

WIRELESS STEREO SPEAKER BOX



BUILD

QUESTIONS? Go to www.rockler.com or call 800-279-4441

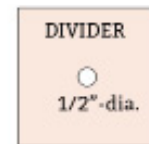
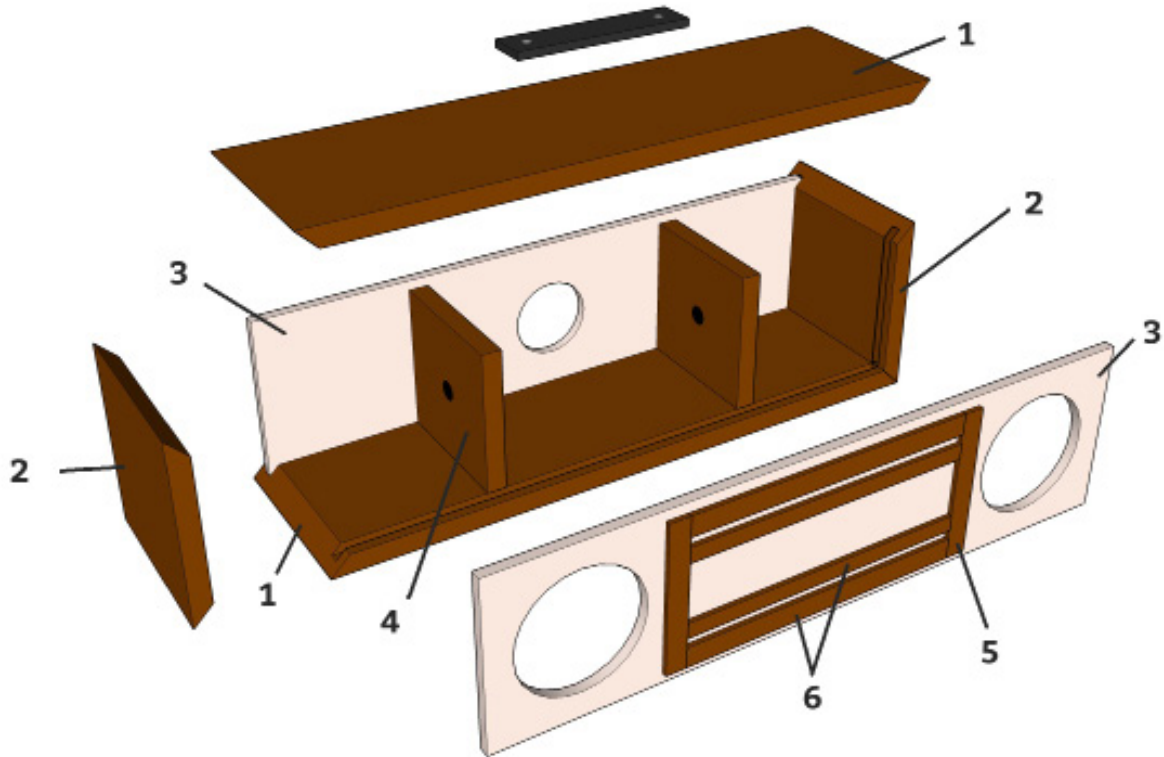
Stock # Item

310221	1/2" x 5" x 48" Walnut
64823	1/8" x 1-1/2" x 24" Walnut
65303	1/4" x 5" x 48" Maple
64948	Faux Leather 5-1/2" Handle Set, Black
64772	Long-Post Chicago Screw Set
50995	Wireless Stereo Speaker Kit

All items subject to changes in availability.

