

# DIPLOMAT

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DIGITAL CONFERENCE & INTERPRETATION SYSTEM

AUDiTEL



# AUDiTEL

## AUDiTEL

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# Microphone GOOSENECK



**The Auditel DM-1 series gooseneck is the only truly fully-digital conference microphone available on the market today.**

The output of the microphone capsule is actually digitised in the microphone head, only millimetres from the capsule itself, meaning that it is a digital microphone from the top-down, giving no opportunity for mobile phones to interfere with the signal.

Additionally, the microphone head stores gain parameters, which allows the Diplomat system to have live configuration and equalisation of individual microphone units, making perfect audio balancing easily achievable. This feature is currently unavailable from any other system on the market.

The microphone head contains all sensitivity calibration data, meaning that goosenecks can be freely swapped between delegate units without affecting the sensitivity of the unit.

The Diplomat system can therefore sample audio at 48KHz/24Bits, which exceeds the resolution of the familiar Compact Disk (44.1KHz/16Bits), producing a truly superior sound quality that is uniquely Auditel.

## **SPECIFICATION**

- Immune to mobile phone interference
- Digital audio transmission in microphone stem from the top-down
- Digital Signal Processor for individual microphone gain and equalisation as well as sensitivity calibration data stored in head
- Microprocessor control of tri-colour ring lumina (green/red/amber)
- Available in 30cm length as standard, customisation of length and colour available

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# Microphone UNITS



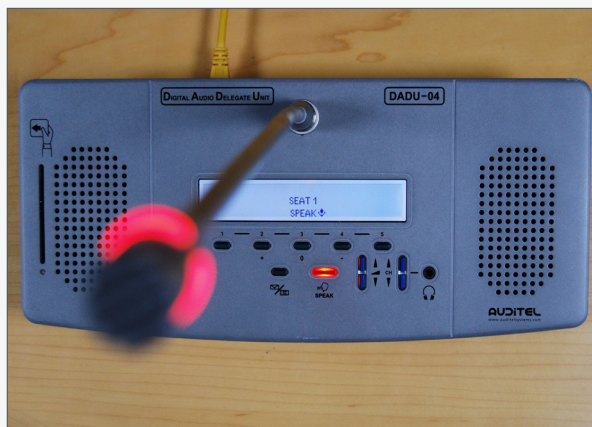
The Diplomat Microphone Units are available in portable, flush-mounted or seatarm styles and customisation options only from Auditel, including the option of Dual Units.

The Chairman version (DACU) differs to the Delegate version (DADU) by way of the standard Priority 'Override' function button, as well as 'Quick Conference Control' functionality through the multifunction buttons, enabling 'Quick Voting' and 'Request Control'. No software is required for this functionality, but the data on the network will not be recorded if used in this way.

Our new ergonomic button design, thanks to a special internal rubber electrical contact, means that the buttons on the Diplomat units have an excellent feel and are silent in operation, ensuring no outside noise during a meeting and crucially, no noise is picked up on the input audio to the microphone.

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:

- Integrated USB charging
- 5-way Electronic Voting
- Card-Reader
- Biometric Fingerprint Recognition
- Channel Selector
- LCD Display (not on basic unit)



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# Dual Interpreter UNIT



## The Diplomat Dual Interpreter Unit (DAIU) complies with IEC914 and related international standards for interpretation equipment.

It comes with 2 lots of the same functionality on either side for either interpreter as well as a pluggable gooseneck microphone slot, loudspeaker and universal interpreter's headset connection on either side. In addition to this, the unit has a shared LCD display.

Each interpreter has the option to control the volume, bass & treble of the incoming audio in addition to the PTT button, which has a 'cough' button near it that temporarily mutes the input when hold-pressed.

Interpreters can either use a special shorter 20cm version of the DM-1 series gooseneck microphone to speak into plus headphones, which connect into a PC-standard colour-coded 3.5mm headphone jack at the front of the unit; or they can use the same connection interface at the front of the units to connect a headset with a boom mic, by plugging in the mic output of the headset into the PC-standard colour-coded 3.5mm microphone jack.

