

Features

4 Microphone Channels

ADC Type: Delta-Sigma architecture with integrated adaptive anti-aliasing filter

Sample Rates [kHz]: 300, 250, 214, 187.5, 166.6, 150, 125, 100, 75, 62.5, 50

Resolution: 16 bit or 8 bit

Input Sensitivity: -9 dBV = -7dBu = 0.35 Vrms

Frequency Response (-3dB): 1 - 135 kHz

Input Impedance: 50 kOhm

Analog Input Connector: Female XLR-5 Socket

Analog Output: External Trigger Output (TTL-compatible) on XLR Pin 5

Computer Interface: USB 2.0, isochronous high Speed Mode

Physical USB Connection: Standard B-Type USB Socket

Supply Current: 400 mA (drawn from USB)

Housing: Compact Aluminum Enclosure

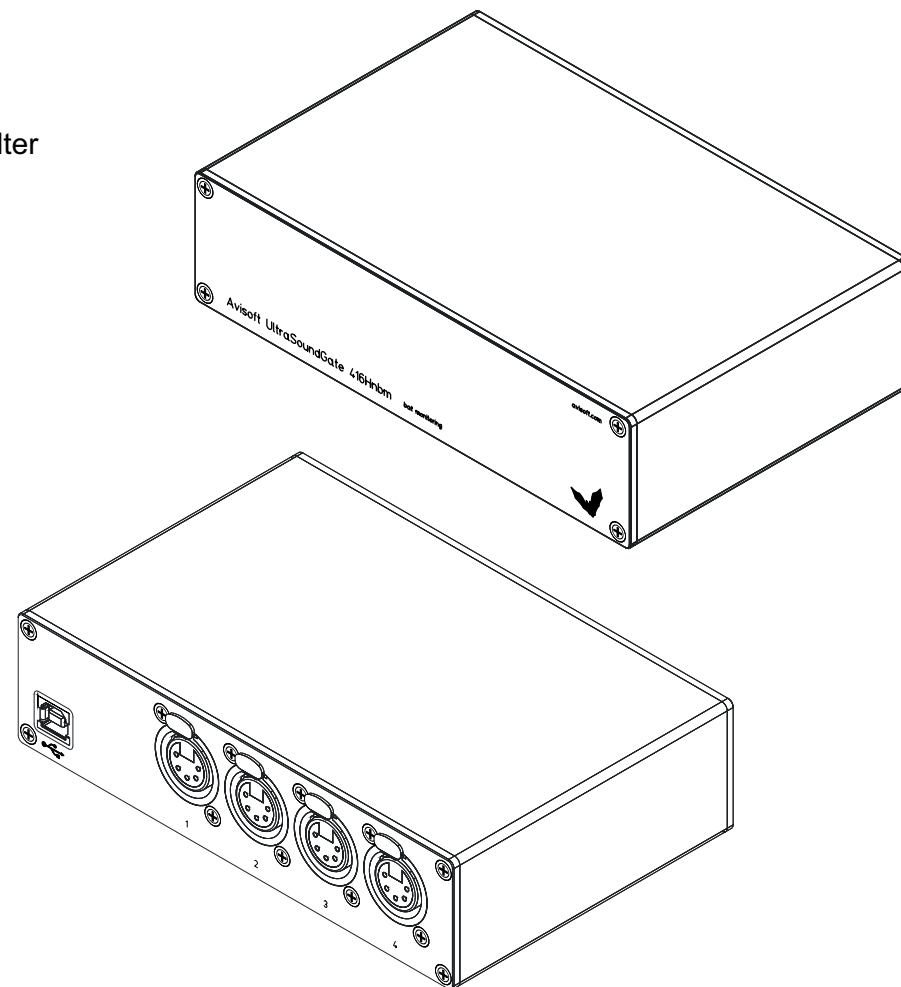
Housing Color: Silver

Included Software: Avisoft-RECORDER USGH

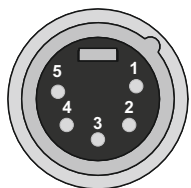
Compatible with Probat and the RENEBAT projects

