# LCC Modelling System

## B 70-27L O gauge SR style signal box - left version

**All drawings are not in scale. Some proportions on drawings may differ from reality.**

For additional elements for modification and extension please visit our website at www.lcut.co.uk or email us at contact@lcut.co.uk

Width: 111mm, with balcony/stairs: 200mm
Depth: 76mm, with balcony/stairs: 90mm

Bundle contains:

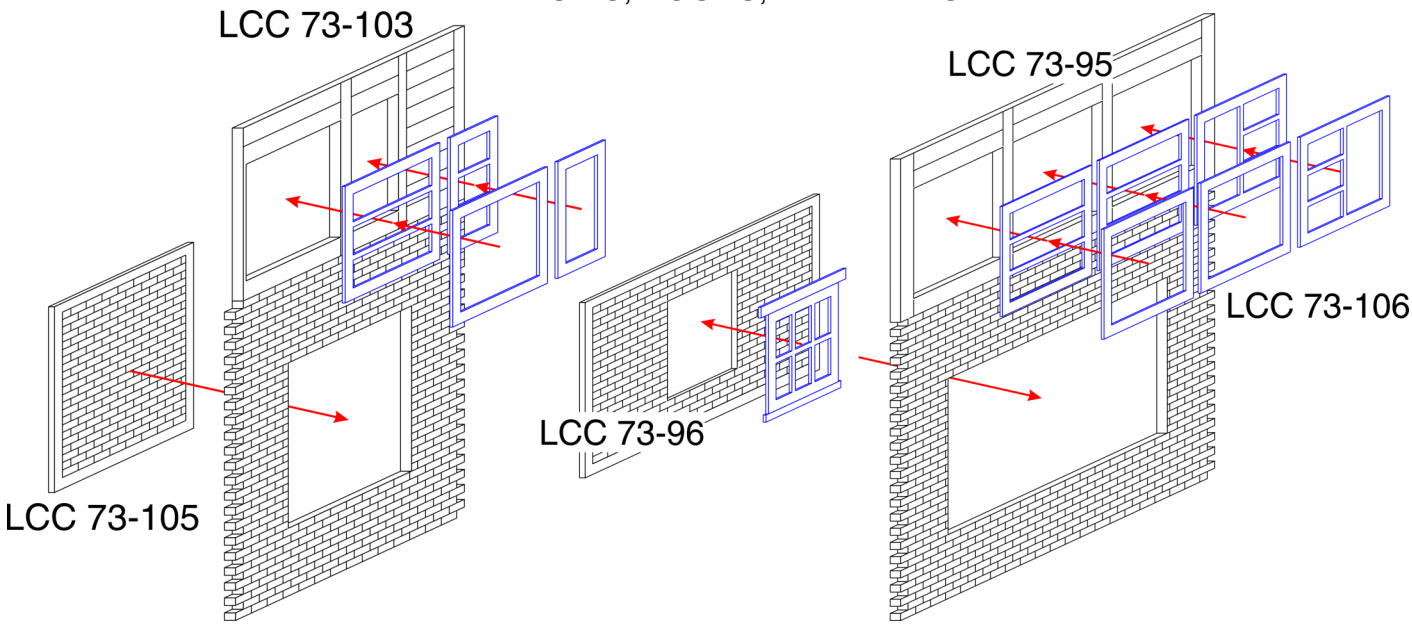
- 2x LCC 70-09
- 1x LCC 73-95
- 1x LCC 73-96
- 1x LCC 73-97
- 1x LCC 73-98
- 1x LCC 73-100
- 1x LCC 73-102
- 1x LCC 73-103
- 1x LCC 73-105
- 1x LCC 73-106
- 1x LCC 73-107
- 1x LCC 73-108a
- 1x LCC 73-108a-L
- 1x LCC 73-109a
- 1x LCC 73-109b
- 1x LCC 73-110
- 2x LCC 73-111
- 1x LCC 73-112
- 2x Door knob

