

# Installation manual

## Log cabin MARYLAND

Width 350 x Depth 350 cm

Log thickness 28 mm



The producer shall have the right to make technical changes to the product • Technische Änderungen vorbehalten • Le producteur réserve le droit d'effectuer des modifications techniques au produit • Il produttore mantiene il diritto di apportare modifiche tecniche al prodotto • Reservado el derecho a modificaciones técnicas • Produsent forbeholder seg retten til å endre tekniske egenskaper ved produktet • Alle rechten en technische wijzigingen voorbehouden • Výrobce si vyhrazuje právo na technické změny výrobku • Valmistaja pidättää oikeuden tehdä tuotteeseen teknisiä muutoksia • Tillverkaren har rätt att utföra tekniska förändringar för produkten

# 1 General information



**Dear client,**

We are glad that you have decided in favour of our garden house!

**Please read the assembly manual carefully before proceeding with the house installation!** You will thus avoid problems and will not waste time.

## **Recommendations:**

- Keep the house package until its complete assembly in a dry place, but not in direct contact with the ground, protected from weather conditions (moisture, the sun, etc.). Do not keep the house package in a heated room!
- When selecting the garden house location, make sure that the house will not be subjected to extreme weather conditions (areas of strong snowfall or winds); otherwise you should attach the house (for instance, with anchors) to the subsoil.



## **Warranty**

Your house is made from high quality fir and delivered in the natural (unprocessed) form. If, despite our thorough inspection, you should have complaints, please submit the filled out control sheet and purchase invoice to the product seller.

**ATTENTION: Please be sure to keep the documentation accompanying the house package! The control sheet includes the control number of the house. We can only review complaints if you submit the control number of the house to the seller!**

The warranty does not cover:

- Peculiarities of wood as a natural material
- Wooden details already painted (processed with a wood preservative)
- Wooden details containing whole branches that do not endanger the stability of the house
- Colour tone variations caused by wood structure differences that do not influence wood lifetime
- Wooden details containing (caused by drying) small cracks/gaps that do not pass through and do not influence the structure of the house
- Twisted wooden details if they can nevertheless be installed
- Roof and floor boards that may have on their concealed surfaces some non-planed areas, colour differences and waning
- Complaints resulting from an incompetent manner of the installation of the house or the house subsiding due to an incompetently made foundation
- Complaints caused by introducing self-initiative changes to the house, such as the deformation of wooden details and doors/windows due to an incompetent manner of wood processing; the attachment of storm braces too rigidly, doorframes being screwed onto wall logs, etc.

**The complaints covered by the warranty are satisfied to the extent of replacing the deficient/faulty material. All other demands will be excluded!**



## Garden house painting and maintenance

Wood is a natural material, growing and adapting depending on weather conditions. Large and small cracks, colour tone differences and changes, as well as a changing structure of wood are not errors, but a result of wood growing and a peculiarity of wood as a natural material.

Unprocessed wood (except for foundation joists) becomes greyish after having been left untouched for a while, and can be turn blue and become mouldy. To protect the wooden details of your garden house, you must immediately process them with a wood preservative.

We recommend that you cover the floor boards in advance with a colourless wood impregnation agent, especially the bottom sides of the boards, to which you will no longer have access when the house is assembled. Only this will prevent moisture penetration.

We definitely recommend that you also process the doors and windows with a wood impregnation agent, and do that namely both inside and outside! Otherwise the doors and windows can become twisted.

After the house assembly is completed, we recommend for the conclusive finishing a weather protection paint that will protect wood from moisture and UV radiation.

When painting, use high quality tools and paints, follow the paint application manual and manufacturer's safety and usage instructions. Never paint a surface in strong sunlight or rainy weather. Consult a specialist regarding paints suitable for unprocessed softwood and follow the paint manufacturer's instructions.

Having been properly painted, your garden house's lifetime will increase substantially. We recommend that you inspect the house thoroughly once every six months.

