

## STELLA LIGHT

### Exploded drawing



### Cabinet part list for 1 box

Parts	Size(mm)	Quantity
Material	19mm MDF or chipboard	
Front	900 x 120	1
Rear panel	862 x 120	1
Side panels	862 x 242	2
Top/bottom panel	120 x 261	2
Internal cabinet rear panel	82 x 200	1
Internal cabinet bottom panel	82 x 40	1
Brace	82 x 60	1
Additional bottom plate	230 x 330	1900 x 120

### Assembly

Building the cabinet is fairly easy because all the panels are glued together as butt joints. We recommend beginning with the rear wall to which you then attach a side wall, lid and base by gluing them in place. This is followed by the strengthening struts and chamber for the small full-range driver. Not until you have done this can you position the second side wall and glue it in place. All the openings except the one for the full-range driver in the front panel should be cut and routed later. The opening for the full-range driver is a tricky one and requires very accurate cutting. To ensure the diameter is as accurate as possible, it makes sense to buy a hole saw of exactly the right size. Then, apply a bevel to the rear of the full-range driver opening using an angle router with a guide wheel or a simple rasp. To ensure that the driver is seated perfectly flush, the front edge should be slightly bevelled with a file or round router.

Once this is finished, you can glue the front panel to the body of the cabinet and then drill, cut and rout the openings for the woofer, bass reflex tube, terminals and cables (D = 8 mm). The bevels on the front panel are done last using an angle router or rasp. The hole for the cables in the full-range driver cabinet should be sealed later with hot-melt glue or a similar substance.

Stability can be improved by fitting a larger base board (e.g. 19 x 230 x 330 mm (h x b x d)) whose design can be freely varied.

The crossover connection is to be found under the following link:

Mounting guide crossover [STELLA LIGHT](#) (PDF; 674 KB)

### Inner Damping

Distribute the mats of damping material loosely throughout the cabinet. One quarter of a mat is required for damping the mid-range chamber and the rest for the bass area. Ensure the opening of the bass reflex tube is left free.