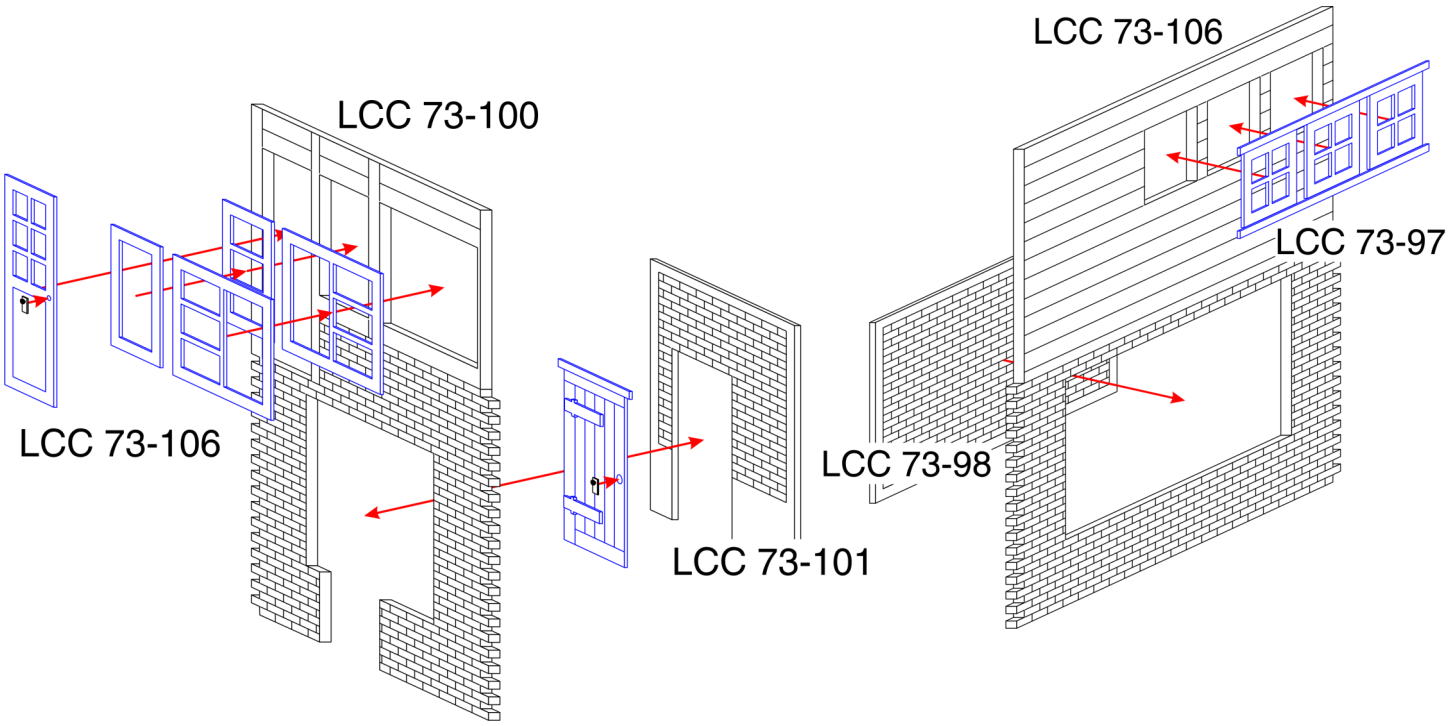
! We recommend PVA or any other paper/wood glue for the main fibre board parts and resin based glue for 3D printed parts if present.

Painting recommendation: We recommend using acrylic or enamel paints. There is no need to undercoat the surface but it can be done if desired. The material used is porous and relatively forgiving, heavy coats are unlikely to flood the brickwork. If you experience any warping in the material leave it to fully dry and then gently bend it back into shape. Always test any paints in an area that will not be seen or on spare parts/off cuts.

For more information on how to paint LCUT creative models visit our website and the page titled “Painting guides”.

