

## SC3T



- Active tri-amp subwoofer including amplifier outlets for stereo tops
- 18" neodymium woofer with velocity sensor for feedback loop control
- 2400 W + 2 x 700 W class D amplifiers
- Built in analogue comparator - active electronic loop control

SC3T is an active tri-amp subwoofer with amplifier outlets for passive tops containing 3800 W amplification and DSP processing for a complete stereo Sub / Sat system.

**The electronic:** integrates one 2400 W high efficiency class D amplifier for the low frequency and 2 x 700 W class D amplifiers for the top cabinets. The integrated comparator is an analogue electronic circuit loop that measures the voice coil excursion of the SC3T subwoofer and corrects the signal, significantly decreasing distortion. The advanced DSP processor provides a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

#### TRANSDUCER

The SC3T is equipped with extremely long excursion 18" neodymium ultra low distortion woofer with integrated velocity sensor that measures, compares and controls cone movements. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 50 mm high, ensuring ultra linear excursion of 40 mm / pp at consistent magnetic force. State of the art carbon-fiber cone ensures maximum stiffness and low moving mass. Three aluminum shorting rings reduce intermodulation distortion; minimize induction variation while reducing thermal compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet. The sensor is in fact an additional voice coil connected to the loudspeakers voice coil in a high precision, magnetically shielded system.

**System integration:** Optimized to work together with the G- and D-Series full range passive cabinets, the SC3T active subwoofer can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system. An integrated speaker output enables you to drive an additional passive subwoofer (SC3S) increasing the system's low frequency output with 6 dB without the need of multiple 19" audio gear and external racks.

## SC3T

Active tri-amp subwoofer with amplifier outlets for top cabinets and incorporating award winning feedback loop control technology in a compact single 18" enclosure\*

- High quality 96 kHz DSP audio processing
- PC control via network
- Extended frequency range down to 20 Hz (-6dB), 25 Hz (-3dB)
- Capable to drive an additional passive woofer SC3S
- Ultra compact

Applications: Used in a wide variety of configurations the SC3T provides a compact and economical plug and play solution for bands, small touring PA-systems, mobile DJ's or permanent installations. The SC3T subwoofer is perfectly suited as a sub-extension and amplification for LA4 and the G-Series in Houses of Worship, Theatres and clubs.

#### TECHNICAL SPECIFICATIONS SC3T

Type:	Self-powered subwoofer cabinet with amplifier outlets for tops
Application:	Small / medium venues subwoofer
Frequency response:	20 Hz (-6 dB), 25 Hz (-3 dB) to 150 Hz
Max. SPL peak:	138 dB
Amplifiers sub:	Class D
Max. power output (RMS):	2400 W / 4 Ohm
THD + N:	0.05 % (20 Hz – 20 kHz, 8 Ohm load, 3 dB below rated power)
Amplifiers top:	Class D
Max. power output (RMS):	2 x 700 W / 4 Ohm
THD + N:	<0.05 % (20 Hz – 20 kHz, 8 Ohm load, 3 dB below rated power)
Components:	18" Neodymium woofer with sensor, 4" (101.6 mm) voice coil, 1500 W (AES)
Controller:	High Quality 96 kHz DSP audio processing
Input:	Balanced
Connectors:	L + R female XLR, L + R male XLR loop (Pin 2+, 3-, 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker outputs:	L, R, Sub, 3 x Neutrik™ NL4MP
AC connector:	Neutrik™ PowerCon
Operation Voltage:	Universal mains, 85 - 268 V (dual voltage auto selection)
LED indicators:	Power on, Signal, 0-dB, LF Limit, HF Limit, Overload
Controls:	Master Volume, Sub Volume
Gain:	-9 dB, +3 dB
Enclosure material:	Baltic birch
Finish:	Textured black paint
Dimensions (W x D x H):	520 x 630 x 500 mm
Net weight:	39 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor