

- Dedicated for 3.UMA mid-high unit or 3.28 tweeter + 3.90 midrange
- Dedicated for 3.165 woofer
- Alu E-Cap capacitor (midrange)
- Large screw terminal, ventilated case
- High thickness PCB copper
- 4 step tweeter/mid. level adjustment
- In-phase, Out-phase tw./mid. adjustment
- Clean mounting system with inside screws
- Oversize not inductive ceramic resistors
- Asymmetrical cutting slope
- In air tweeter and midrange inductor

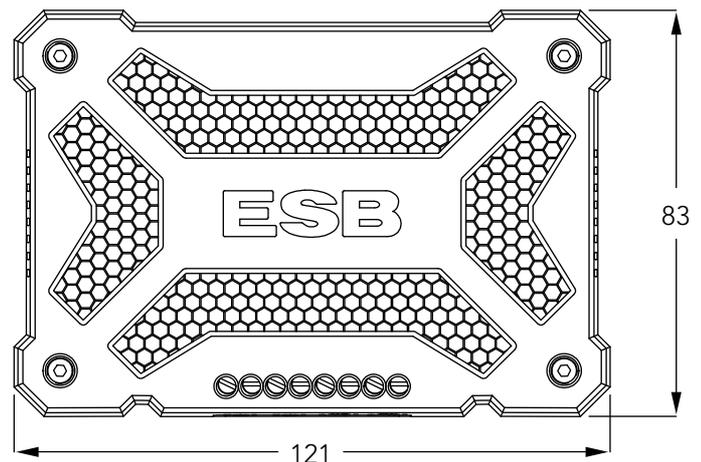
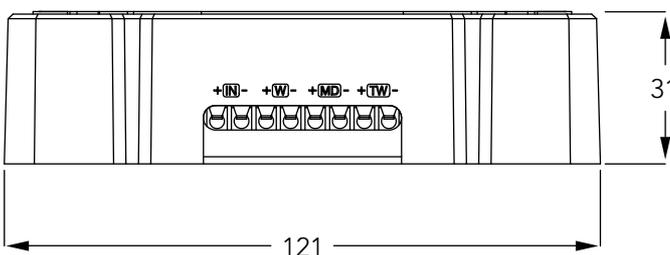
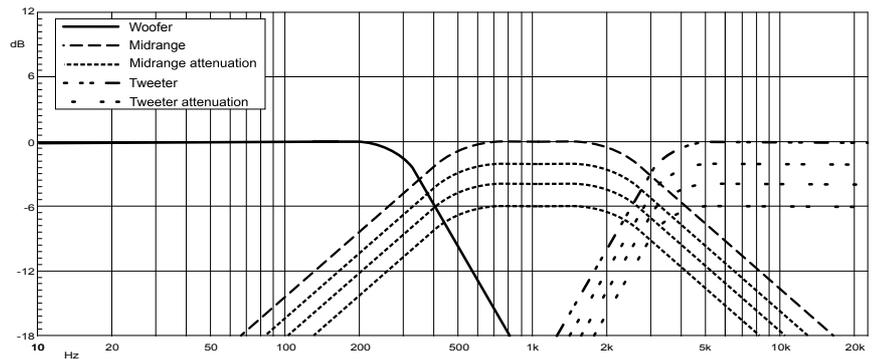


ALU E-CAP

The Alu E-Cap is a high quality aluminum foil capacitor, designed specifically for passive crossovers (tweeter and midrange drivers). It utilizes a much thinner dielectric insulation compared to the market standard. The use of a thinner dielectric insulator allows for a cap with less "memory" and that is much faster reacting. Compared to the electrolytic capacitors, the Alu E-Cap will bring more brightness and a little more natural top end balance to audio system. Ideal for who prefer a slightly more bright system, while also hearing improvements in the overall naturalness/neutrality of the audio system.