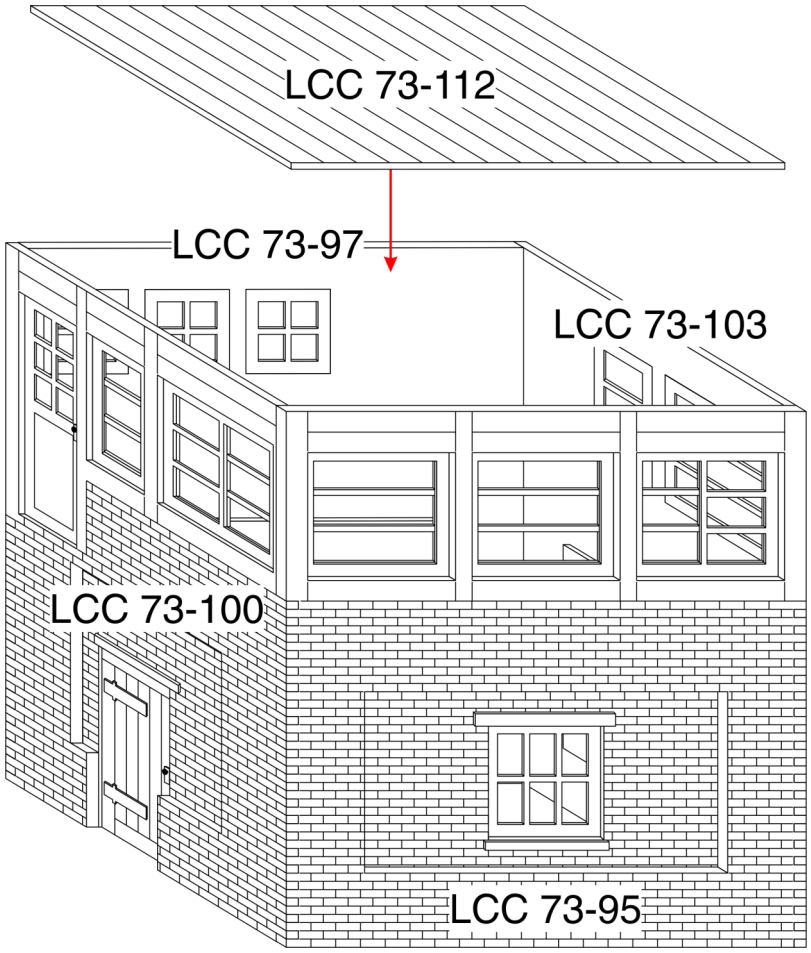
WINDOWS, DOORS, AND WALLS






It is recommended to glue the windows and doors into their openings after panting the walls. This will result in crisper lines between the colours. Diagrams in this manual show the windows and doors glued in from start to illustrate their position better. Start the assembly by gluing the recess backs into their respective parts indicated by diagrams on this and previous page. Join 2 walls at first and let them dry. Make sure they set at a right angle.

DO NOT PUT EXCESSIVE PRESSURE ON THE PARTS WHEN HOLDING THEM FOR GLUE UP. ESPECIALLY THE PARTS WITH DOORS WILL SNAP EASILY IF TOO MUCH PRESSURE IS USED.




Note the positions of each of the windows. If it is desired to assemble the signal box as per prototype then the 6 pane windows should always have the inner window facing the corner.

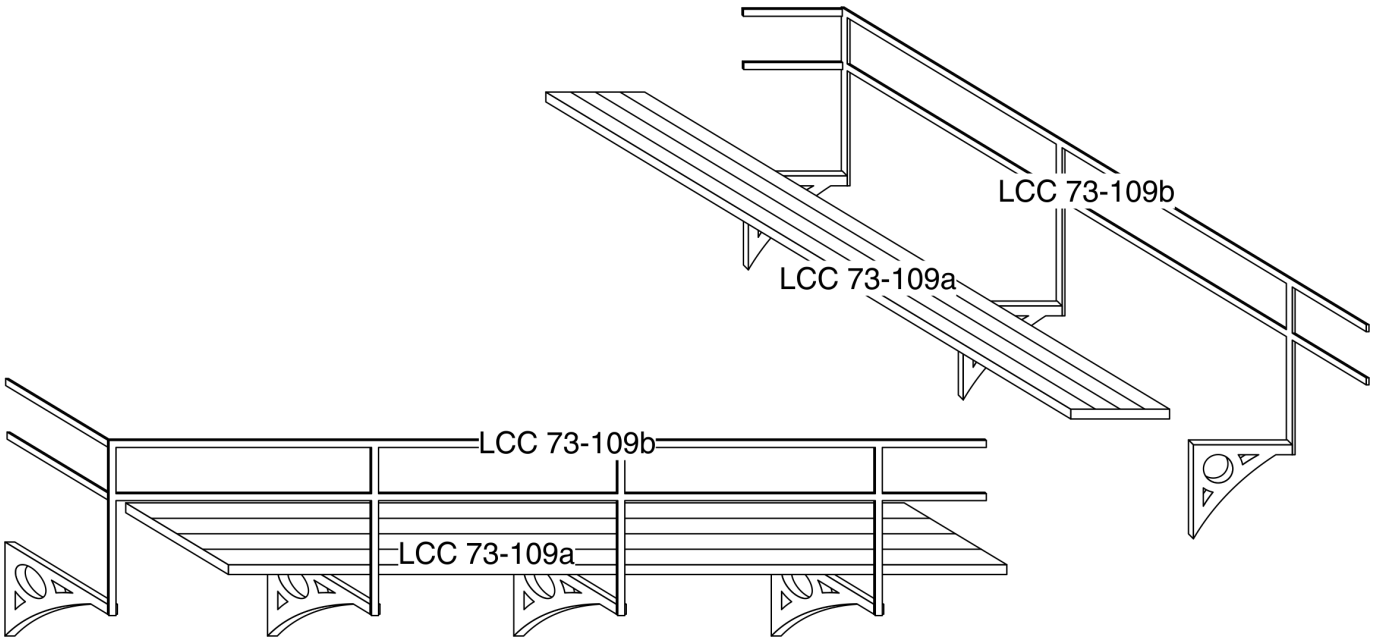
Also the 6 pane window on the front elevations should be on the right side of the signal box.

