

MEGACLITE 3.0

UH-R 2030 | QUICK USER GUIDE

Megaclite 3.0 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 105 dB SPL@1 kHz, at less than 0.5% 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. Should you require any assistance, please contact customer-service@usound.com.

PERFORMANCE SPECIFICATIONS

PARAMETER	DESCRIPTION	MIN	TYP	MAX	UNIT
V_{USB}	Main voltage supply provided by USB-C connector	4.45	5.0	5.25	V
Max SPL	Max. SPL@1 kHz measured in coupler IEC60318-4	102	103.7	105.3	dB
THD	Measured @94 dB / 1 kHz	0.22	0.33	0.49	%
Bass boost	Difference between SPL@50 Hz and SPL@700 Hz	7.9	8.1	8.3	dB
f_{Low}	Low frequency limit (-3 dB)	8.6	12	18.1	Hz
f_{High}	High frequency limit (-3 dB)	11.7	>20	24	kHz

