



- Central control unit providing power for 50 (DSC50) or 100 (DSC100) delegate units with built in loudspeakers. Higher and lower capacity versions available within the same chassis arrangement
- Maximum units supported (with auxiliary power supplies) - 256 units. Fault protected
- Configuration and system monitoring via 2x16 backlit LCD and 5-button menu system. System status "Alert" LED
- Front panel monitor loudspeaker and level control. Tri-colour LED for output level indication
- Four zone connectors – bayonet locking DIN type (more with auxiliary power supplies)
- Auditel equipment are manufactured to conform with ISO2603, ISO4043, IEC914, IEC764, DIN45589 and DIN455484
- One Auxiliary Input XLR - balanced and configurable for mic/line level. With level control and tri-colour LED level indicator. Optional chairman's Priority feature. This option and the gain is set via DIL switches on rear panel – no need to open unit to set jumpers
- Loudspeaker Input XLR – balanced, line level. Int/Ext switching via rear panel DIL switch. A compressor is incorporated in the input stage, primarily to protect the system from power overload under extreme continuous signal conditions – e.g. feedback
- One Auxiliary Output XLR – balanced, line level
- PA Output XLR – balanced, line level. With associated level control and tri-colour LED indicator. Unit can accept frequency shifter module (enabled via the menu system)
- Tape I/O connector. DIN type. Record/Playback switching via the menu system
- 9-way serial I/O connector – intended for direct connection to a laptop running Auditel's ACCS-S software.

Technical Data

FEATURES

Rack Mounting or table top versions
LCD Display for Function Select and Status Display
Non volatile EEPROM memory for parameter storage
Built in monitor Loudspeaker with level control
Auxiliary Processing Module (Optional)

MAINS SUPPLY

Voltage: 115 or 230VAC $\pm 10\%$ (switchable)
Frequency Range: 50-60Hz
Switching: Double Pole Rocker Switch (Front Panel)
Protection: Input fused
Power Consumption: 300VA at rated output
Connector: IEC320 3-pin

DC OUTPUT $\pm 15V$

Max. Current: 3A
Overcurrent limited
Short circuit protected (with operator alert)
Over temperature protected (with operator alert)
Reverse EMF protection

AUX INPUT

Connector: 3-pin female XLR socket
Type: Electronically balanced
Sensitivity: 0/-20/-40/-60dbu nominal (switch selectable)
Input Impedance: 20kW (differential)
Frequency Response *: 75Hz-30kHz (-3dB)
Signal to Noise *: 68dB(A) (-60dBu sensitivity range)
Distortion *: 0.1% @ 1kHz
Headroom *: 27dBu
Adjustment: Rotary control on front panel
Level Indication: Tri-colour LED
Priority Gating: Switch selectable
Phantom power: Via optional module
* With respect to Auxiliary Output

TAPE INPUT

Connector: 5-pin 180° DIN
Type: Single Ended, 2-channel (stereo)
Sensitivity: 0dBu (775mVRMS) nominal
Input Impedance: 100kW (per channel)

L/S INPUT

Connector: 3-pin female XLR socket
Type: Electronically balanced
Sensitivity: 0dbu (775mVRMS) nominal
Input Impedance: 50kW (differential)
Adjustment: Rotary control on front panel
Level Indication: Tri-colour LED
Source Selection: Switch selectable

AUX OUTPUT

Connector: 3-pin male XLR socket
Type: Electronically balanced
Level: 0dBu (775mVRMS) nominal
Load Impedance: 600W min.

PA OUTPUT

Connector: 3-pin male XLR socket
Type: Electronically balanced
Level: 0dBu (775mVRMS) nominal
Adjustment: Rotary control on front panel
Level Indication: Tri-colour LED
Load Impedance: 600W min.
Auxiliary Processing Module: Optional

TAPE OUTPUT

Connector: 5-pin 180° DIN
Type: Single Ended, 2-channel (stereo)
Level: 0dBu (775mVRMS) nominal
Source Impedance: 10kW (per channel)

ZONES

Connector: 7-pin shielded DIN, latching type
Number: Four
Maximum Loading: 35 (DSC50) or 70 (DSC100) divided evenly between each zone

SERIAL I/O

Connector: 9-way Female "D-type"
Interface Method: RS232C at 9600 Bd
Protocol: Proprietary

PHYSICAL

Dimensions (WxDxH): 485x430x90mm (19"x2U) - uncased
Weight: 8.25kg
Enclosure: Mild Steel, zinc passivated/painted

Architects and Engineers specification

The central controller shall be a 19" rack mounting unit or with option for free standing. It can control up to 256 units & include a power supply for 50 units (DSC50) or 100 units (DSC100), auxiliary power supplies APU100E (for 100 units) & APU200E (for 200 units) can be used as required. The unit shall have four zone connectors bayonet locking DIN type, a 2x16 backlit LCD and 5 button menu system provides system configuration and monitoring, and a system status "alert" LED. It shall have one auxiliary input XLR balanced and configurable for mic/line level, with level control and tri-colour LED level indicator, this can be set so as to be subject to chairman's priority (this option and the gain is set via DIL switches accessible from the rear panel). It shall have a loudspeaker input (XLR connector), balanced line level int/ext switching via rear panel DIL switch, and one auxiliary output (XLR connector) balanced line level, a PA output (XLR connector) balanced line level, with associated level control and tri-colour LED indicator. The unit can be fitted with the Auditel FS-5 frequency shifter module, which is then enabled/disabled via the menu system. A tape Input/Output connector (5 pin DIN type) Record/Playback switching via the menu system. A 9-way serial I/O connector for the direct connection to a laptop running a version of the Auditel ACCS-S Conference Control Software. It shall have front panel monitor loudspeaker and level control, tri-colour LED for output level indication. Meets IEC914 & DIN45589 standard.

We reserve the right to vary the specification without notice in the interest of product improvement.