Use superglue (or other similar adhesive) to glue the door knobs to the doors in a rough position of the marked circles.

All corners should meet neatly with minimal gaps. If the gaps are significant they can be filled in with some wood glue or later on paint. If parts do not line up well please get in touch with us.

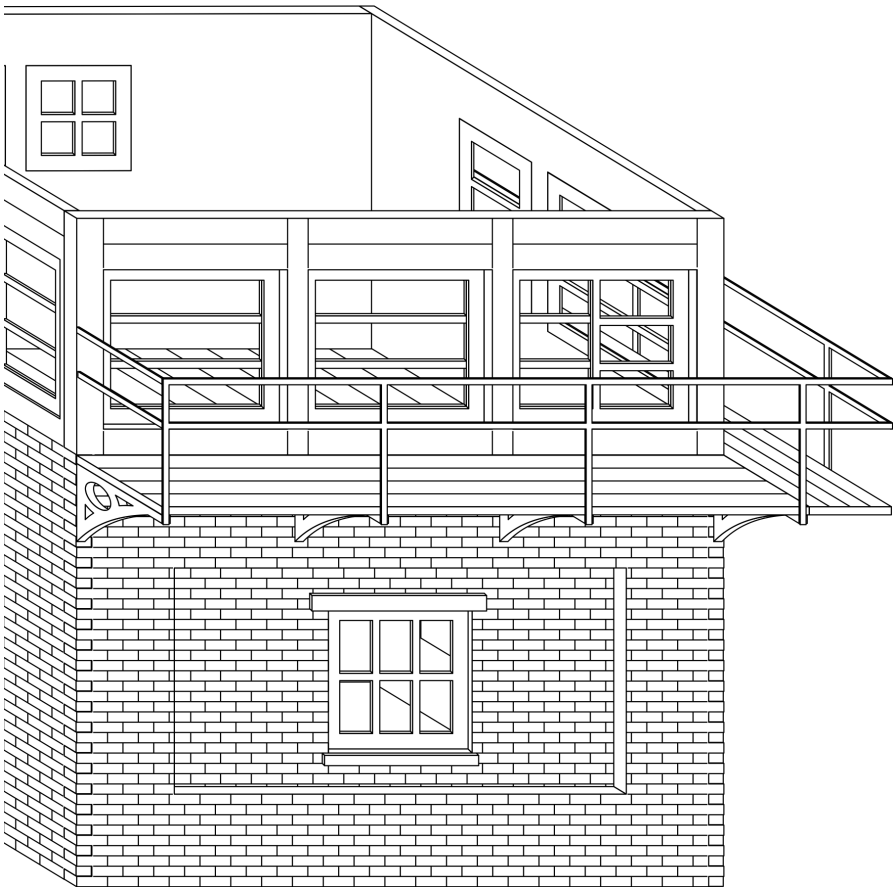
If interior is being fitted it is advisable to leave the floor out of the signal box and assemble the interior on the floor and then install it.

