Small Pine Box (nominal size 4h x 6w x 10l inches)

Overview

Tools - Table Saw , Router table , palm sander ,drill press , scroll saw (optional) , chisel

Techniques - Butt joint , Rabbet (bottom) , Dado (sliding top), scroll saw relief cut (optional) ,Counter sink screw holes.

Bill of Materials
1 x 10 - 16 inches
3 mm baltic birch - 4 x 10 inches for bottom
6mm baltic birch. - 4 x 10.5 inches for top

Cut list
1 - 10 inches 1 x 10 pine ripped in half to 4 3/8 width (front and back)
1 - 4.5 inches 1 x 10 pine ripped in half to 4 3/8 width (2 sides)
3 mm baltic birch , cut to size (approx 4 x 10 inches) for bottom
6 mm baltic birch (cut to size (approx 4 X 10.5 inches) for top

Instructions
1**.**Cut front/back/sides/ top as per cutting list dimensions **Note** optional scroll saw relief cut on front
2.Countersink two holes at each end of front/back
3.Router rabbet to support baltic birch bottom on front, back and both sides)
4.Router dado to receive the sliding top Note one side will be cut flush with the dado to allow entry of top then sand the inside surfaces of front/ back/ 2 sides with 120 grit sand paper before assembling.
5. Screw front and back to the sides and then sand outside
6. Install buttons to cover countersunk holes for screws
7.Cut 3mm bottom to size and glue in place
8.Cut 6 mm top to final size . Attach decorative pull to the top to facilitate the top sliding in an out .

Step 1 Cut front/back/sides/ top as per cutting list dimensions **Note** optional scroll saw relief cut on front as shown below. These are all the pieces for the small pine box shown here.

Step 2 Countersink two holes at each end of front/back

Step 3 Router rabbet to support baltic birch bottom on front, back and both sides. On side pieces you router the entire length but not on the front and back as it would then be visible form the outside . See picture below for a front or back.

Step 4 Router dado to receive the top Note one side will be cut flush with the dado to allow entry of top(as per picture below of completed assembly) then sand the inside surfaces of front/back/ 2 sides with 120 grit sand paper before assembling.
Dado on front and back will not be the entire length as it would then be visible from the outside. That means in one direction you stop the cut but in the other direction you drill a 3/8 starting hole for the router bit

Step 5 Screw front and back to the sides and then sand outside surfaces with a palm sander 120 grit.

Step 6. Glue buttons in place to cover countersunk holes for screws

Step 7.Cut 3mm bottom to size and glue or nail in place. You made need to chisel to accommodate the bottom.

Step 8.Cut 6 mm top to final size . Attach decorative pull to the top to facilitate the top sliding in an out .