

Log cabins

Pentagon log cabin models



Recommended tools

- Cordless screwdriver
- Spirit level
- Screw clamp
- Pliers
- Tape measure
- Hammer



Generally two persons are required for the assembly; it is recommended to have a third person assist with larger summer houses.



As a basic principle, only build your summer house on a level surface. Check your foundation prior to assembly!

All models are generally delivered in an unprocessed state (unpainted, without roofing), deviations depend on your order.

Open the package and lay out all the pieces (at the place of assembly) so that you can mount them without great effort piece by piece. This will make assembly easier. Always provide an underlay to protect any pieces even when they are not painted. (Use leftover wood pieces from the packages.)



The house key

You will find the house keys on the side of the door fixed with a screw. Remove them prior to the installation of the door to avoid damages.

IMPORTANT:

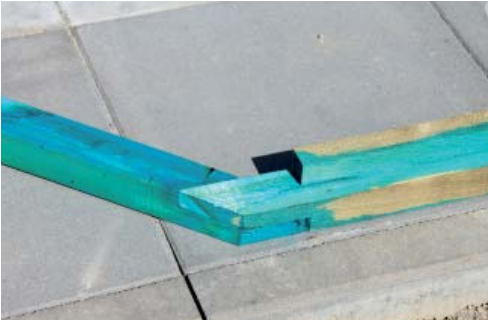
Please have a close look at the drawing prior to assembly because this is the only way to visualise where the individual components need to be placed during assembly. Count the timber rows in the drawing so that you know when you have reached the correct height. The package always contains a couple of spare timbers, roof and floor boards.

(We recommend using a cordless screwdriver for fixing the screws. You should only fix window and door fittings manually with a screwdriver.)



STEP 2

The base frame



Lay out the base frame on your foundation as shown in the drawing. Lay it out so that the door is located at the desired position. Screw the frame together beginning at the corner opposite the door. Make sure the corner is at a right angle. To keep the corner from moving, screw a board (leftover pieces from the package) opposite the corner on the upper edge of the frame.

Make sure the board does not exceed the upper edge. (The timbers will be inserted here later on.) Now fix the two other rectangular corners of the summer house as described above. Screw all corners at right angles to make the door area. Make sure the frame is properly screwed everywhere (2 screws).

STEP 3

Setting up the wall elements



Lay the pictures contained in the drawing at the respective wall sides to us as a reference so you can always check to make sure all plank rows (and windows) are properly placed.



Begin laying out the first plank row on the base frame and make sure it is properly set on the frame. Screw the planks to the frame in the door area. Make sure the plank on the base frame in the door area has the same spacing as at the end of the wall.

Now connect a plank for the front and back, and then a plank for the left and right hand-side, continuing to alternate



in this fashion. To avoid damages to the planks use the provided block of wood to connect the planks firmly. Repeat this step until you have inserted the planks with the window opening. Now mount four more plank rows in the rear part of the summer house to insert the window later on.



Inserting the door and windows.

Take the door and remove the transport securing device at the bottom of the frame by unscrewing it. Set the door into the frame above the plank rows and insert it carefully and without tilting. Insert the four timbers into the door frame on the left and right-hand side of the door.



Also remove the transport securing device before installing the two windows and let them slide into the opening without tilting.

Now complete the walls according to the drawing and always check the number of wood profile rows to be built.



The final rows exceed the door area and have to be firmly connected. *(It may help to use a large screw clamp.)* Screw the corner above the door together from above and below.



STEP 4

The roof overhang



Align the corner above the entrance area using a square. Screw a plank (*leftover wood piece from the package*) on the upper layer across the corner so that it cannot move anymore. This plank will be removed after inserting and attaching the ceiling boarding. Now slide the pre-cut planks into the provided guide rails of the corner. They should be firmly and evenly connected. After all timbers are inserted, screw them from above straight through the guide rails. (Every third plank is sufficient). After screwing them together you can remove the plank for fixing the square.

Attach the interior door panel by screwing it to the door frame. Adjust it to the correct length beforehand.

After cutting it to the correct length, the exterior door panel will be mounted in front of the door at the bottom of the ceiling boarding through the rails of the fascia.

