

ATUC-50 System Components

Discussion Unit

ATUC-50DU

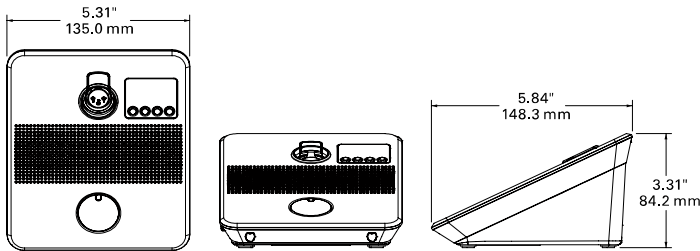
Discussion unit with high-quality audio

- Configurable user type unit e.g. delegate, chairman, VIP.
- Microphone connector compatible with standard 3-pin XLR microphones.
- Low Noise (EIN: -121 dBu) microphone preamp using discrete transistors, with individual adjustable gain control.
- Multi colour RGB rear LED bar for general visualisation purposes.
- Multi-colour LED on the speak button for user's colour preferences.
- LED display for volume control and listening channel selection.
- High quality speaker for enhanced speech intelligibility.
- 24-bit / 48kHz High Resolution Audio.
- Multiple independent indicator (multi-coloured RGB LED bar on rear of Discussion Unit and LED on the talk button).
- Clear LED display for volume control and listening channel selection.
- 2 x RJ45 Port for connecting to the Control Unit and other Discussion Units and 1x expansion terminal for future options.
- 1 x stereo mini jack headphone output.



Specifications

Dynamic range	107 dB A-weighted
Frequency response	+ 1.0, - 2.0dB, 20Hz - 20kHz, refer to +4dBu output @ 1kHz
Audio sampling	24 bit/48 kHz
Signal-to-noise	87 dB, A-weighted
I/O connectors	Inputs: MIC (Neutrik XLR-F) - Outputs: Headphones x 1 LINK/CHAIN: DU RJ45 A/B terminals
Headroom	20 dB
Equivalent input noise	Less than -121dBu, Rs=150 ohm
Total harmonic distortion	Less than 0.07% @ 1kHz unity
Phantom power	DC +24V
Power supply	DC +48V
Power consumption	2.2 W
Operation temperature	0-40° C
Operation humidity	25-85%
Dimensions (W x D x H)	135mm x 148.3mm x 84.2mm
Net weight	570g
Finish	Top panel: Charcoal grey - Enclosure: Black
Included accessories	Quick setup guide, warranty sheet

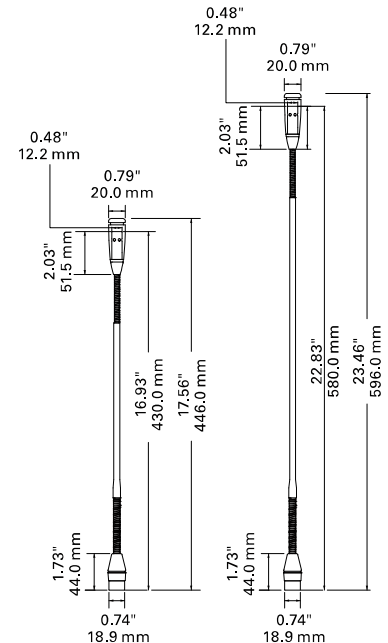


Microphones

ATUC-M43H and ATUC-M58H

Specially designed 3-pin microphone with LED Ring

- Unique 3-pin balanced microphone with remote red LED ring offering high sound quality and user flexibility.
- Patent-pending design isolates the microphone connector from the Discussion Unit socket.
- Double layer pop filter (inside microphone and detachable wind screen).
- RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI).
- Two lengths available (430mm, 580mm).



	ATUC-M43H	ATUC-M58H
Element	Fixed-charge back plate, permanently polarized condenser	
Polar pattern	Hypercardioid	
Frequency response	100-15,000Hz	
Open circuit sensitivity	-40 dB (10.0 mV) re 1V at 1 Pa	
Maximum input sound level	134 dB SPL, 1 kHz at 1% T.H.D.	
Signal-to-noise ratio	64 dB, 1 kHz at 1 Pa	
Impedance	250 ohms	
Finish	Low-reflectance black	
Dimensions	Ø18,9x430	Ø18,9x580
Weight	82g	92g