

HANDY HINTS SHEET 5

...helping you get started.

How To Join A Frame
Using The Studio Joiner

YOU WILL NEED

JOINER



GLUE



V-NAIL

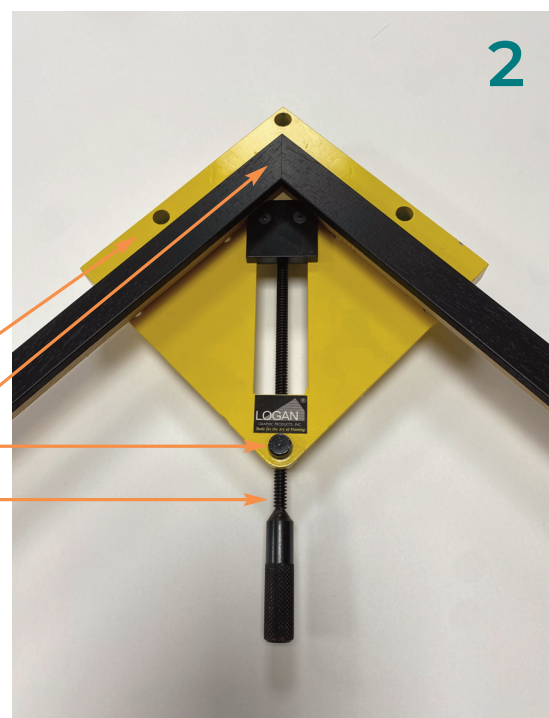
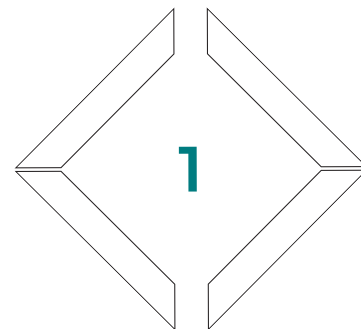
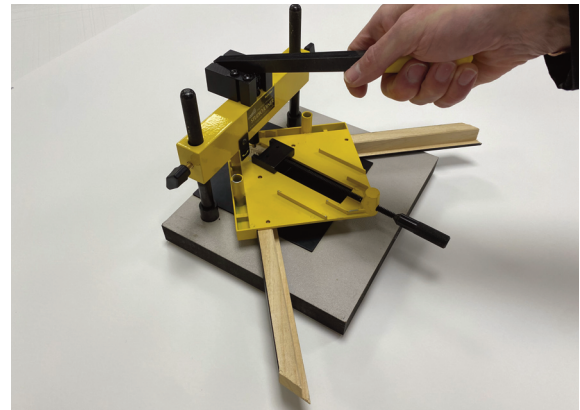


This joiner system allows you to join 1 corner at a time. Using the special corner clamp in the kit you can make frames on a much larger scale than using a "strap clamp", where you clamp all 4 pieces together before joining.

This simple, desk top solution also adopts a similar work pattern to professional underpinning systems, which use the same style of v-nails (wedges) and "a corner at a time" approach to joining.

15 STEPS TO JOIN A FRAME USING A STUDIO JOINER

- 1 You will first of all join 2 pairs of L-shapes using a long and short piece for each pair. (see diagram 1). To place the first pair in the clamp, have the clamp face up (ie smooth surface). Press down the quick release button on the clamp, and keeping the pressure on the button, pull the threaded bar towards you and release the pressure on the clamp release button. (see diagram 2)
- 2 Put glue along one of the mitred ends of the first pair you are joining. Remember you will want the glued end to be in the joint you are making.
- 3 Place 1 long piece of moulding on the left hand side of the clamp system – moulding is face up, back of the moulding against the clamp "fence". Put 1 short piece in the right hand side of the clamp system – moulding is face up, back of the moulding against the clamp "fence".
- 4 Before engaging the clamp, manually slide the two lengths of moulding along the two clamp fences until they join along the mitred ends. Manoeuvre until you are satisfied that the join is a good one. (see diagram 2)
- 5 Engage the clamp "quick release" button and slide the threaded bar away from you until the clamp head is holding the mitre joint firmly. Release the button and tighten the clamp further using the knob at the end of the threaded bar.
- 6 Should any glue be squeezed out of the joint, wipe off immediately, with a dry cloth.



CLAMP FENCE

MITRE JOINT

QUICK RELEASE BUTTON

THREADED BAR

HANDY HINTS SHEET 5

...helping you get started.

How To Join A Frame
Using The Studio Joiner

REMEMBER:

Before starting to form your frame, make sure:

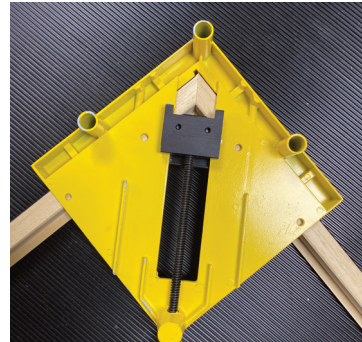
- That you have a tidy work area allowing you to use a rule without any hindrance;
- That all tools not in use have been tidied away into the toolbox.
- That your picture and mount are away from the area where you will be gluing

- 7 Now turn the clamp over and slide the clamp under the beam of the studio joiner.
- 8 Loosen the two knobs at the ends of the beam and lower the beam and pinner so that the pin of the joiner is about 5 mm above the moulding. (see diagram 3)
- 9 Tighten the two knobs.
- 10 Place the appropriate size v-nail on the magnetic pin of the joiner. Make sure the bevelled (sharp) edge of the v-nail is facing down.
- 11 Using the black arm of the joiner, lower the v-nail until it is almost touching the surface of the moulding. Now rotate the v-nail so that it is positioned with the corner of the nail on the join and the two edges running parallel to each of the edges of the moulding. (see diagram 4)
- 12 Now use the black lever arm to push the nail into the moulding (see diagram 5).
- 13 By adjusting the position of the moulding, insert more v-nails: always aim to have one nail towards the back edge and a second towards the leading edge. You can fill in extras between the two to ensure a secure join.
- 14 REPEAT ALL OF THE ABOVE steps for the second pair of sides.
- 15 Now, in the same way, join the two "L-shapes" together, working on one corner at a time. *Remember to glue two ends of one L-shape before clamping and joining the first of these two remaining corners.*

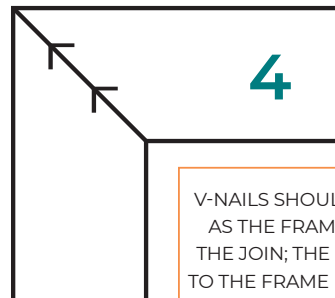
QUALITY CONTROL:

Good quality frames will:

- Have crisp corners at 90°
- Lie flat on either front or back
- Show no significant gaps in joints



ADJUSTABLE
BEAM KNOBS



V-NAILS SHOULD HAVE THE SAME PROFILE AS THE FRAME: THE (BACK) CORNER ON THE JOIN; THE EDGES RUNNING PARALLEL TO THE FRAME EDGES. START WITH ONE PIN AT THE BACK OF THE FRAME (ABOUT 5MM FROM THE EDGE) AND A SECOND TOWARDS THE FRONT.