## 2 Preparation for assembly

### Tools and preparation of components

To assemble the garden house, you will need the following tools:



assembly aid



ladder



hammer



water-level



screwdriver



saw



knife



measuring tape



pliers



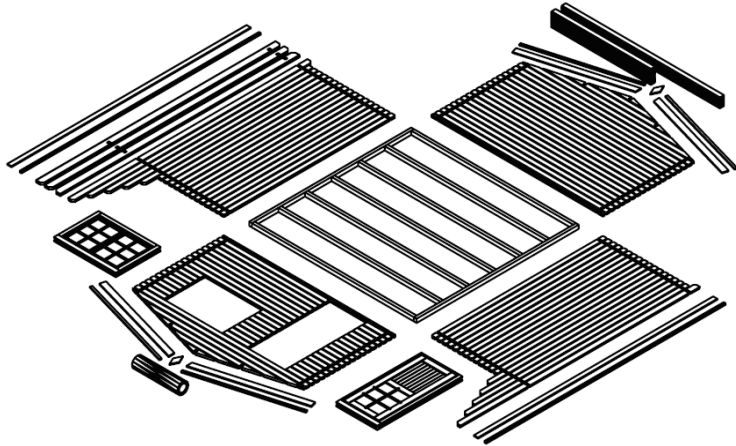
drill

**ADVICE:** To avoid splinters, we recommend that you wear the corresponding protective gloves during the assembly process.

### Preparation of components:

Sort the components based on the wall plans (see Technical specifications) and place them at the four sides of the house in the installation sequence.

**ATTENTION:** Never place the components directly on grass or a muddy surface because it will be very difficult or even impossible to clean them up later!



## **Foundation**

A good foundation is the most important aspect guaranteeing the duration and safety of your house. Only a completely level, rectangular and bearing foundation will ensure problem-free installation of the house, its stability and especially the matching of the doors. With a good foundation, your house will stand for many years more.

Prepare the foundation so that its upper edge extends from the ground to a height of at least 5 cm. At the same time make sure that there are sufficient air apertures under the house floor for ventilation.

We recommend the following foundation options:

- Strip or spot foundation
- Foundation from concrete or pavement slabs
- Cast concrete bed

Prepare the foundation so that the foundation joists are propped up on every side with intervals not exceeding 50-60 cm.

Consult an expert in this field or have the foundation prepared by specialists.

## **3 Garden house assembly**

### **ATTENTION:**

- You will find included in the house package one spare log (longest wall log).
- You will find included in the house package one spare board (longest roof or floor board).
- The house package also includes 2-3 marked hitting blocks (wall profile approximately 20-30 cm long).

All of the details listed above ARE NOT mentioned in the specification list.

- The drawings have the details marked with three-digit position numbers. The exact positions of those details that have the third digit "x" can be found in the specification list.

## Base frame (Foundation joists)

The base frame of the house must be completely flat and level to ensure that the installation proceeds without problems.

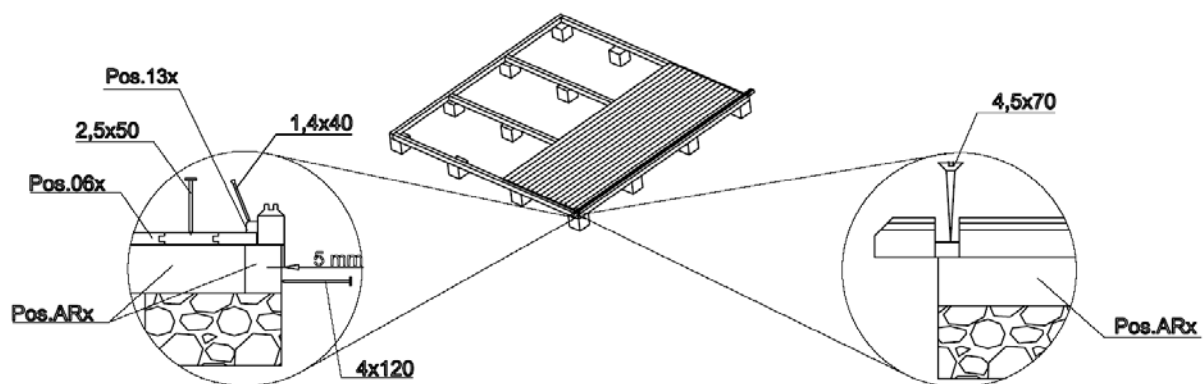
**ATTENTION:** different house can have different foundation placements – see the appended base frame drawing (in Technical specifications)!