WIRELESS STEREO SPEAKER BOX

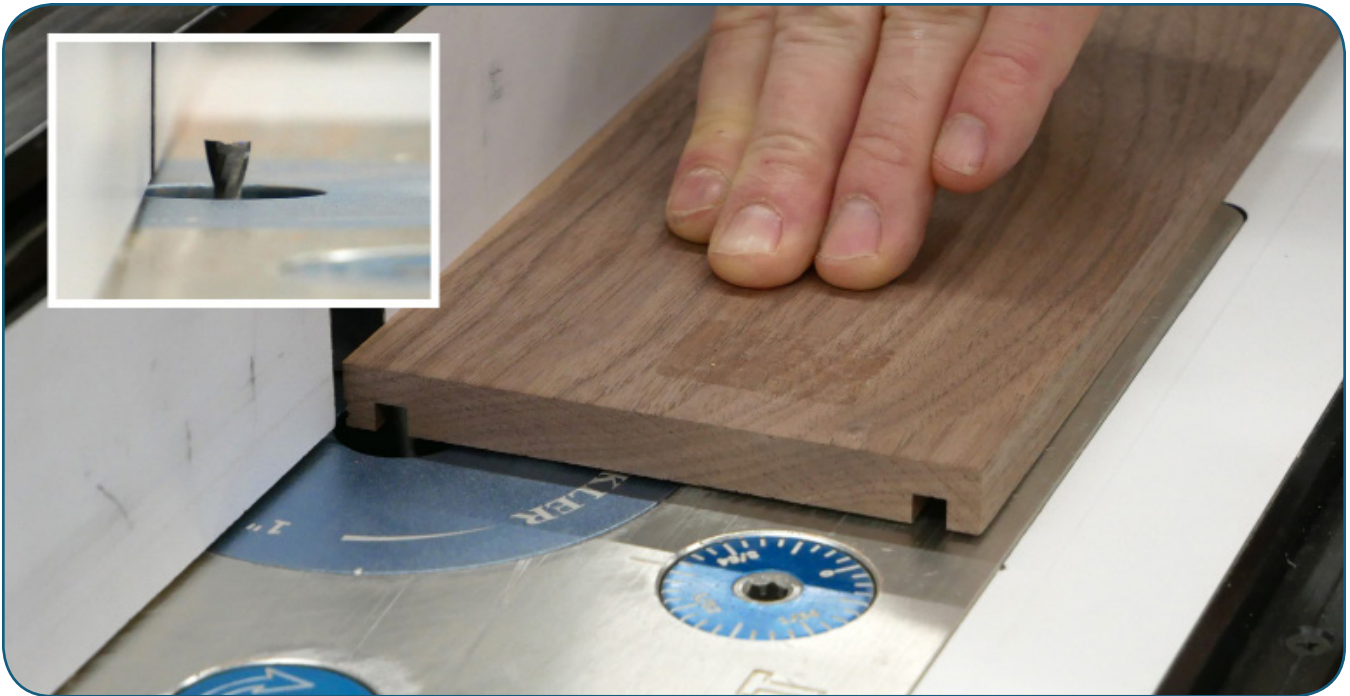
Exploded View



MATERIAL LIST

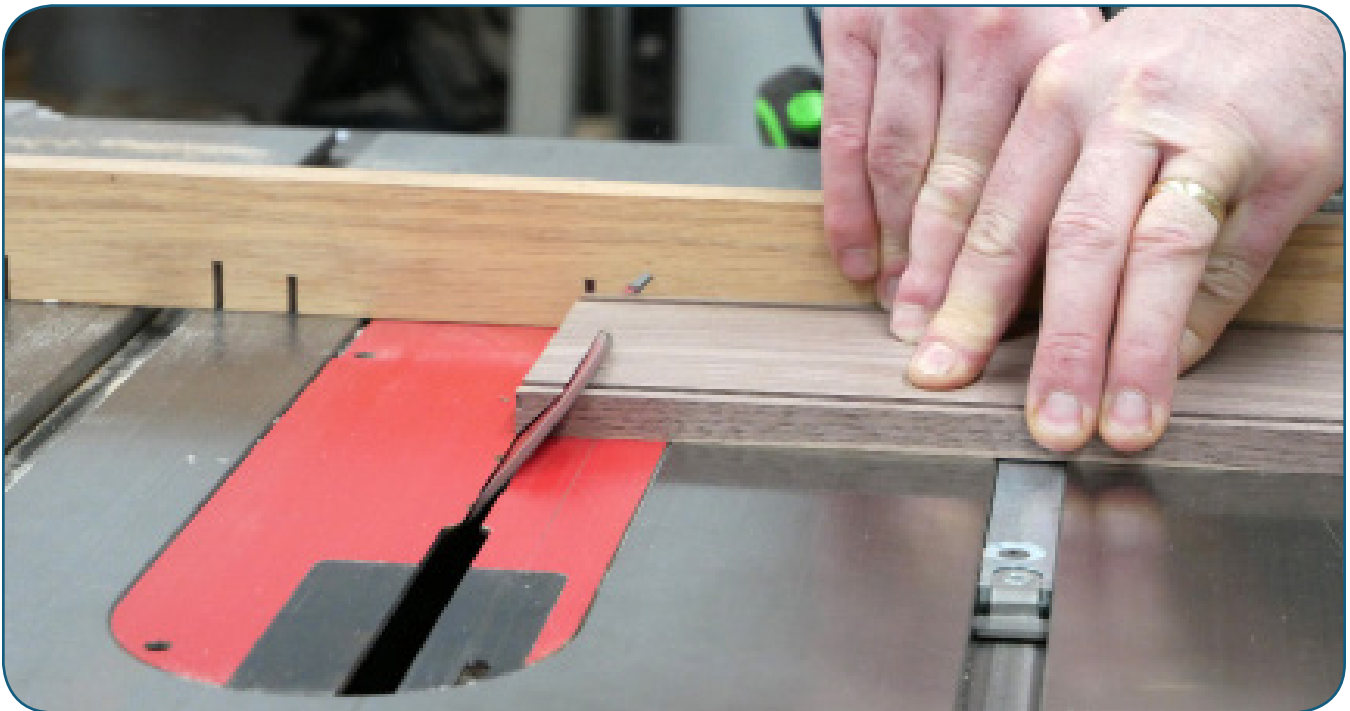
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1 Top and Bottom (2)	1/2 x 4-3/4 x 15-1/2
2 Sides (2)	1/2 x 4-3/4 x 4-3/4
3 Front and Back Panels (2)	1/4 x 4-1/4 x 15
4 Interior Dividers (2)	1/2 x 3-3/4 x 3-3/4
5 Front Vertical Trim Stiles (2)	1/8 x 1/2 x 3-3/4