As the DAIU connects to the Diplomat digital network, any one interpreter desk has the option to set the input audio as any one of 5 'Relays' (languages) on the network. Each interpreter position has the option to

configure their own personal input as either 'Floor' or 'Relay', by an easily switchable push-button. Additionally, quick access buttons for the outgoing

There are multifunction buttons underneath the LCD display, which can reconfigure certain parameters in the unit, for technical/engineering usage.



language of the desk can be easily set if required.

The idea is that new digital interpretation systems should be able to offer total flexibility no matter what the requirements of the different language patterns are within a multilingual conference, and the Diplomat Interpreter Units have been designed with just that in mind, with over 40 years of experience in the industry.

The same silent button design has been used on the DAIU as in the Diplomat Microphone Units, ensuring pristine sound quality, comfort and operation during long sessions on an interpreter desk.

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# Interpreter HEADSET



The high-quality speakers deliver rich stereo sound, enabling perfectly natural sound reproduction when listening to voices in particular. When speaking into the mic, it filters out ambient noise, achieving noise cancelling clarity so that speech is clear and precise.

The headsets are on-the-ear, open acoustic design and have a 3m cable terminating in 2 x 3.5mm jack sockets. They come as standard in business black but are available with the usual customisation in colour and print, exclusively from Auditel.

**The DHSM-2 is a professional interpreter's headset with boom mic, designed for use with the DAIU dual interpreter unit. The headset is constructed to withstand heavy usage, with a fully adjustable headband as well as boom arm.**



☑ **Whilst being rugged and durable, the DHSM-2 is extremely lightweight, meaning that it is comfortable for long duration use.**

## SPECIFICATION

### Headset

- Impedance 32  $\Omega$
- Frequency response (headset) 40 - 18000 Hz
- Sound pressure level (SPL) 109 dB
- Ear coupling on-the-ear, open acoustic design

### Microphone

- Impedance 2k  $\Omega$
- Frequency response 80 - 15000 Hz
- Sensitivity as per 121 TR 9-5 -38 dBV/Pa
- Pick-up pattern noise cancelling

## FEATURES

### Headset Attributes

- Colour Black
- Wearing style Headband
- Connector 2 x 3.5mm
- Cable length 3 m
- Weight 90g

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# Listening POST



**Auditel's unique digital technology means that it can offer an unrivalled digital distribution system through fully-digital listening posts.**

As the incoming audio is digitised from the head of the microphone, top-down, it means that it is transported in flawless sound quality. Because the Listening Post is a component part of the Diplomat DCIS, the distribution of audio across the network has no analogue stage in between, offering zero-latency & no outside noise. This means that the full quality of the audio that enters the microphone head, can enter the ears of a meeting attendee listening to either the floor language or any interpreted language, delivering without lossy compression, and without influence from external factors like noisy mains cables.

Up to 64 HQ audio channels can be distributed using data encryption & looping, through zoned CAT5e commodity network cabling topology with redundancy for secure & reliable operation.

A small LCD is provided on the digital Listening Post, allowing language channels to be selected by name, not just by number.

Meeting participants are greeted by the same silent button design as on the DAIU and DMUs, and can also benefit from built-in USB charging from the panels of the Listening Posts.



The Diplomat Listening Post is available in the popular seatarm panel option, or any other custom panel-mount unit at your request (colour / shape / size).



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# Central Control UNIT

The Diplomat Central Control Unit is the heart of the DCIS, acting as the controller for both the interpretation system and the conference system.

It can power up to 4,000 units, and is available in a version that powers 40 units, 80 units and 120 units, respectively. Additional Power Supply Units can be fitted for further expansion.

It has 6 zones (3 loops & redundancy) connected over RJ45 as well as 2 x Auxiliary Inputs and 2 x Auxiliary Outputs, plus control over Ethernet for connection to an ACCS-D configured Auditel Computer.

