8.6K2 CX

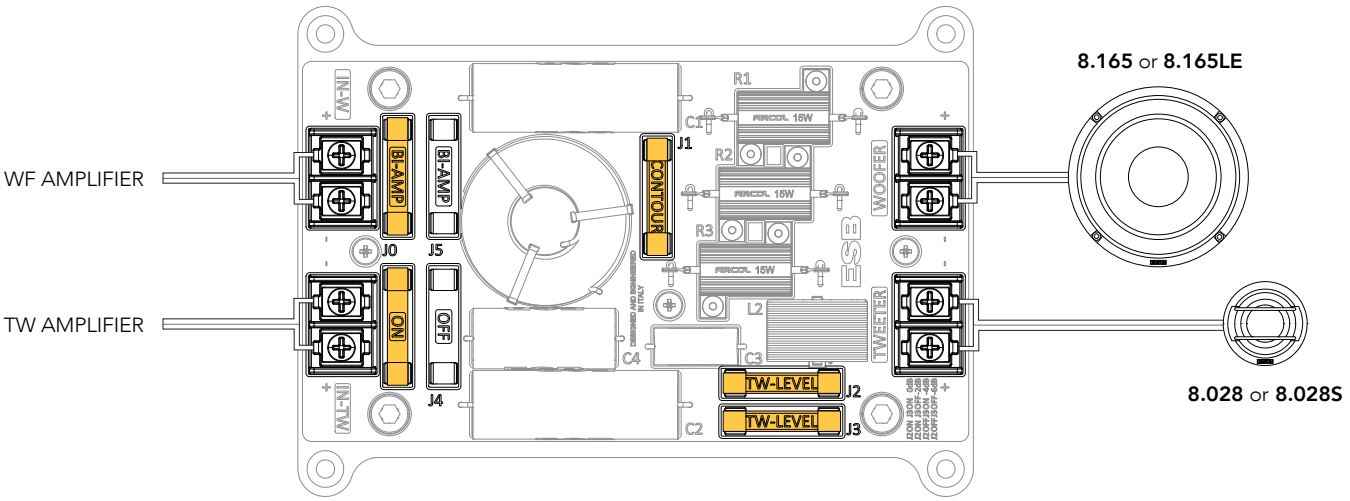
2-WAY PASSIVE CROSSOVER

CROSSOVER NETWORK ADJUSTMENT

The crossover network 8.6K2CX have been designed to allow tonal adjustments to the woofer and tweeter response, plus tweeter level. These adjustments make it possible to fine-tune your system to suit your listening preferences and to compensate various speaker mounting installation and orientation.

- This crossover has been specifically designed for the 8000 series components, in particular:
  8.165 or 8.165 LE woofer; 8028 or 8028S tweeter
- Possibility of multi-amplification connection
- Aluminum structure machined from solid with CNC machines
- Clear acrylic cover for improved ventilation and component protection
- Gold plated spacers and screws
- Gold-plated parameter adjustment jumpers for zero resistance and large diameter for ultra-high load capacity
- All coils are wound in air to minimize distortion
- Coil wire with large diameter (1.5 mm) and 99.9% pure copper
- Anti-inductive resistors with dissipating aluminum body, helps to manage very high powers in order to remain relatively cool, in this way the resistance does not vary
- Very high quality bi-metallized capacitors for maximum transparency of details in the medium and high frequencies.
To increase the response speed the tweeter uses a configuration of smaller capacitors in parallel
- Compact size and practical and sturdy fixing system with 4 screws

DEFAULT CONFIGURATION (BI-AMPLIFICATION)



The inputs are splitted, two amplifiers are needed, one drives the bass frequency section (woofer), the second drives the high frequency section (tweeter). These amplifiers can be set in full range mode as well with electronic crossover.
BIAMP + OFF: Without bi-amplification, the input used is the woofer (IN-W) and the signal is distributed to the output of the two channels (woofer and tweeter). Only one amplifier is used to drive the whole channel at the same time.

