

MODERN VISION

Build a designer TV unit for just \$160

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For a contemporary look without a designer price, this simple TV unit was constructed from 16mm Wenge pre-finished particleboard.

The dimensions can be modified to suit your TV and entertainment equipment. Have a cabinetmaker or timber specialist cut sheet materials accurately and edge them to the correct dimensions. ▶



ON THE HINGE

Full overlay hinges were used so doors could be set within the carcass. They have three easy methods of adjustment for perfectly fitted doors.



COST

DO IT YOURSELF
1 day **\$160**
HAVE IT DONE
4 hours **\$360**





BUILD THE TV UNIT



1 Marking out
Lay the inner top and base together, with the inside (best) faces together. Measure and mark 250mm and 266mm from both right and left ends, squaring the marks down the front edges (see Diagram 1).



2 Assemble the unit
Attach both divisions by drilling pilot holes then using three equally spaced screws. Ensure the top edges are flush and aligned with the pencil layout marks. Attach inner ends to the top and bottom with 50mm x 8g screws.



3 Attach the outer panels
Set a combination square to 4mm. Drill a 5mm clearance hole through the inner bottom and screw-fix the outer from the inside with 28mm x 8g particleboard screws. Repeat for the outer top, maintaining a 4mm reveal (see Diagram 3).



4 Attach the outer ends
Securely clamp the outer ends in position ensuring the front edge is flush with the edges of the top and bottom. Drill a 5mm clearance hole through the inner end and fasten with 28mm x 8g screws.



5 Fit the back
Screw-fix the back into position with 50mm x 8g particleboard screws. Drill a cable entry hole through the centre of the back using a 50mm hole saw. **TIP** Drill from both sides to avoid chipping the opposite face.



6 Make the hinge holes
Securely clamp the door to the bench with face (best) down. Measure 50mm from top and bottom edges and square across a line. Measure in 23mm and mark intersecting point. Drill a 35mm diameter hole to a depth of 12mm.



7 Fix the hinges
Use a small straightedge or a steel rule to align the full overlay hinges parallel with the edge of the door. Secure the hinges with 16mm x 6g screws.



8 Position mounting plates
The mounting plates are positioned 52mm from the inner top and bottom and 54mm in from the front edge of the inner end (see Diagram 2).



9 Attach the feet
Remove the black plastic cover cap and position the feet on the underside of the cabinet 130mm in from the ends and 30mm from the front and back. Attach with 12mm x 10g pan head screws. Fix the door stops and handles in position.

DIAGRAM 1 CABINET SET-OUT
(all measurements in mm)

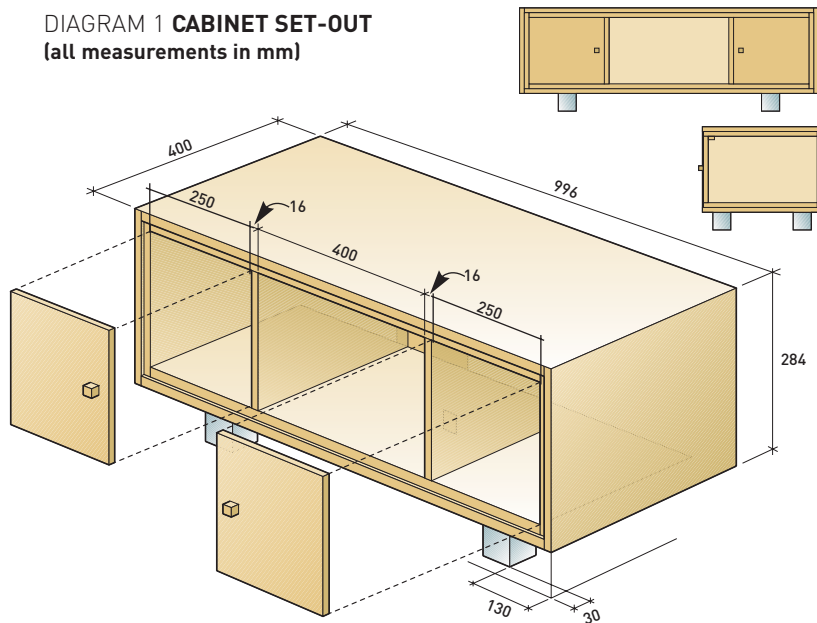


DIAGRAM 3
REVEAL DETAIL

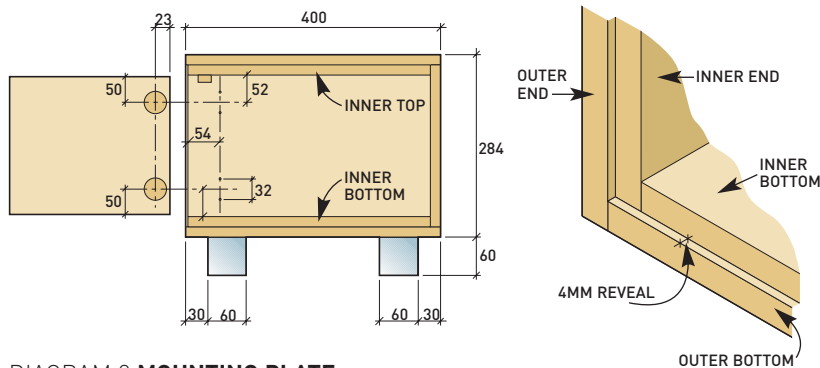


DIAGRAM 2 MOUNTING PLATE

CUTTING LIST (all measurements in mm)

PART	MATERIAL	SIZE	NO.	VENEERED EDGES
INTERNAL				
Top and bottom	16mm Wenge particleboard	932 x 378	2	1 long edge
Ends		252 x 378	2	1 short edge
Divisions		220 x 378	2	2 short edges
Back		964 x 252	1	
EXTERNAL				
Top and bottom	16mm Wenge particleboard	964 x 400	2	1 long edge
Sides		284 x 400	2	1 long, 1 short
Doors		216 x 246	2	4 edges

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