The front panel boasts a full control interface with backlit LCD, rotary dials and menu functions as well as talkback input and a monitor loudspeaker for 'Operator' control.

## SPECIFICATION

### Central Control Unit

- System power: 48V, 0,22A
- 64 digital audio channels: 48kHz, 24bit
- Configurable zones
- Encryption (AES-128)
- 2x balanced audio OUT (adjustable up to +6dBu, THD+N: 86 dB)
- 2x balanced audio IN (min.: -50dBu, max.: +12dBu) - 'Aux In 1' can be configured as effects loop



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# AUDiTEL Conference Control System ACCS



The main display shows screen mimic, chairman, list of delegates, current speakers, previous speakers, requests, withdrawn requests, the agenda time and speech time.

## FEATURES

- Test microphone utility
- Touch screen operation (with appropriate hardware)
- Delegate editor to enter delegate's name, party, speaking rights, voting rights, microphone number and card number
- External wall display that can show chairman, current speaker, future speakers, agenda items, date and time, speech time, general messages and vote results
  - There is a choice of colours, font and background image for this display
  - Choice of vote displays on incl. bar chart, pie chart, text view, list and mimic view
  - Vote displays can appear on main display instead of secondary display
- Integration with camera systems, so camera zooms automatically to the live speaker
- Integration with fingerprint recognition systems (with appropriate hardware)
- Messages can be sent to LCD displays on the delegate unit
- Network operations - as well as the PC directly connected to the controller, the network can support remote PCs from which the meeting can also be controlled
- Vote results can be sent to another computer via FTP (2)
- Speech timer - time easily set
- Agenda item timer that is always visible

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## ADDITIONAL FEATURES

- Division Bell timer
- Automatic printout and save to disk of vote results
- Automatic journal log and audit log of meeting
- Size and shape of delegate units can be changed
- The whole mimic can be rotated or a mirror image created
- Separate Mimic Maker program to create screen mimic
- Delegate units can be any size and orientation
- Separate Configuration Editor so all operational parameters can be easily changed
- Background picture on the screen mimic, secondary mimic and external wall display
- Separate utility for video switches for plasma screens

## NETWORK FEATURES

- List of delegates created/edited in separate registration program on PC that is networked to the main operator's PC. This registration has the following features;
- Runs over the network
  - Changes of parameters can be made to a single delegate or group of delegates
  - Delegates can be sorted by mic number, card number or surname
  - Delegates can be marked present or absent (absent being effectively disabled)
  - From speaking or voting - this change is automatic on the operator's PC
  - Changes automatically saved to database file
  - When editor closed, operator's PC prompted to reload delegates
- Separate voting program on networked PC, that can start a vote via the main operator's PC

## FOREIGN LANGUAGES

- Spanish and Russian versions of ACCS have been produced using a special language file
- All text on the main displays, in dialog boxes and reports is translated



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# Delegate HEADPHONES



The headphones are constructed to screw fixed ball joints to provide perfect ear contact.

The impedance is matched to the Auditel channel selectors and receivers for favourable volume control characteristics.

The headphones have a single entry captive cable with a 3.5mm jack plug.

**The DHS-1L are lightweight conference headphones for use in simultaneous interpretation systems with wired language channel selectors or infrared pocket receivers.**



✓ The DHS-1L headphones have high dynamic expansion drive nuts which provide natural sound reproduction.

## PERFORMANCE

### Headphones

- Type
- Impedance 60  $\Omega$
- Frequency response (headset) 100Hz - 11kHz
- Nominal SPL 90dB  $\pm$  4dB
- Rated power input 30mW
- Max. power input 100mW
- Weight 90 gms.

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Our customers have come to rely on the quality, efficiency and exceptionally high levels of service we provide, as we tailor all installations to the customer's exact requirements using our flexible hardware and software solutions.



## Time you 'took charge'? Do, and enjoy your tea.

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