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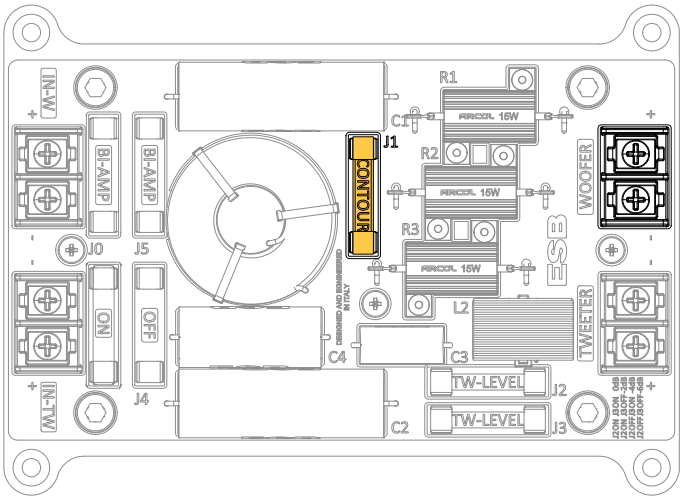
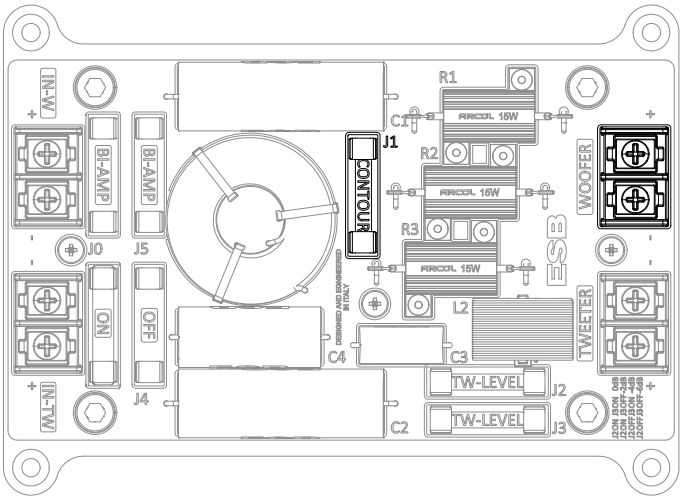
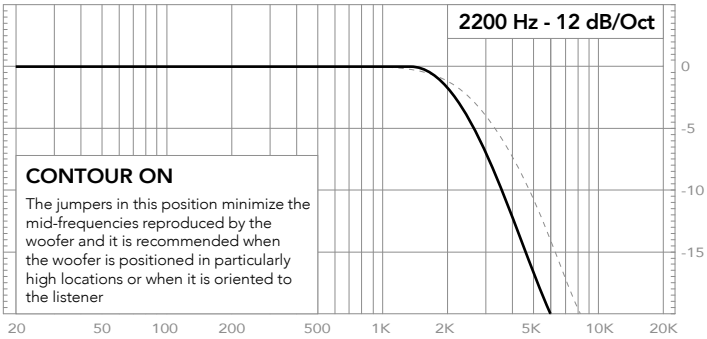
WOOFER CONTOUR

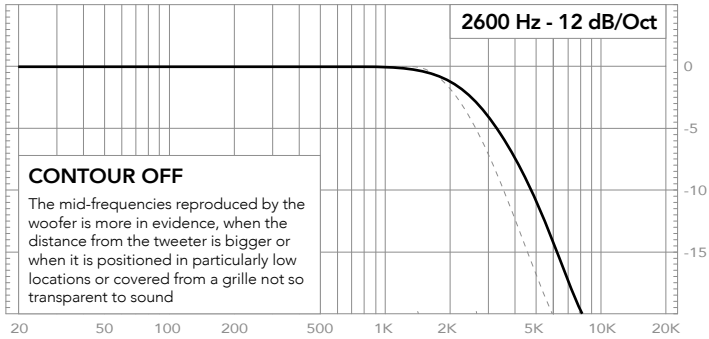






CONTOUR ON

The jumpers in this position minimize the mid-frequencies reproduced by the woofer and it is recommended when the woofer is positioned in particularly high locations or when it is oriented to the listener



CONTOUR OFF

The mid-frequencies reproduced by the woofer is more in evidence, when the distance from the tweeter is bigger or when it is positioned in particularly low locations or covered from a grille not so transparent to sound