Place the impregnated foundation joists on the prepared foundation in accordance with the drawing at equal intervals. Make sure that the joists are level and rectangular prior to screwing them together.

**ADVICE:** It is recommended to place between the foundation joists and foundation a damp-proof course that will protect the house from moisture and decay.

**ADVICE:** To ensure protection from wind and storm, it is recommended to attach the foundation joists to the foundation (for this, you can use for instance metal angles, anchors, etc.). The corresponding materials are not included in the supplied kit!

Installation of foundation joists:



## Walls

When installing the walls, it is important to remember that:

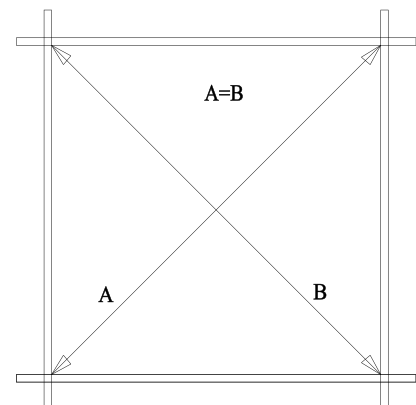
- The logs are always assembled with their tongue upwards!
- If necessary, use the hitting block and hammer! Never directly hit the tongue with the hammer!

Install the walls in accordance with the appended wall plans (see Technical specifications).

First of all place half logs of front and back wall at the correct location and attach them with screws to the foundation joists. Then install the side wall logs. Make sure that the first layer of logs extends a bit over the foundation joists: the logs must extend over the joists by some 3-5 mm. You will thus protect the house from moisture, allowing the free flow of rainwater into the ground.

**ATTENTION:** After the first layer of logs, measure the diagonal lengths and, if necessary, re-install the logs. Only if the diagonal lengths are completely equal is the base frame rectangular and you can mutually attach the logs.

The first layer of logs:



Continue the installation of the walls by strongly forcing the wall logs into one another. If necessary, use the hitting block and hammer.

## Roof

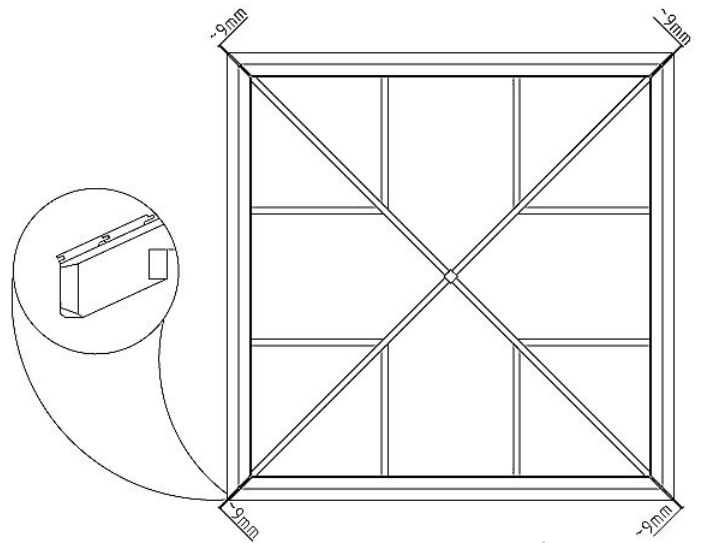
Before installing the roof, make sure that the house is completely level. Use the water-level to check all walls.