6 Front Horizontal Trim Rails (4)	1/8 x 1/2 x 6
7 Handle Screw Spacer Blocks (2)	1/2 x 1 x 1

1. ROUT THE FRONT AND BACK GROOVES IN THE SIDES



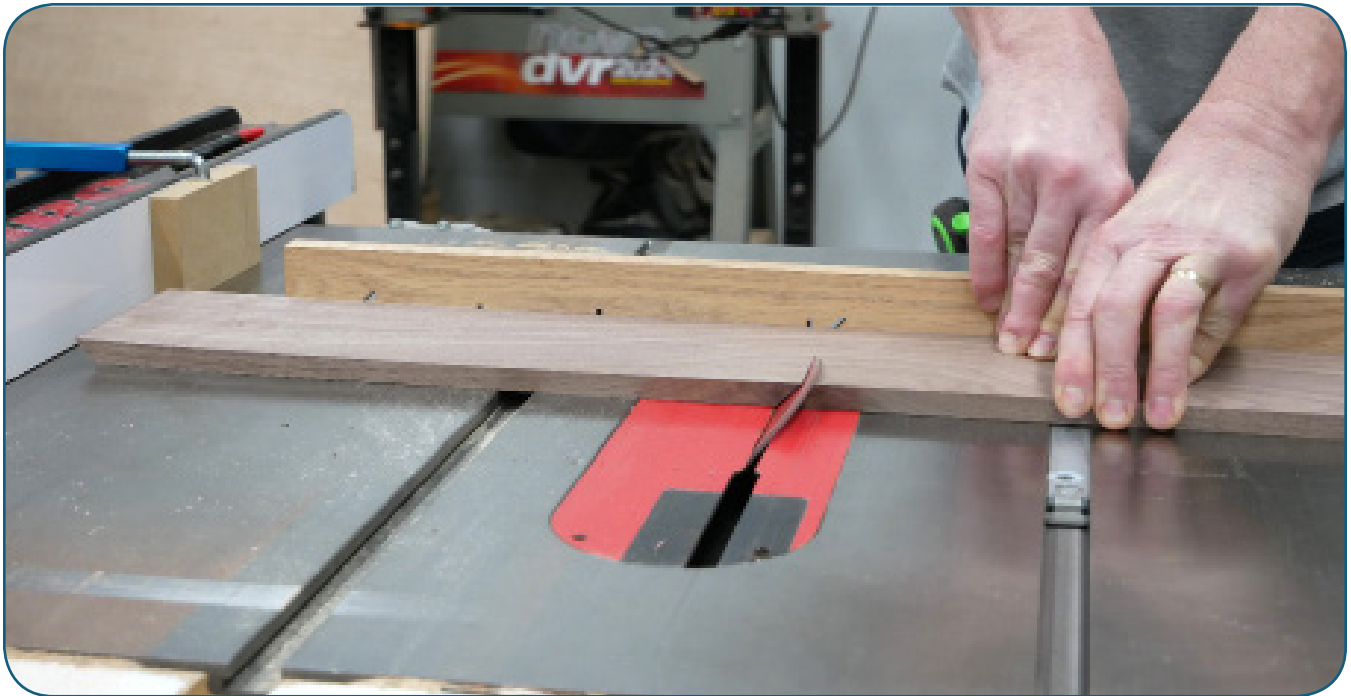
Set up the router table with a 1/4" straight bit. Rout two 1/4"-deep x 1/4"-wide grooves on the inside face of the stock that will be the top, bottom and sides. Locate the grooves a 1/4" from the edges. These grooves will capture the front and back panels.