BALCONY




The balcony railings are fragile and should be handled with care. They are made with ply-wood as opposed to the usual wood fibre board making them stronger but they still should be handled carefully.

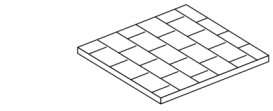
Start by marking the positions of balcony supports using the railings. Each of the verticals should be resting on a support bracket. Make sure to position the brackets so that the protruding parts faces away from the wall (so that the railing can rest on it). A little bit of extra length was left on the parts where railing meets on a corner. After assembling one side offer the second one to the first part and check how much needs to be removed.



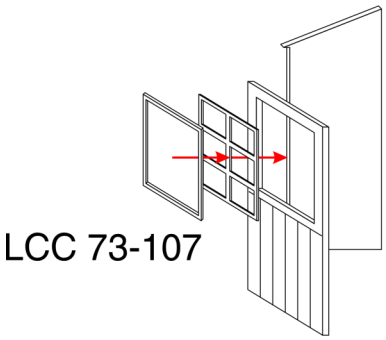
Take your time with this step as it is easy to assemble the railings crooked which will spoil the look of the finished model.

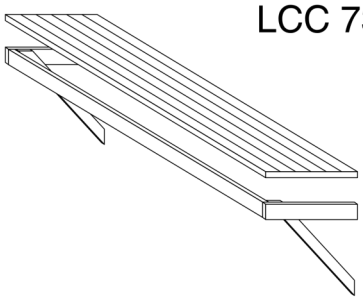
Prototype had very thin and fine railings if that is desired they can be replaced with some brass wire.

LCC 73-108b-L

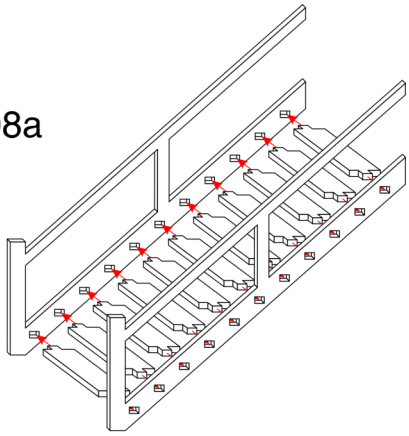


LCC 73-107





LCC 73-108a



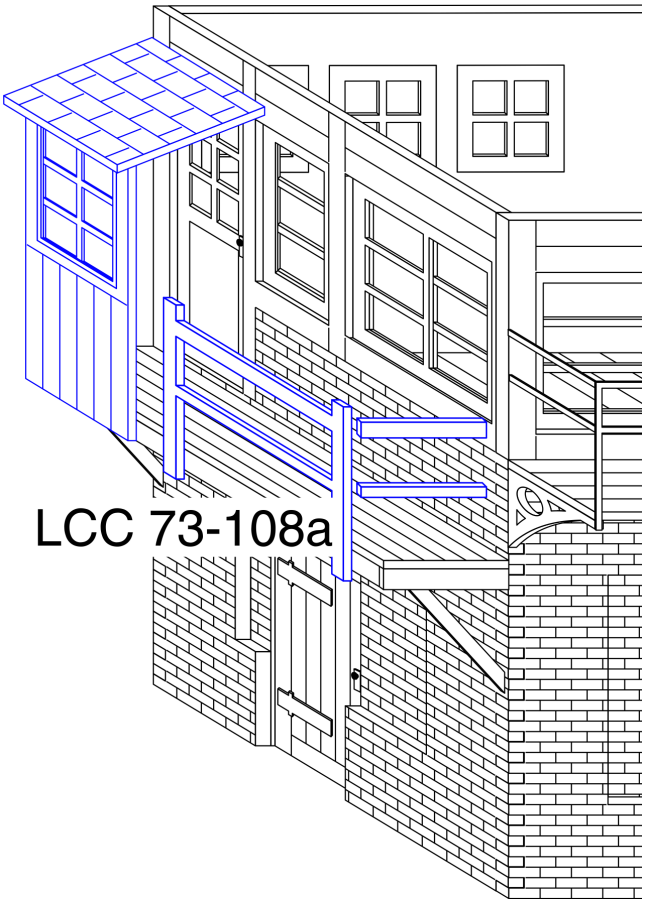
Start by assembling the door balcony. Glue the provided steps to the bottom of the floor panel. The supports for the door balcony should be glued in after the veranda floor was glued to the signal box. Make sure the door balcony is glued 2-3mm below the level of the door. Otherwise the porch roof may not clear the roof. If that happens the porch roof tiles can be shaved a little to make them clear.

