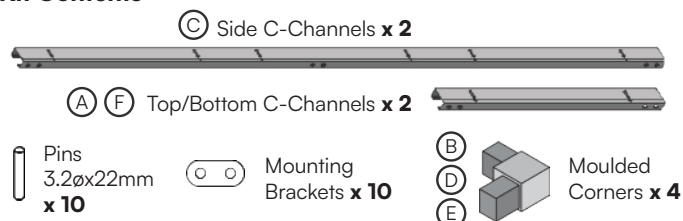# Jack

Matrix® C-Channel Frame Kit

## For Lattices & Screens | INSTALLATION INSTRUCTIONS

Jack Matrix C-Channel Frame Kit is designed to be used with Jack Matrix Lattices and Screens. It allows you to attach the panel between or in front of vertical or horizontal supports, or to the inside of a frame. The Jack Matrix C-Channel Kit makes installation of Jack Matrix Lattice and Screen Panels easy, attractive and secure, while allowing the panel to expand and contract with changes in temperature.

Assembly Overview

Kit Contents

Ⓒ Side C-Channels **x 2**

Ⓐ Ⓕ Top/Bottom C-Channels **x 2**

Pins 3.2øx22mm **x 10**

Mounting Brackets **x 10**

Ⓑ Ⓓ Ⓔ Moulded Corners **x 4**

|	Side Length (mm)	Top/Bottom Length (mm)
2412 Kit Assembled Size 2425 x 1218mm	2385	1178
1812 Kit Assembled Size 1808 x 1218mm	1768	1178
1809 Kit Assembled Size 1808 x 912mm	1768	872
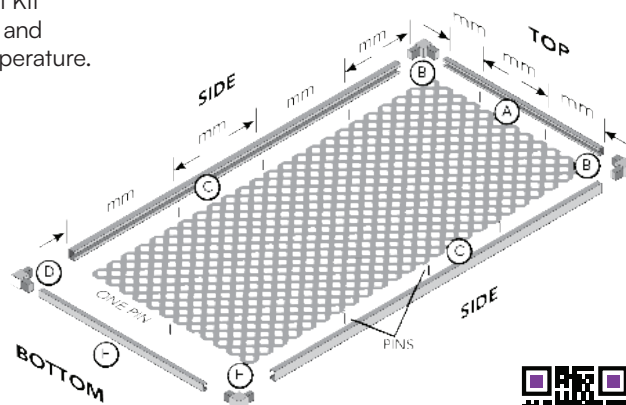
Tools and hardware recommended

- Spirit Level
- Rubber Mallet
- Tape Measure
- Pliers

- Steel Saw
- Jigsaw
- Drill with a 3mm drill bit
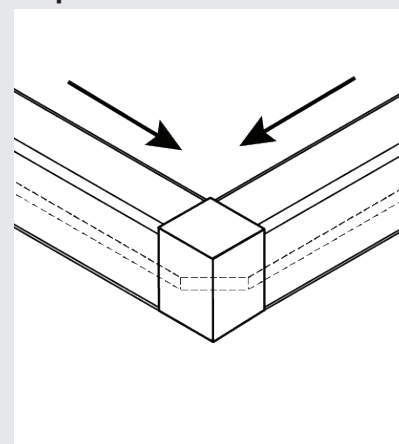- Screws or bolts for attachment

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Quick Start Guide

Step 1: Drill and fix pins
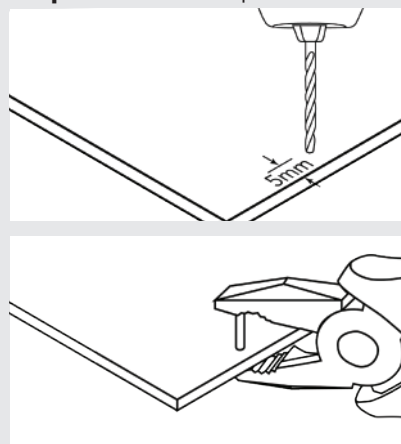
Step 2: Slide channels into place
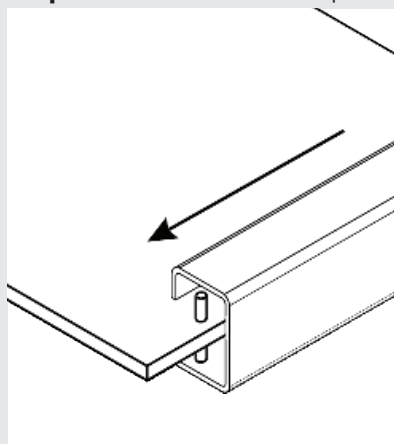
Step 3: Insert corners