Suited for Bird Detection

System Requirements: Windows Vista / 7 / 8 / 8.1 / 10 / 11

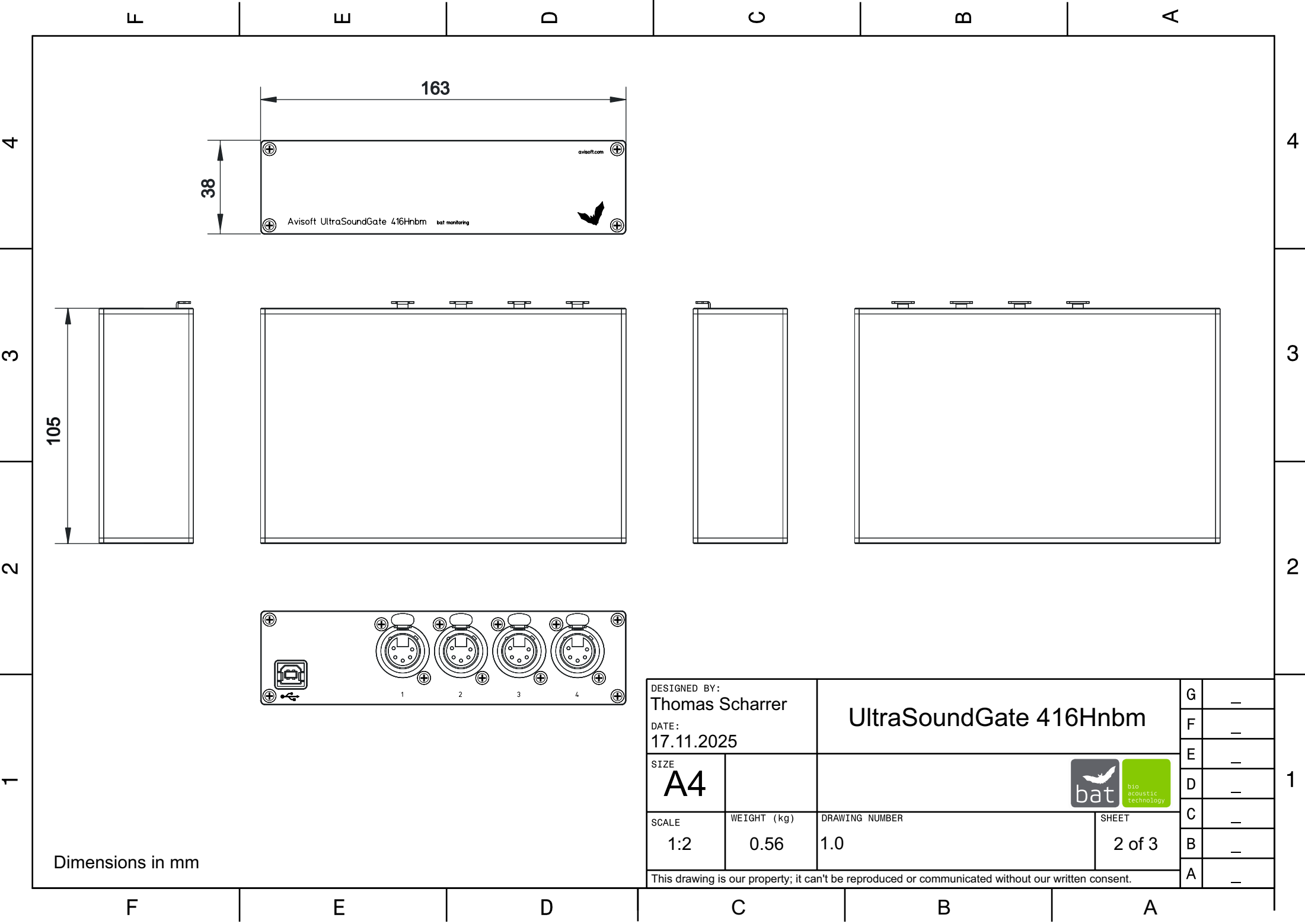


XLR-5 Microphone Connector Pinout



Pin	Description
1	Ground
2	Signal +
3	Signal -
4	5V supply voltage
5	Testsignal trigger