The stairs require some patience to assemble. Lay down one of the sides on a flat surface and glue in each of the steps into the cut out holes. Make sure the longer protrusion of the steps is facing towards the signal box wall. If assembled the other way around it will still fit but won't look as neat. Make sure all steps on one of the sides of the staircase are well glued in and then slowly and gently join them to the other side. The holes on each side of the staircase can be filled with some filler if desired.

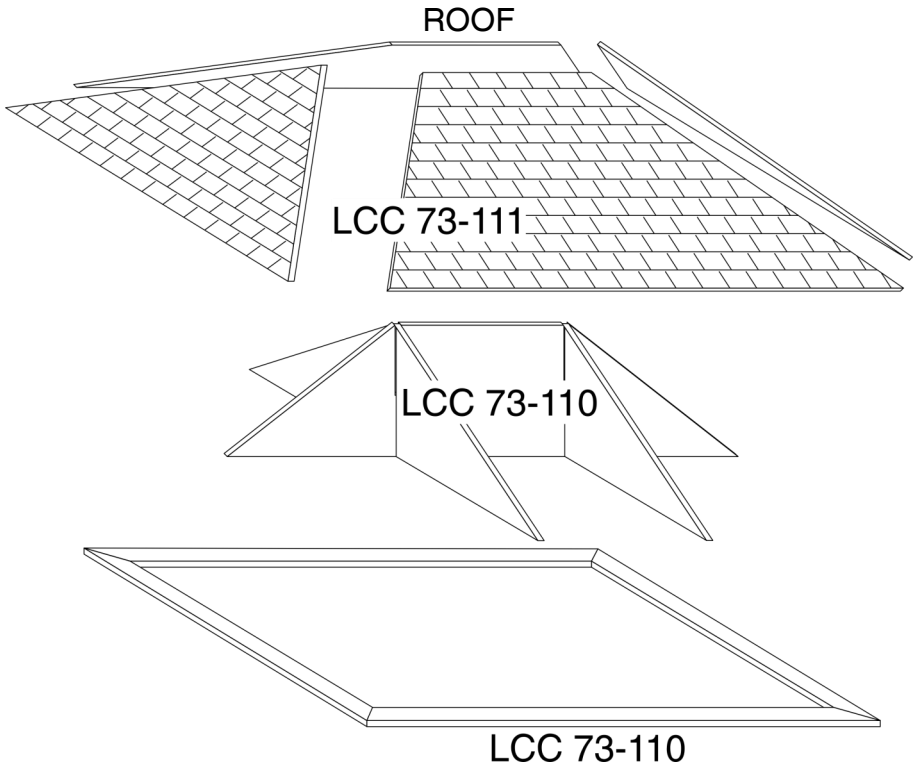
Glue the porch to the door balcony making sure the back of it is flush with the wall. The part with windows should be overlapping the porch floor a little bit. Finally glue the roof panel to the veranda.

To finish the door balcony glue the barrier in the indicated position. Finish with the perpendicular pieces between the barrier and the wall.

Leave the stairs to last to avoid damaging them when assembling the roof.



LCC 73-108a




Start the roof assembly by putting together the roof overhang. Glue the overhang pieces to top of the walls making sure they meet nearly in all corners (above diagram shows the overhang assembled on its own which is inadvisable). Put the roof supports together by sliding the parts from LCC 73-110 together. Make sure they are all at right angles.

Start the roof glue up by gluing the front and back (longer pieces) to the supports first. Make sure they meet neatly at the top and are cantered on the roof supports. Then glue the side pieces first to the supports, then run some glue on the inside seam and hold together until they are glued to the front and back panels. As always make sure the roof comes out as square as possible.

Finish the roof with the LCC 70-09 roof ridge tiles. 2 frets are provided just in case mistakes are made. The ridge tiles need to be cut to fit the various angles of the roof. Score them in the middle, fold along the middle, and then offer to the roof to get the idea where to cut.

LCC 70-09