

C2 Comparator

- Active electronic loop control unit for the SC8 subwoofer
- Two balanced inputs
- Two balanced outputs
- Two sensor loop control inputs
- Frequency Loop control 25 Hz (-3 dB)
- Two sensor indicators

The C2 Comparator is the active electronic loop control unit for the SC8 subwoofer. The unit includes two balanced audio inputs and two outputs as well as two sensor control loops connected to a 5-pol Neutrik XLR input. The Comparator's electronic circuit loop measures the voice coil excursion of the SC8 subwoofer and corrects the signal, significantly decreasing distortion. The unit is set for flat frequency response down to 25 Hz (-3 dB).

Speaker connection

The SC8 subwoofer should be connected to the C2 Comparator and a stereo amplifier (2 x 3000 W @ 8 Ohm) using a special hybrid cable (two loudspeaker cable + two symmetric control signals in one cable).



TECHNICAL SPECIFICATIONS	
Inputs:	Two electronically balanced
Impedance:	> 20 kOhm - balanced, > 10 kOhm - unbalanced
CMRR:	> 65 dB, 10 Hz - 10 kHz
Outputs:	Two electronically balanced
Source impedance:	< 600 Ohm
Min. load:	600 Ohm
Max. level:	+ 20 dBm into 600 Ohm load
Frequency response:	0 Hz - 150 Hz (-3 dB)
Dynamic range:	> 115 dB (< 17µV Output Noise Voltage) unwtd.
Distortion:	< 0.01 % @ 100 Hz, +10 dBm
Sensor Inputs:	Two electronically balanced
High and Low Pass filters:	DC - 150 Hz, 12 dB / oct LP
Loop Display:	LED (One per channel) Sensor Present Signal
Loop Control Frequency:	25 Hz
Connectors:	Inputs 3 pin female XLR, Outputs 3 pin male XLR Sensor Inputs 5 pin male XLR
Power connector:	3 pin IEC
Power supply:	220 - 240 VAC
Consumption:	< 25 VA
Weight:	2.85 kg net weight (3.6 kg shipping)