STEP 5

The roof construction



Attaching the roof frame.

Lay the four pre-assembled roof frame timbers on the wall timbers and align them so that they are flush with the wall. Attach the timbers with screws (through the recess for the rafters) to the wall timbers. Attach them in every recess.

The roof framework.

Lay the four rafters on the four sides of the summer house beginning in the centre. Screw the roof top to one of the four rafters so that the upper sides of the rafter and the top are flush. One person stands on a ladder in the centre of the summer house to take the rafters which are handed over from the outside. Insert the rafter with the attached top first into the exterior wall (middle recess of the wall). Now place the other three rafters in the respective positions (see drawing). Make sure the rafters are correctly inserted into the recesses of the wall. Screw the three rafters properly to the top. Then insert the corner rafters into the walls and attach them at the top of the ridge. The rafters need to be flush at the top with the surface of the ridge. Now insert the small



rafters into the respective recesses (wall/rafters) and screw them together. Make sure all rafters are properly connected with each other. Screw all rafters together and to the wall elements.



The roof boarding is already pre-cut for all roof sides and marked with numbers/letters. You can also find them in the drawing.



Take the longest roof board of each roof side and attach it (like a wreath) to the lowest point of the roof (roof beams). Nail the first boards to each rafter, once in the lower and upper part of the board. Make sure to observe the roof overhang of the boards all around as shown in the drawing. After you have attached the first row of roof boarding all around, complete each side until you reach the top. Make sure the roof boards do not exceed the edges of the rafters and are in alignment with the top.



After you have assembled all four sides, attach the roof felt to the roof area to protect the summer house. (*Roof felt not include in the package; available as accessory at your specialist supplier.*) **We recommend using shingles as an additional roofing layer.** You can order them as accessory.



Roll out the roof felt from one side to the other beginning at the lower part of the roof and let 30 cm overlap at the adjoining roof area on the left and right-hand side of the roof area. Now cut off the roof felt with a sharp cutter and fix it to the roof boarding with roofing nails or staples.



Make sure the felt lies even on the roof boarding and is properly fixed.



Now lay the next sheet of roof felt above this sheet. Also allow an excess on the left and right-hand side so that now there is approx. 30 cm of overlap over the lower sheet. Attach the felt. Repeat this step in this fashion for the remaining roof areas.



As the last step, lay a square piece of roof felt centred over the top and attach it.

Attach the pre-cut fascia boards all around with screws to the tops of the rafters. Make sure they are flush at the corners (*dimensions in the drawing*).



STEP 6

The floor



Begin laying the foundation beams. Lay them as shown and dimensioned in the drawing into the floor and attach the foundation beams with screws to the frame. The deck boards are already cut to the correct length of the model and need to be cut only in the door area at an angle of 45 degrees. The floor boards are inserted and fixed with the groove towards the wall. Nail the first floor board to the foundation beams underneath, once at the groove side from above (approx. 1 cm from the wall) and once at the front where the tongue is. Make sure the spacing from the floor board to the wall is approx. 5 mm. It is essential to observe the spacing. Insert the next floor board and press it firmly against the already laid and attached board. Nail them to the foundation beams

at the groove side. **Caution: Do not damage the groove when driving in the nail (Use a hammering aid).** Lay and attach all floor boards, one after the other, as described above. The final floor board needs to be cut to size in most cases. Make sure to observe the spacing to the wall of approx. 5 mm.



Now attach the provided baseboards to the wall. You need to cut the baseboards to the correct length and saw the corners with a mitre saw.

Please note:

These assembly instructions provide support for proper assembly.

The order of the described steps is not necessarily binding.

Nevertheless, if you should experience any problems with the assembly of your summer house, please ask your specialist supplier for help. He will gladly assist you. Bertsch Holzbau rejects any warranty for damages resulting from incorrect assembly or gross negligent actions.

Always read the attached drawing and these assembly instructions before commencing the assembly.

Ensure in advance that no damages have occurred.

Thank you for choosing a Bertsch Holzbau product and we hope you enjoy your new summer house.

You can find assembly videos on our website
www.bertsch-holzbau.de

