

HART™



Wooden Tree Box

PROJECT PLAN

Finished Dimensions: 26" W x 16" H x 24" D

Skill Level: Intermediate

Materials

Item	Qty
2" x 2" x 6' Board*	1
1" x 6" x 8' Board*	2
1" x 2" x 6' Board*	2
1" x 3" x 6' Board*	2
2' x 2' x 3/4" Plywood Sheet	1
#8 x 1-1/2" Star Drive Finishing Screws	1 box
Wood Putty	
Spackle Knife	
Sandpaper	
Paint or Stain (optional)	1 qt.

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw

or



20V Circular Saw



20V Drill/Driver



20V Jigsaw



Work Table & Clamps



20V 4.0Ah Battery



20V Charger



3/32" Drill Bit



T20 Drill Bit



Safety Glasses

Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board*	Description	Cut to	Qty
2" x 2" x 6' Board	Legs	15"	2
1" x 6" x 8' Board	Planks	22"	8
2' x 2' x 3/4" Plywood Sheet	Plywood Sheet	23-1/2" x 23-1/2"	1
1" x 3" x 6' Board	Trim	26" 45° beveled ends	4

* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Assembly Instructions

Step 1

Clamp your 2" x 2" x 6' boards to your work table or station and cut (4) 2" x 2" x 15" with your saw for the legs.

Step 2

Next, clamp down your 1" x 6" x 6' boards and use your saw to cut (8) 1" x 6" x 22" planks.

Step 3

Attach the (4) legs to the side panels by fastening the planks to the legs with your drill and trim screws.

Be sure to drill a pilot hole before fastening your screws.

Step 4

Next, cut the plywood sheet into a 23-1/2" x 23-1/2" square. Use your jigsaw notch out the corners so it so the square board fits around the legs when you place it inside the box.

Step 5

Place your square piece of plywood into the box. Fasten it to the inside of the box with your trim screws and drill.

Step 6

Using your saw, cut down your 1" x 3" board into 26" pieces with 45° beveled ends (the 26" length will be the long edge of the 45° miter).

These will be your trim pieces.

Step 7

Attach your cut trim pieces to the top of the box, with the widest edge down.

Step 8

Fill all holes with wood putty, let dry, and use sandpaper to smooth down all surfaces.

Step 9

Paint or stain the box in the color of your choice or leave the wood raw.

For a modern Scandinavian look, dry brush a thin white coat of paint all over the surfaces.

Step 10

Once the paint is dry, your wooden box is ready for your tree!