

## Crossover and EQ settings for Impulse 4i (2 way active)

### Vertical Positioning

#### Impulse 4i LF (12")

Level 0.0dB / Polarity + / Delay 000.125 ms (0.043 meters)

Hi Pass filter : 129 Hz / But / 24 dB/oct

Lo Pass filter : 1644 Hz / But / 24 dB/oct

EQ 1 : Gain -4.0dB / Freq 592 Hz / BW 0.34 oct (Q=4.23) / Type PEQ

EQ 2 : Gain -1.5dB / Freq 326 Hz / BW 0.24 oct (Q=6.00) / Type PEQ

EQ 3 : Gain +3.5dB / Freq 201 Hz / BW 0.32 oct (Q=4.50) / Type PEQ

Limiter\* : Threshold -2.0dB / Attack 8ms / Release 8x (64ms)

#### Impulse 4i HF (1.4")

Level -7.5dB / polarity + / Delay 000.000 ms (0.000 meters)

Hi Pass filter : 1644 Hz / LR / 24 dB/oct

Lo Pass filter : out

EQ 1 : Gain +4.0dB / Freq 4740 KHz / BW 0.26 oct (Q=5.54) / Type PEQ

EQ 2 : Gain +3.5dB / Freq 6704 KHz / BW 0.30 oct (Q=4.80) / Type PEQ

EQ 3 : Gain -2.5dB / Freq 2929 KHz / BW 0.38 oct (Q=3.79) / Type PEQ

EQ 4 : Gain -2.5dB / Freq 11059 KHz / BW 0.28 oct (Q=5.14) / Type PEQ

Limiter\* : Threshold -12.0dB / Attack 8ms / Release 8x (64ms)

### Horizontal Positioning

#### Impulse 4i LF (12")

Level 0.0dB / Polarity + / Delay 000.125 ms (0.043 meters)

Hi Pass filter : 129 Hz / But / 24 dB/oct

Lo Pass filter : 1644 Hz / But / 24 dB/oct

EQ 1 : Gain -4.5dB / Freq 615 Hz / BW 0.36 oct (Q=4.00) / Type PEQ

EQ 2 : Gain -1.5dB / Freq 326 Hz / BW 0.24 oct (Q=6.00) / Type PEQ

EQ 3 : Gain +3.5dB / Freq 201 Hz / BW 0.32 oct (Q=4.50) / Type PEQ

Limiter\* : Threshold -2.0dB / Attack 8ms / Release 8x (64ms)

#### Impulse 4i HF (1.4")

Level -7.0dB / polarity + / Delay 000.000 ms (0.000 meters)

Hi Pass filter : 1644 Hz / LR / 24 dB/oct

Lo Pass filter : out

EQ 1 : Gain +4.0dB / Freq 4740 KHz / BW 0.26 oct (Q=5.54) / Type PEQ

EQ 2 : Gain +3.5dB / Freq 6704 KHz / BW 0.30 oct (Q=4.80) / Type PEQ

EQ 3 : Gain -2.5dB / Freq 2929 KHz / BW 0.38 oct (Q=3.79) / Type PEQ

EQ 4 : Gain -2.5dB / Freq 11059 KHz / BW 0.28 oct (Q=5.14) / Type PEQ

Limiter\* : Threshold -12.0dB / Attack 8ms / Release 8x (64ms)

\* Limiter settings based on an amplifier input sensitivity of 1.4V