2. BEVEL CUT THE FIRST END OF THE TOP, BOTTOM AND SIDE PIECES



Attach a sacrificial fence to your table saw miter gauge and set the miter gauge square to the blade. Tilt the table saw blade to 45 degrees on a left-tilting blade saw (as seen in this photo). Place the piece of wood that will make the top, bottom and sides against your miter gauge with the grooves facing up. Cut the end of the piece off to make the first mitered end.

3. BEVEL CUT THE BOTTOM TO LENGTH



Clamp a standoff block to the fence, locating the block in front of the blade. Position the fence to cut a 15-1/2"-long bottom piece. Next, repeat the process to cut one of the sides, then the top, and finally the last side. Cutting the bottom, top and sides in this order will create a continuous grain flow around the box.

4. BEVEL CUT THE SIDE TO LENGTH



Flip the stock with the grooves facing up again and bevel cut the first edge of a side piece. Then reposition the fence to cut the 4-3/4"-long side piece. Reposition again to cut the 15-1/2"-wide top and again to cut the second 4-3/4"-wide side.

5. DRILL THE SPEAKER AND CONTROL POD HOLES



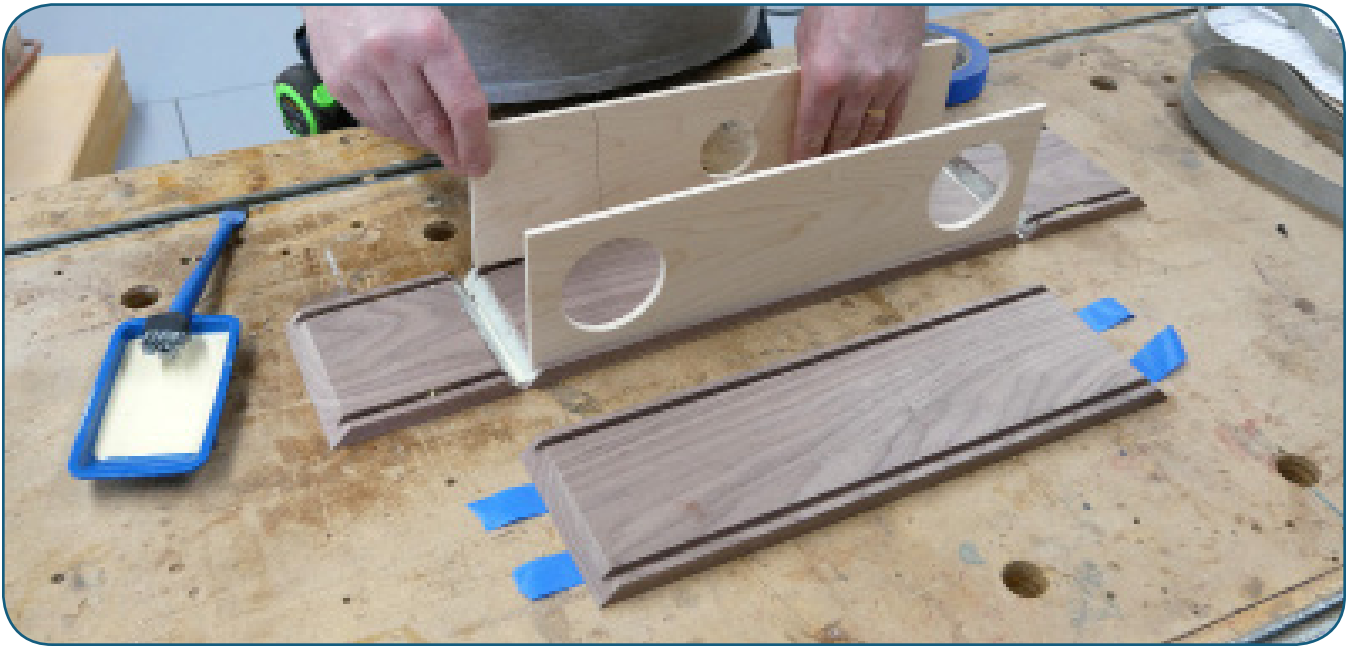
Drill a 1-7/8" hole through the center of the back panel. This hole will hold the speaker control pod. Next, bore two 2-3/4" dia. holes through the front panel. Refer to the plan drawing for the locations of the speaker holes.

6. BORE THE WIRE ACCESS HOLES THROUGH THE DIVIDERS



Drill a 1/2" diameter hole through the center of each interior divider. This hole provides a path for the speaker wires to feed through the divider to connect with the control pod.

7. ASSEMBLE THE SPEAKER BOX



Lay out the bottom and sides on your work surface. Use painter's tape to hold the miter edges tight. Apply glue to the miters and in the bottom of the grooves. Place the front and back faces in the bottom grooves and carefully roll the sides up, fitting the front and back panels in the side grooves.