- Ultra-thin dielectric insulation to eliminate memory effect in the capacitor
- An extremely fast reacting capacitor
- Very low ESR, SEL, inductance and dielectric absorption data
- High quality aluminum foil wound with highly specialized machinery and precision winding techniques
- Specifically designed for the tweeter and midrange section of passive crossovers

SPECIFICATIONS			
Technical Characteristics	Symbol	Value	Units
GENERAL DATA			
Overall Dimension	WxDxH	165x230x71	mm
Cut Out Frequency	F-3	350/3000	Hz
Continuous Power Handling	P	150	W
Peak Power handling	Pp	300	W
Low Pass Slope	LP	12	dB/Oct
Band Pass Slope	BP	6-6	dB/Oct
High Pass Slope	HP	12	dB/Oct
Band Pass Setting	BPL	0-2-4-6	dB
High Pass Setting	HPL	0-2-4-6	dB



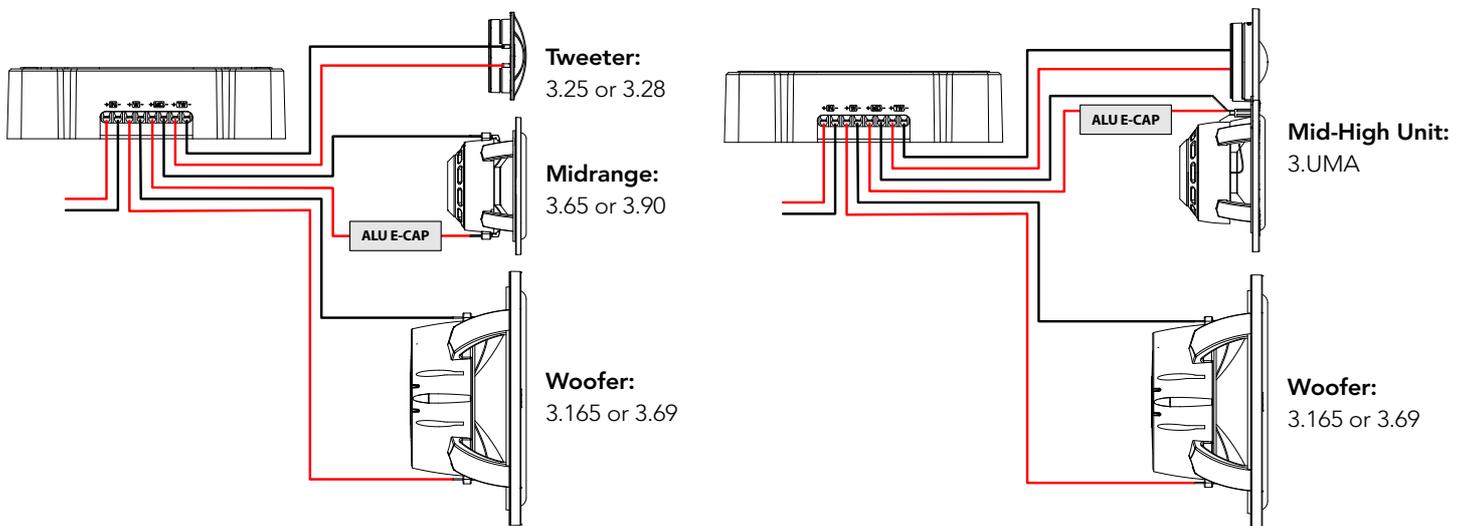
All measurements in millimeters

INSTALLATION

The ESB 3.6K3HE crossover network should be installed in a dry location inside your vehicle. Don't install them inside the door. The crossover can be screwed into a solid surface via all four holes located under the protective cover of the case. To access these holes, remove the four Allen screws and pull the cover away from the base. Use flat head screws type. Don't use wood screws, these use a conical head and can crack the screw holder on crossover base. Screw it by hand with limited torque when close. Make sure that your month location will not cause damage to wiring, fuel lines, brake lines or any other component of your vehicle. **Don't cover the crossover case**, to work well the crossover must dispose of the heat generated by the internal resistors, especially if amplifiers with power greater than 1/4 of the crossover power handling. Excessive heat build-up from closing the ventilation holes can cause damage.