Panel Dimensions

Some expansion and contraction of the lattice/screen will occur with changes in temperature (see table on right). Attaching Jack Matrix screening products with no provision for thermal expansion and contraction will void the warranty. Figures shown are an approximation only of variation due to temperature fluctuations.

	2412 Kit	1812 Kit	1809 Kit
At 0°C	2400 x 1200mm	1794 x 1201mm	1794 x 897mm
At 20°C	2410 x 1205mm	1800 x 1205mm	1800 x 900mm
At 40°C	2420 x 1210mm	1806 x 1209mm	1806 x 903mm

Jack. Matrix® C-Channel Frame Kit

For Lattices & Screens

INSTALLATION INSTRUCTIONS

1. Prepare the Panel and Frame Components

- This kit is designed to fit a standard full sheet of lattice or screen panel 2410 x 1205mm. The use of recycled materials, some variation in panel size may occur. If adjustment is necessary, cut down the channels so that they are 25mm shorter than the panel dimensions.

- If you need to reduce the height and/or width, cut the C-channels with a steel saw first, then trim the panel using a jigsaw by the same amount.

- Use three pins (evenly spaced 300-600mm apart) on each long side and two pins (spaced 400mm apart) on the top short side. Only place one pin in the centre on the bottom edge **(Fig. 1)**
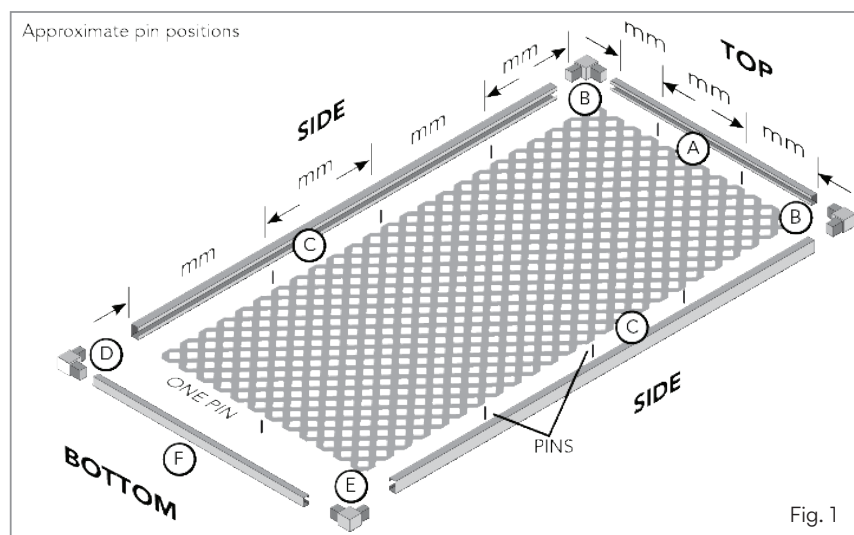
Approximate pin positions

