

## The Loudspeaker 2 (Semi-Active)

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**Page 1:** Crossover component overview and kit level comparison

**Page 2:** Damping materials and accessories overview

### BASICS

#### Speaker type:

4-way

#### Cabinets:

55 x 49 x 105 cm, WxDxH.

Depth depends on thickness of front panel.

Prototypes use 2 x 20 mm BB laminate.

#### System sensitivity:

95 dB/2.8V/1 meter.

#### Impedance:

8 Ohms, minimum 5 Ohms for MMT section @ 500 Hz.

5 Ohms for bass alone with passive crossover.

Minimum 3.5 Ohms for fully passive/one amp solution.

#### Power requirement:

20+ watts for mid-tweeters section.

200+ watts for bass.

### Level 1 - Crossover component overview:



**Level 1 kit comes with upgraded horn capacitors compared to level 2**



Litz wire wax coils



Air core wire coils



**Horn capacitors:** Amber Z-Caps (Pure copper foil)



**Super tweeter capacitors:** Alumen Z-Caps (Pure aluminum foil)



**Midrange capacitors:** Superior Z-Caps (Super MKP)



Superes wire-wound resistors



### Level 2 - Crossover component overview:

Coils, super tweeter/midrange capacitors and resistors are identical to level 1



**Horn capacitors:** Alumen Z-Caps (Pure aluminum foil)



## Damping materials included:

Grey damping felt



White polyester damping cloth



Combed natural wool stuffing



## Accessories included:

Binding post terminals (4 pairs)



16 AWG PTFE insulated silver infused cables (for internal wiring)



Solder tag strips (28-pin)



Screw-in terminals



CasCo SuperFix glue (for gluing components to boards)



Black anodized woods screws (for driver mounting)

