

MEGACLITE 2.1

Quick User Manual

Megaclite 2.1 is a set of USB-C earphones. It features the new USound piezoelectric MEMS speaker technology.

Megaclite presents a distinctive sound that sets it apart from balanced armature and electrodynamic earphones designs. MEMS speakers are lightweight and act like a linear motor resulting in a full bandwidth sound with strong bass, clear treble and impulse accuracy.

Features

- Stereo USB-C earphones with MEMS full-range speakers
- High resolution audio processing with 32 bit, 48 kHz
- Distinct bass boost function without muddy low-mids, +10 dB below 100 Hz
- The earphones offer 100 dB SPL@1 kHz, at less than 1 % THD
- Control interface for play/pause and volume up/down
- High performance DSP for audio filter customisation

Package Content

- Megaclite USB-C earphones
- Ear tip set in different sizes

Setting Up the System



Just plug and play. The right-side earphone can be identified by the red mark. Should you require any assistance, please contact a USound sales representative.

Performance Specifications

Parameter	Description	Min.	Typ.	Max.	Unit
V_{USB}	Main supply provided by USB-C connector	4.45	5.0	5.25	V
Max SPL	Max. SPL@1 kHz measured in coupler 60318-4	100	103	106	dB
THD	@94 dB / 1 kHz	-	0.5		%
Bass gain with bass boost	Difference between SPL@700 Hz and SPL@50 Hz	8	10	12	dB
f_{Low}	Low frequency limit (- 3 dB)	-	10	20	Hz
f_{High}	High frequency limit (- 3 dB)	10	12	-	kHz

