IDN

MICROPHONE SYSTEM

AUDITEL

AUDITEL
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Microphone
GOOSENECK

The AM-2 series microphone is available in 30cm length as standard, with customisation of length and colour available.

This series of microphone has been designed to combine high audio performance with reasonable cost for conference applications where broadcast feeds may be required, but there is a large number of microphones in the system.

The AM-2 is the standard microphone which is fitted to all Auditel portable and fixed section delegate units. It has a semi-rigid stem with a flexible section at the base to permit height adjustment and to facilitate storage.

The head incorporates a red LED ring luminant which is illuminated when the microphone is active.

This indicates to the user that the microphone is open and helps to identify the speaker in a large conference.

The microphone cartridge is a uni-directional electret condenser type with an unbalanced output requiring a minimum load impedance of 1K ohms. It uses 3 single conductors and a ground via the metal stem, with a power supply in the range 1.5 - 9.0 volts.

The DC power supply for the LED ring luminant is provided separately by two single conductors and is switched automatically by the delegate unit electronics in parallel with the MIC ON indicator on the unit.

SPECIFICATION

- Uni-directional
- Ring luminant
- Semi-rigid or gooseneck
- Fixed fitting (AM-2)
- Hollow bolt for direct fixing to a panel
- 5-pin (M) XLR type connector (AM-2X) for custom applications

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Network
CONTROLLER

Auditel's most acclaimed conference system, the Auditel Intelligent Delegate Network (IDN).

Provides digital microphone control using single cable loopthrough connections, producing the highest possible quality audio output suitable for broadcast applications with optional digital audio input and output. The basic system can be used without operator control, in conjunction with a conventional push button control console (mimic), or via a PC running Auditel software. This software makes full use of the Microsoft Windows™ Graphical User Interface to facilitate microphone management using a mouse and/or a touchscreen. Data exchange with other applications such as Excel and Word are also supported. The system includes options for automatic image projection using CCTV cameras. The Network Controller provides the power, digital interface and audio processing electronics for the delegate microphone and voting units. The NC100 can power up to 100 delegate units. These capacities are doubled if the delegate units do not incorporate loudspeakers. The system can be expanded to several thousand units with the addition of further controllers and auxiliary power supplies.

☑ **The inbuilt monitor loudspeaker has a level control and can be automatically muted if a headset is plugged in. There is also an output for an external monitoring amplifier/loudspeaker combination. A socket on the front panel enables a combination mic/headset to be connected to provide monitoring and talkback facilities.**

☑ **The NC100 can be supplied with an optional AES/EBU digital input/output interface for direct connection to professional high-quality digital audio equipment.**

☑ **Standard digital option fitted is AES/EBU format input/output 110 Ohm balanced transformer coupled. Factory adjustable sample rate.**

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Microphone UNITS

The fixed type Delegate units have a switch with indicators for **WAIT/MIC ON**, an **ALERT** indicator which indicates 'Message Waiting" and gives a warning when the pre-set "**Speech Time**" has elapsed, and (according to requirements) a loudspeaker.

Along with five voting controls for Parliamentary and Multiple Choice voting modes, and an electronic cardreader.

The units are controlled and operated in delegate control with the option of operator intervention, or a central control mode. It is possible to temporarily inhibit selected units and to assign **VIP** status, so that the units can perform as a common mode audio system.

The Chairman's unit has an **ON/OFF** switch with an indicator for **MIC ON** and a **PRIORITY** switch.

Delegate and Chairman's units connect by a 7-conductor loop through cable to the network controller.

The IDN Microphone Units are available in portable, flush-mounted or seatarm styles and customisation options only from Auditel, including the option of Dual Units.

The frequency response shall be at least 100Hz-15kHz (-3dB), S/N at 1mV input better than 72dB (A wtg.), and distortion less than 0.15%. Loudspeakers shall have a power handling of at least 1000mW, frequency response 175Hz-10kHz (±5dB) and SPL at least 87dB/W/m.

SPECIFICATION

- Microphone and Pre-amplifier Sensitivity: -63dBV (±3dB)
- Rear attenuation: -20dB at 1 kHz
- Frequency response: 100Hz-15kHz (-3dB)
- S/N at 1mV input: 72dB (A wtg.)
- Distortion at 1 kHz: less than 0.15%
- Max. power handling: 1000mW
- Frequency response: 175Hz-10kHz (±5dB)
- SPL at 1kHz: 87dB/W/m
- Colour: black anodised
- Size (with speaker): 230x156x45mm

All units come with a built-in loudspeaker and request button, and the following features are available from any unit in any combination, unless otherwise stated:

- USB charging
- 5-way Electronic Voting
- Card-Reader
- Biometric Fingerprint Recognition
- Channel Selector
- LCD Display

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Microphone UNITS

The Auditel Pod is an 'off-the-shelf' portable microphone unit from the IDN range, which has proved enormously popular due to its unique design.

Perfectly suited for straight-table room layouts, the Pod is available as a single, twin or trio unit. Building multiple 'stations' into one physical unit reduces cabling requirements and increases efficiency during meetings.

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