

PARROT

BROADCAST AUDIO DISTRIBUTOR



1X8 BROADCAST AUDIO DISTRIBUTOR

- Unbalanced / Balanced audio distributor
- 1 mono input to 16 mono outputs
- 1 stereo input to 8 stereo outputs
- Hardware by-pass
- Adjustable single output levels
- Built-in test tone generator

PARROT

PARROT is a high performance audio distribution amplifier with one stereo input and four stereo outputs.



MAIN FEATURES

Parrot has many applications, in radio and tv studios, in master control room or transmitter site, editing rooms or where multiple loads (transmitters, amplifiers, recorders, etc) must be fed from a single audio source.

PARROT features both XLR balanced and Pin Rca outputs for an easier connection to either professional or consumer's equipment. Outputs are individually buffered so that a short circuit occurring on one pair of connectors (either XLR or Pin) will not affect the others outputs. Audio input is always via XLRs.

Using internal jumper settings, Parrot can be easily configured as distributor with 1 mono input to 16 mono outputs, or 1 stereo input to 8 stereo outputs. Alternatively, given a stereo input, Parrot can output both mono and stereo signals, depending on the individual setting of each output pair.

Each balanced output stage incorporates high-current line drivers capable to always deliver optimal signals to a number of locations even down long cable runs and with lo-load impedance.

Expressly designed for broadcast applications, Parrot features an hardware bypass (via relay) which connects the Input pair to the Output 1 XLRs in case of AC power failure or whenever the unit is unintentionally turned off. This avoid any audio interruption in the transmission chain.

The electronically balanced stereo input features individual left/right level controls with two bi-color LEDs enabling quick recognition of input status (no audio, audio ranging between - 6 and + 3 dBm or audio higher than + 3 dBm dB).

Each of the four output groups also incorporate left/right level controls via recessed trimmers on the front panel.

Parrot is very easy to install and to operate. A '0 dB gain' mode can be selected for each output channel via front panel accessible slide switches. For fine calibration of the outputs, the source signal can be replaced by an internal 1kHz/0 dB oscillator.

PARROT TECHNICAL SPECIFICATIONS

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AUDIO INPUT

Number of inputs:	1 electronically balanced
Connectors:	XLR
Input impedance	600Ω / 10KΩ (selectable)
Nominal Input level:	0 dBm
Max input level:	+ 20 dBm
Input Mode:	Mono / Stereo (selectable)
CMRR:	> 80 dB typically at 1 kHz

GENERAL DATA

Power Supply:	220 / 110V +/- 10 % 10VA
Dimension:	434x351x44mm (1 rack unit)
Weight:	around 4 Kg

AUDIO OUTPUT

Number of indep. output groups:	4
Connectors:	8 XLR (el. bal) + 8 PinRca
Nominal output level:	0 dBm
Max output level:	+20 dBm (with 600 Ohm load)
Output impedance:	50Ω
Frequency Response:	20Hz to 100kHz +/- 0.1dB
Overall Gain Range:	42 dB
THD + Noise:	0.005% @ 1kHz
Output:	Mode Mono / Stereo (selectable for each group)
Crosstalk:	< -80 dB @ 10kHz, 0 dBm out
Noise:	< -80 dBm (DIN Audio)
Reference output tone:	1 kHz, 0 dB

PARROT ORDERING INFORMATION

Code:	Model:	Description:
A110030000	Parrot	Analogue audio distributor, 1x8 Stereo, bal. stereo IN on XLR, 4 bal. stereo OUT on XLR with independent level adjustment, 4 stereo OUT on PIN-RCA. HW bypass. Rack 19" 1u. Power supply 230/115Vac.

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