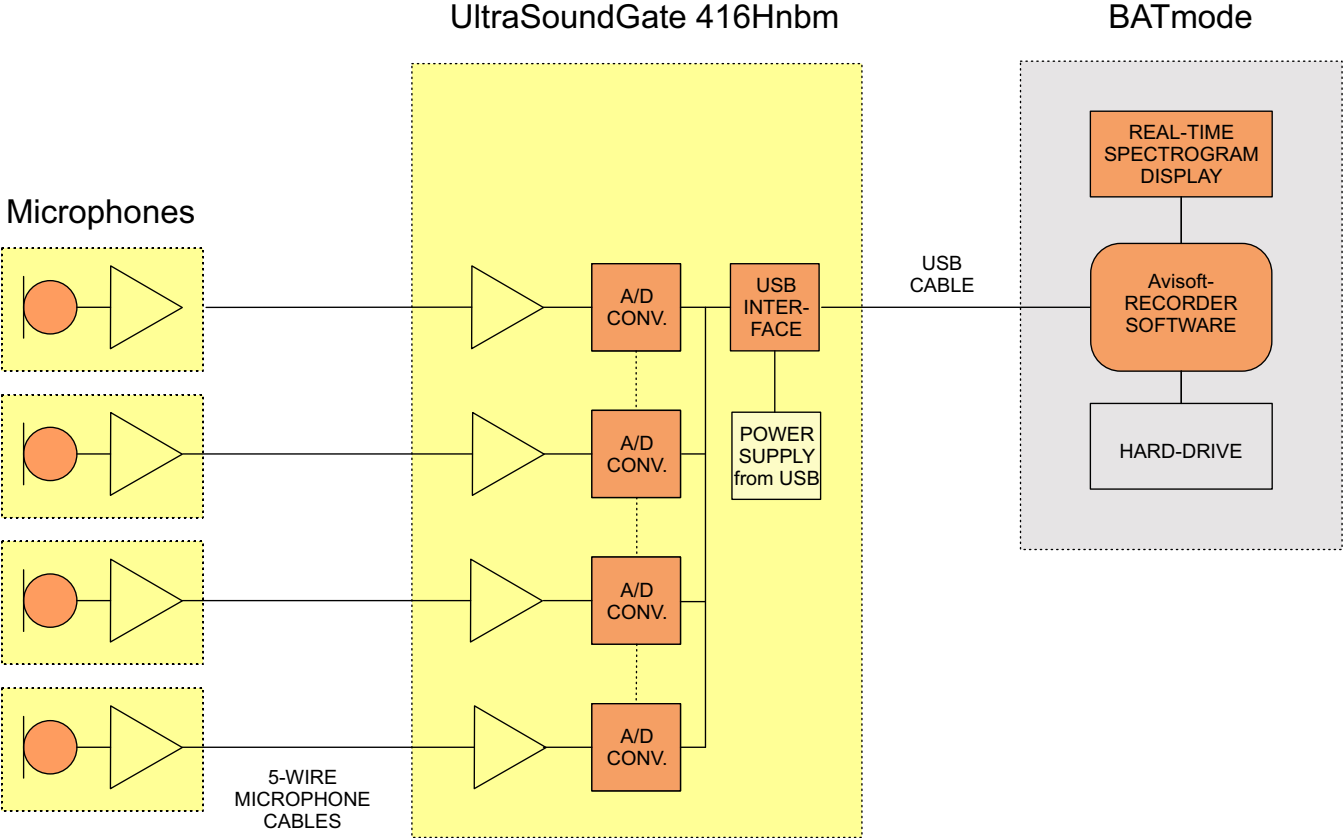
DESIGNED BY: Thomas Scharrer		UltraSoundGate 416Hnbm		G	—
DATE: 17.11.2025				F	—
SIZE A4		 		E	—
				D	—
SCALE 1:2	WEIGHT (kg) 0.56	DRAWING NUMBER 1.0	SHEET 1 of 3	C	—
				B	—
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Dimensions in mm

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SIZE A4		 		E	—
SCALE 1:2	WEIGHT (kg) 0.56			D	—
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Principle of BATmode system with the UltraSoundGate 416Hnbm



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