

# U))) SOUND

## USB-C EARPHONES

### MEGACLITE 4.0 UH-R2040 QUICK USER GUIDE

Megaclite 4.0 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
- Bass boosted for dynamic sound (changeable via firmware update)
- The earphones offer 105 dB SPL@1 kHz, at less than 1% THD
- High performance DSP for audio filter customisation

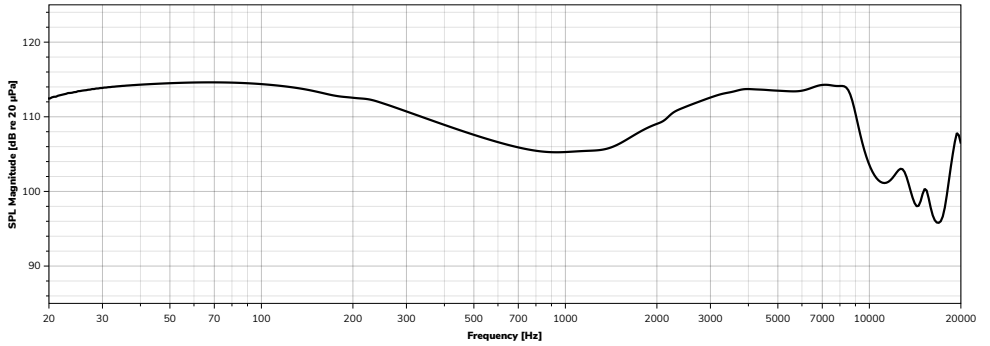
## PACKAGE CONTENT

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

# MEGACLITE 4.0 SPL<sub>MAX</sub> FREQUENCY RESPONSE

## Megaclite 4.0

measured as per IEC60318-4 (GRAS 43AC)



# PERFORMANCE REQUIREMENTS

Parameter	Test conditions	MIN	TYP	MAX	Unit
$V_{\text{USB}}$	Main supply provided by USB-C connector	4.45	5.0	5.25	V
Max SPL	SPL (f=1 kHz) at -0 dBFS	104.3	105.3	106.3	dB
THD	Measured at 94 dB / 1 kHz	0.4	0.5	0.8	%
Bass boost	Difference between SPL (f=60 Hz) and SPL (f=800 Hz)	8.4	9	9.7	dB
$f_{\text{Low}}$	Low frequency limit (-3 dB)	16	17.8	20	Hz
$f_{\text{High}}$	High frequency limit (-3 dB)	20	21	24	kHz

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Released on September 2020

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