8. ASSEMBLE THE SPEAKER BOX (CONT.)



Apply glue to the edges of the dividers and position them between the sides. Position each divider 4" from the side panels (inset photo). Spread a thin layer of glue across the top miters and tops of the dividers. Place the top on the box. Use painter's tape to pull the miters together and then clamp the box with band clamps.

9. ATTACH THE FRONT TRIM



Cut the front trim pieces to size. Apply a thin layer of wood glue to the back of each trim piece and attach them to the front face. The outside edge of each vertical trim stile is positioned 3-1/4" from the inside edge of the sides. Use a 1/4"-thick scrap as a spacer between the trim horizontal rails.

10. DRILL THE HANDLE SCREW PILOT HOLES



Drill two 3/16" diameter holes spaced 4-1/2" apart for the handle screws and female posts. The handle (64948) includes a pair of Chicago screws that are a little too short for the 1/2"-thick top. Replace those screws with a set of Long-Post Chicago screws (64772). Cut a 1/2" thick x 1" x 1" piece of stock to act as a spacer for the longer screw size (see inset photo in step 11). Drill a 3/16" dia. hole through the center of the spacers.

11. ATTACH THE HANDLE



Insert the female screw post into the spacer and then feed the spacer and post through the back hole to insert the post up through the hole in the top. Then thread the screw through the handle and into the post.

12. INSTALL THE SPEAKERS



Feed the wires from the Speaker Set (50995) into the speaker opening (photo left) and through the access hole in the divider. Then pull both sets of wires through the hole in the back of the speaker box. Connect the speaker wires to the control pod, matching the colors of the wires to the inputs on the control pod (photo right). After connecting the wires, press the speakers and control pod into the holes in the speaker box.