**ATTENTION:** When placing the roof, use a stable ladder. Do not step on the roof as the structure is suitable to sustain only an even load (snow, wind, etc.), and not a point load!

Install the purlins (pos. 165) on the walls so that the notches will cover the corners of the walls. Fixate the purlins to the central fixing block (Pos. 160) and on the walls. Now place the pos. 161 and 162 from the top to the purlin and from the bottom to the upper wall log. Fixate the U-Profile boards between the purlins and on the walls.

Start placing the roof boards with the longest board from the bottom. Put the groove side downwards that the bottom side of the board will meet the ends of the rafters. It is recommended to place the roof boards in turns on the all sides of the roof. 3-5 roof boards in one turn. Fixate the roof boards on the rafters with 2,5x50 mm nails.

After you have installed the roof boards, cover it with roof covering material (not included in house kit). It is necessary to avoid the bulging of the roof boards due to wetness.



## Floor

Only when the house is built completely you can install the floor boards, thus avoiding unnecessary smudging on the floor.

Place the floor boards on the base frame, tap them lightly against one another and then nail them with force to the foundation joists. If necessary, cut the last floor board to the suitable width.

The final operation is the fitting of the floor beadings to cover the spaces between the floor boards and walls. If necessary, cut the floor beadings to the suitable length.

**ATTENTION:** Depending on the climate at the house location, the floor boards can either swell or diminish. If the floor boards are very dry while the climate is damp, they will easily absorb moisture. In this case, the floor boards should not be attached very densely to avoid likely bulging. Leave some space (1-2 mm) between the floor boards to allow for swelling. But if your climate is warm and dry, you can install the boards densely because they will become drier and spaces may appear between them.

## Storm braces (NB! Not included in some house option kits!)

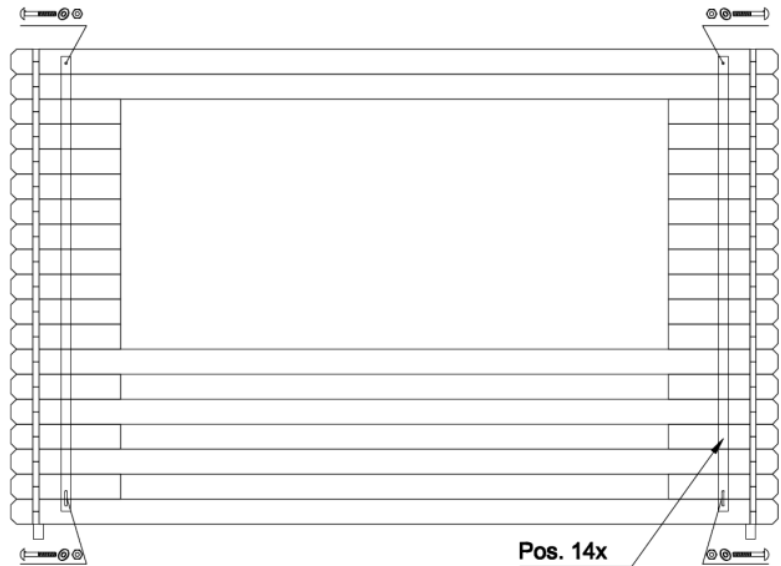
Attach the storm braces (if included in the supplied kit) to the inner sides of the front (2 units) and back (2 units) walls with the supplied bolts. It is important for the logs to be drilled through in advance. Please keep the distances indicated in the drawing so that no problems occur due to wood swelling or diminishing.

**ADVICE:** Make sure that the storm braces are attached to the upper log from above and to the middle of the first full-length wall log from below. If necessary, shorten the upper ends of the slats.

Do not turn the screws tightly so wood can further swell or diminish.

With the house having settled, you should adjust the attachments so the wall logs can settle.