TOP
SIDE
SIDE
BOTTOM
ONE PIN
PINS

Fig. 1

- Drill 3mm holes 5mm from the edge of the panel **(Fig. 2)**

- Using pliers insert the pins supplied in the kit into the holes **(Fig. 3)**
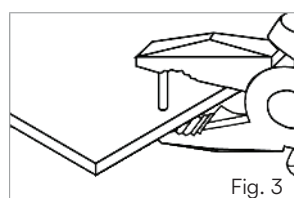
- Cut off corners and notch edges as required to create clearance for screws **(Fig. 4, 5)**. This is not required if the screws can be positioned in the gaps of the lattice.
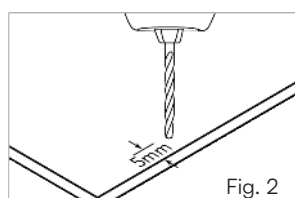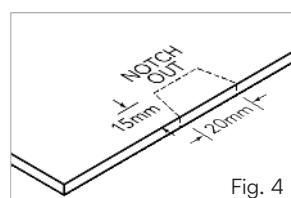
Fig. 2

Drill 3mm hole, 5mm from edge using template above

Fig. 3

Insert pins into panel

NOTCH OUT
15mm | 20mm |

Fig. 4

Cut away 15 x 20mm from screen edge if attaching through C-channel as in Fig. 8 & 10
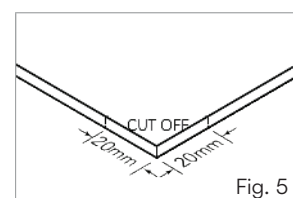
CUT OFF
20mm | 20mm |

Fig. 5

Cut off 20 x 20mm from screen corner if attaching through plastic corners as in Fig. 7

2. Assemble the C-Channel Kit (see Fig.1)

Ⓐ Slide top C-channel over the pins **(Fig. 6)** onto the top edge of the panel.

Ⓑ Insert a moulded corner into each end of the top C-Channel and tap in gently.

Ⓒ Slide the two side C-channels along the edges of the panel over the pins and gently tap into place.

Ⓓ Insert a corner into one of the free ends of the long (side) C-channel and gently tap into place.

Ⓔ Insert the last corner into the remaining short (bottom) C-channel and gently tap into place.

Ⓕ Slide bottom C-channel over the pin on the bottom edge of the panel and gently tap into place. Flex the C-channel on the long sides to align the last corner with the bottom and side and complete the assembly.
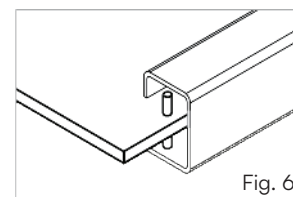
Fig. 6

Slide C-channel over pins

3. Attach the Framed Panel

- Use the 10 supplied flat brackets to secure the frame to your support structure. Ensure brackets are positioned in areas to coincide with the panel notches **(Fig. 7)**.

- Attach the flat brackets to the C-Channel using screws or rivets ensuring that the screws are offset from the centre of the C-Channel **(Fig. 8)** so that they do not interfere with the thermal expansion of the panel. Position the brackets so they don't interfere with the pins.

- We recommend using three brackets on each long side and two brackets on the short side **(Fig. 1)**.

- Attach the other end of each bracket to the support structure using appropriate screws.

- Alternatively, drill holes straight through the corners and/or C-channels and attach directly to the support structure using screws 50mm or longer **(Fig. 9, 10)**.
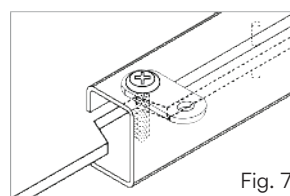
Fig. 7

Cut away screen to prevent interference with screws

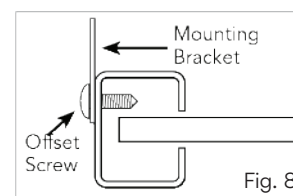Mounting Bracket
Offset Screw

Fig. 8

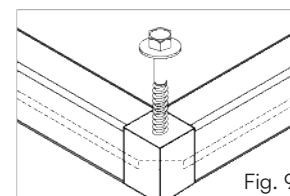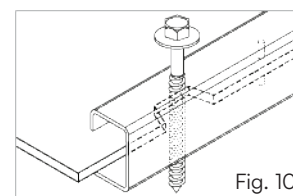Offset screws so that they do not interfere with the panel

Fig. 9

Attaching through plastic corners

Fig. 10

Attaching through C-Channel