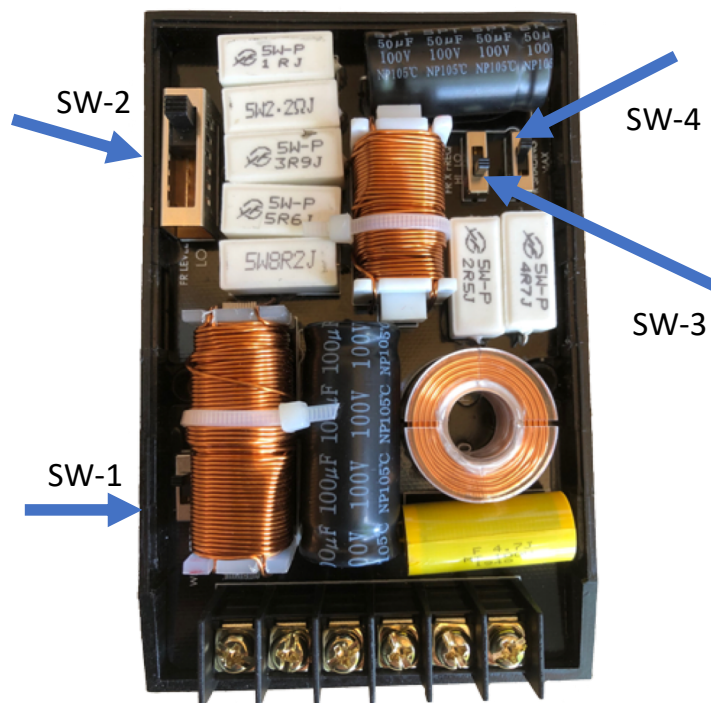


Wideband System Crossover settings



Setting the U-500 wideband system interface crossover.

First connect the large speaker to the "woofer" terminals and the input to the amplifier channel being used.

Set **SW-1** for a pleasing soft muffled sound. LO is the softest, HI is the brightest. The final decision will depend on how the wideband driver sounds in the vehicle/listening room. Now connect the wideband driver to the full range terminal and set **SW-3** switch to LO, **SW-2** set in position 3 or 4 basically in the middle between HI and LO and with **SW-4** set to max.

Using the less efficient wideband drivers like Unity8.0 possible **SW-2** should finally be set higher for perfect blend.

SW-1 allows a little more midrange sound to appear from the woofer terminals going toward the HI setting for the main speaker.

SW-2 sets the basic level for the wideband driver. Set this to blend with the main speaker. You can try all three **SW-1** settings with the **SW-2** settings. Set **SW-3** to blend optimally with the main speaker.

Finally set **SW-4** from zero (brightest) to max (softest) to soften or raise the higher frequencies from the wideband driver for the best clarity in your vehicle/listening room.

There are 3 times 6 times 3 times 3 possible settings but most are fairly subtle. It should be easiest to set **SW-1** and **SW-2** first with **SW-3** on LO and **SW-4** on Max. Subsequently advance **SW-4** toward 0 to increase presence and brightness to the sound from the wideband driver. **SW-3** will add a subtle extra midrange going toward LO. This blend will interact primarily with **SW-2**.

SW-1 woofer setting: Down/low setting give you most low bass response from the woofer, mid-high settings open the woofer for more midrange to optimize blend with the wideband driver.

SW-3 sets low frequency cutoff for the wideband driver to match the woofer sound. Lo is the lowest frequency. Most settings (except **SW-2** wideband driver level) are quite subtle and takes allot of listening in the vehicle/listening room to get to the perfect blend.