### Installation of storm braces:



### General advice:

**Problem:** *Gaps appear between the wall logs*

**Cause:** Additional details are attached to the house that do not allow wood to swell/diminish.












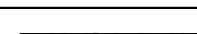




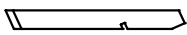
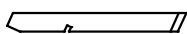
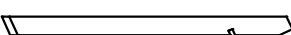
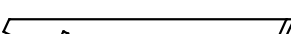
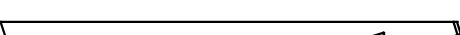
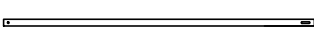



**Solutions:** If the storm brace is screwed on too tightly, loosen its attachment;  
If (rain water) pipes are installed on the wall, loosen their attachments;



**We wish you total success with the garden house installation and much joy with this house for many years to come!**

Pos	SPECIFICATION-STÜCKLISTE-NOMENCLATURE-ELEMENTI-ESPECIFICACIÓN -PAQ28-3535-1-	Pcs	Profile (mm)	Length (mm)
001		1	28x57	3500
002		24	28x114	3500
003		2	28x57	3500
004		1	28x57	228
005		18	28x114	228
006		2	28x57	1250
007		6	28x114	1250
008		63	28x114	500
009		6	28x114	200
010		2	28x114	1250
011		4	28x114	3500
012		13	28x114	2200
013		1	28x114	3500
014		1	28x114	3500
015		1	28x114	3500
016		1	28x114	3500
AR2	Foundation- Fundament- Fondation- Fondazione- Vigas de cimentación 	2	45x70	3295
AR1	Foundation- Fundament- Fondation- Fondazione- Vigas de cimentación 	7	45x70	3205
060	Terrace board- Terrassenbrett- Madrier de terrace- Tavola terrazzo- Tabla de terraza 	33	95x19	3239
071	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	3992
072	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	3784
073	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	3577
074	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	3370
075	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	3163
076	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado 2x48°	4	114x19	2956
	Object name -PAQ28-3535-1-	Page 1/3		



Pos	SPECIFICATION-STÜCKLISTE-NOMENCLATURE-ELEMENTI-ESPECIFICACIÓN -PAQ28-3535-1-		Pcs	Profile (mm)	Length (mm)	
077	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	2748
078	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	2541
079	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	2334
0710	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	2127
0711	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	1920
0712	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	1713
0713	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	1505
0714	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	1298
0715	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	1091
0716	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	884
0717	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	677
0718	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	470
0719	Roof board- Dachbrett- Madrier du toit- Tavola tetto- Tabla de tejado		2x48°	4	114x19	262
090	Eave edging- Dachrandbrett- Madrier en bordure du toit- Tavola bordo tetto- Tabla de valadizo			4	19x120	4040
130	Floor beading- Fussbodenleiste- Baguette du plancher- Listello pavimento- Listón de suelo			4	19x19	3225
160	Post- Pfosten- Poteau- Montante- Poste 70x70			1	70x70	200
161	Rafter- Sparre- Chevron- Trave- Cabrio			4	44x120	1153
162	Rafter- Sparre- Chevron- Trave- Cabrio			4	44x120	1153
163	Rafter- Sparre- Chevron- Trave- Cabrio			4	44x120	1870
164	Rafter- Sparre- Chevron- Trave- Cabrio			4	44x120	1870
165	Rafter- Sparre- Chevron- Trave- Cabrio			4	44x120	2963
140	Storm brace- Sturmleiste- Protection contre le vent- Antivento- Protector contra tormentas			4	25x45	2100
166	U-profile board- U-Profilleiste- Baguette profilée en U- Listello profilo ad U- Listón de perfil U			2	25x55	775
167	U-profile board- U-Profilleiste- Baguette profilée en U- Listello profilo ad U- Listón de perfil U			1	25x55	820
168	U-profile board- U-Profilleiste- Baguette profilée en U- Listello profilo ad U- Listón de perfil U			2	25x55	870





