

## Specifications

Frequency range (+/-12dB)	25 - 200 kHz
Sensitivity at 50 kHz	60 dB SPL / 2.83 V / 1 m
Diaphragm diameter	16 mm
Capacitance	100 pF
Max output sound level in conjunction with UltraSoundGate Player (operated from 36V DC)	> 66 dB SPL at 1 m distance
Electrical connection	XLR-4 / 4-pole speakON connector
Physical dimensions (diameter x length)	36 x 60 mm
Weight	65 g

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part #60108



**Ultrasonic Electrostatic**

User's Guide

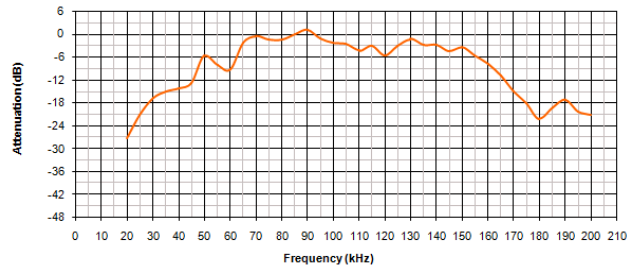


**Avisoft** ULTRASOUNDGATE

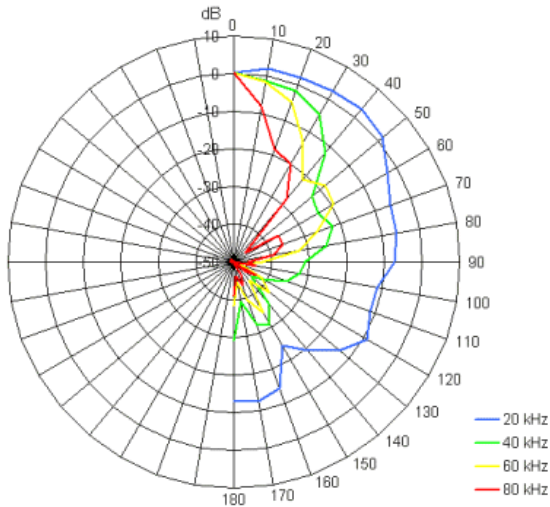
## Introduction

Thank you for purchasing the Ultrasonic Electrostatic Speaker ESS16.

This device is intended for playing ultrasounds in the frequency range between 25 and 200 kHz. Note that it cannot reproduce audible sounds below 20 kHz. It can be used in combination with the UltraSoundGate Player 116H (#70111/70112), UltraSoundGate Player 216H (#70117/70118) and the Portable Ultrasonic Power Amplifier (#70101).



On-axis frequency response



Polar diagram

## End-user Agreement

**This a legal agreement between Avisoft Bioacoustics and the buyer. By operating this device and the accompanying software, the buyer accepts the terms of this agreement.**

1. The Device is warranted to perform substantially in accordance with the operating manual for a period of 24 months from the date of shipment.
2. EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY ABOVE, THE DEVICE IS PROVIDED WITH NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE VENDOR EXCLUDES ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
3. The Vendor's entire liability and the Buyer's exclusive remedy shall be, at the Vendor's SOLE DISCRETION, either (1) return of the device and refund of purchase price or (2) repair or replacement of the device.
4. THE VENDOR WILL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES HEREUNDER, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA OR INFORMATION OF ANY KIND, ARISING OUT OF THE USE OF OR INABILITY TO USE THE DEVICE IN NO EVENT SHALL THE VENDOR BE LIABLE FOR ANY AMOUNT IN EXCESS OF THE PURCHASE PRICE.
5. This agreement is the complete and exclusive agreement between the Vendor and the Buyer concerning the device.