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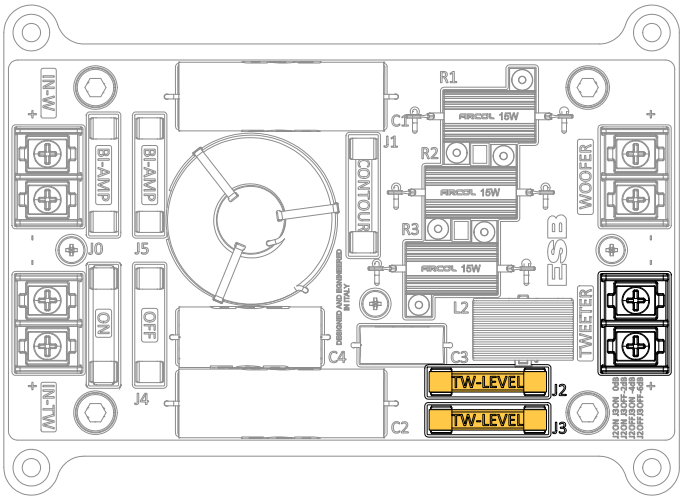
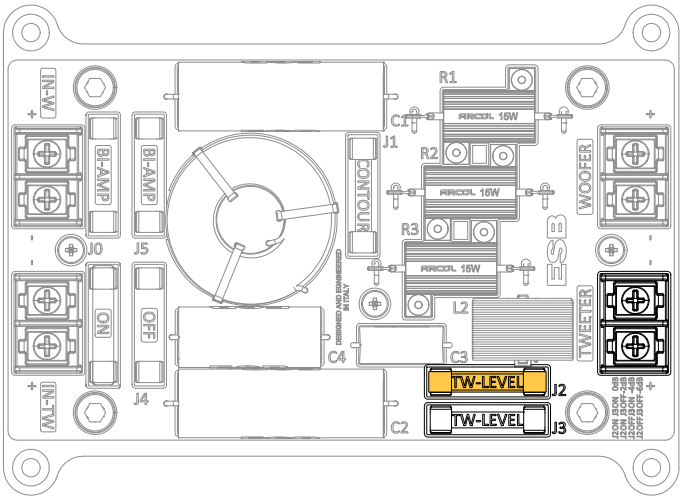
2-WAY PASSIVE CROSSOVER

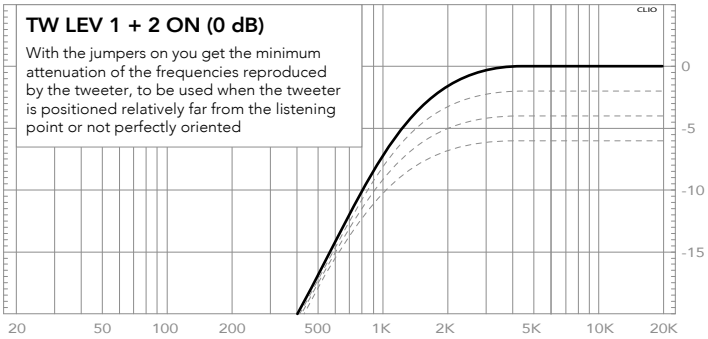
TWEETER LEVEL (0, -2, -4, -6 dB)





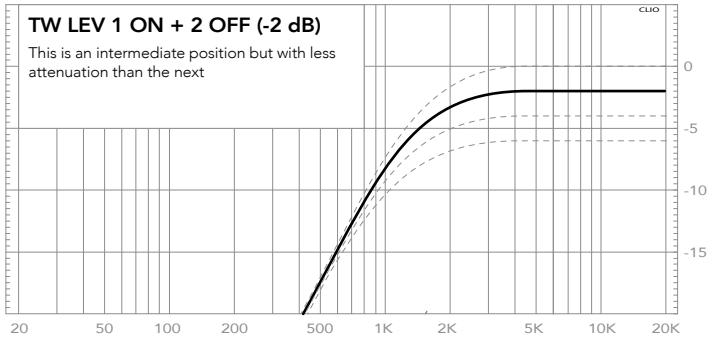
TW LEV 1 + 2 ON (0 dB)