WIRING YOUR SPEAKER SYSTEM

Your 3.6K3HE crossover network can be drive several ESB 3000 series components, follow the samples below for choosing your right system combination. The capacitor must be connected in series on the midrange positive.



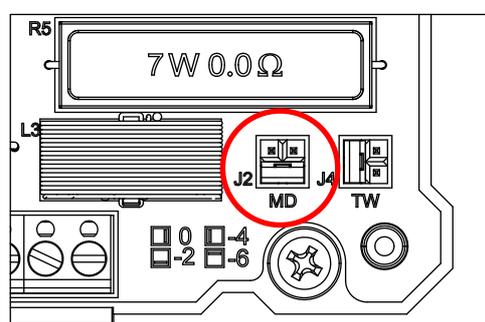
It is absolutely vital that your component system must be connected as shown in this manual. If not connecting the system as shown may cause damage to speakers NOT covered by warranty. Do not change different crossover networks or speakers, this crossover is specially designed for 3000 series speaker system. Do not use crossover networks intended for several ESB series models unless expressly indicated.

CROSSOVER NETWORK ADJUSTMENT

The crossover network ESB 3.6K3 have been designed to allow level adjustments to midrange and tweeter. These adjustments make it possible to fine-tune your system to suit your listening preferences and to compensate various speaker mounting installation, distance and orientation.

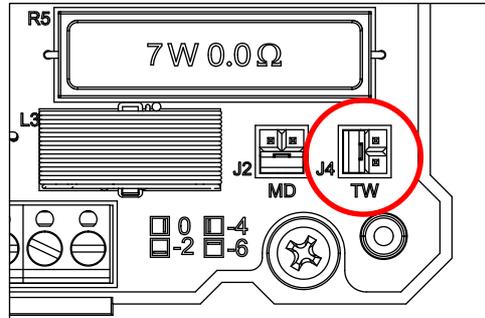
MIDRANGE LEVEL

The midrange level can be adjusted on 4 steps by first jumper on right side of circuit board. The jumper allows positioning of the removable jumper in 4 different positions: Up, Left, Down, Right. Each position corresponds to a specify attenuation: RIGHT: 0 dB, DOWN: - 2 dB, LEFT: - 4 dB, UP: - 6 dB

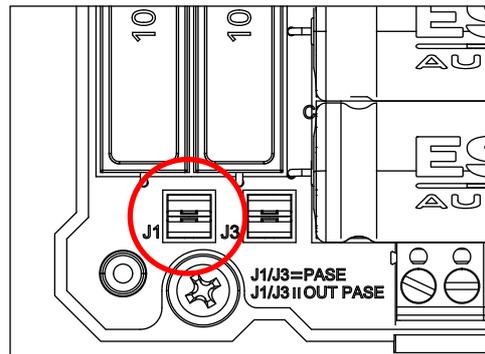


TWEETER LEVEL

The tweeter level can be adjusted on 4 steps by first jumper on right side of circuit board. The jumper allows positioning of the removable jumper in 4 different positions: Up, Left, Down, Right. Each position corresponds to a specify attenuation: RIGHT: 0 dB, DOWN: - 2 dB, LEFT: - 4 dB, UP: - 6 dB

**MIDRANGE PHASE**

The midrange phase can be adjusted on 2 steps by first jumper on left side of circuit board. The jumper allows positioning of the removable jumpers in 2 different positions: Horizontal or Vertical. Each position corresponds to a specify phase set up: All jumper in HORIZONTAL position: PHASE = 0°. All jumper in VERTICAL position: PHASE = 180°

**TWEETER PHASE**

The tweeter phase can be adjusted on 2 steps by second jumper on left side of circuit board. The jumper allows positioning of the removable jumpers in 2 different positions: Horizontal or Vertical. Each position corresponds to a specify phase set up: All jumper in HORIZONTAL position: PHASE = 0°. All jumper in VERTICAL position: PHASE = 180°