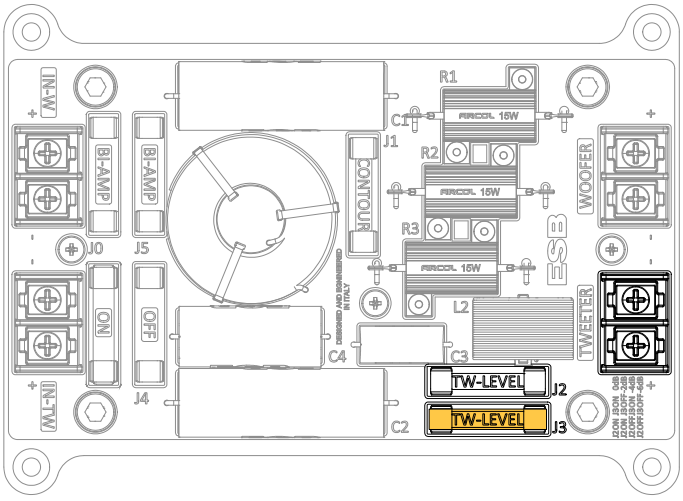
With the jumpers on you get the minimum attenuation of the frequencies reproduced by the tweeter, to be used when the tweeter is positioned relatively far from the listening point or not perfectly oriented

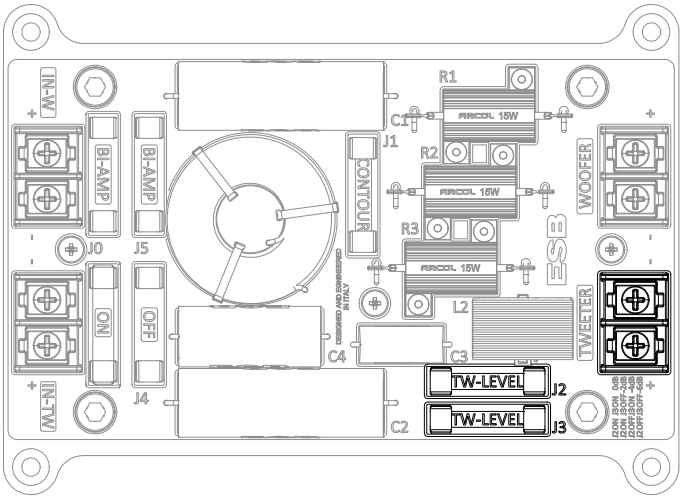


TW LEV 1 ON + 2 OFF (-2 dB)

This is an intermediate position but with less attenuation than the next

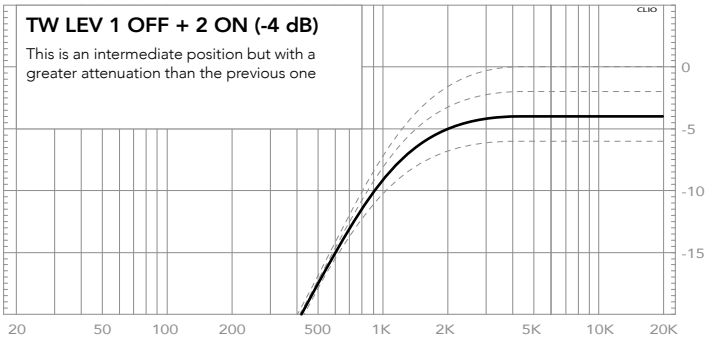


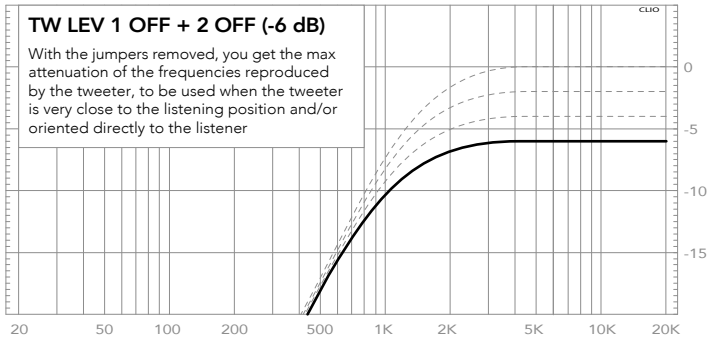




TW LEV 1 OFF + 2 ON (-4 dB)

This is an intermediate position but with a greater attenuation than the previous one



TW LEV 1 OFF + 2 OFF (-6 dB)

With the jumpers removed, you get the max attenuation of the frequencies reproduced by the tweeter, to be used when the tweeter is very close to the listening position and/or oriented directly to the listener