

DAL-1000

**POINT –POINT DIGITAL AUDIO LINK IN
ISM* BANDS (EUROPE, AMERICA AND
ASIA AVAILABLE)**



DESCRIPTION

- The DAL-1000 audio link is a stereo audio point-point link.
- Designed and manufactured by WAVENET, it has been created to make easier the connection from one point to other one fast and nimble way. It is no required administrative process, considering that it works in ISM* bands.
- This system is perfect for replacement of point-point links from studios to broadcasting centers without obtaining administrative license.
- Just with 100 mW power output, it is able to connect distances up to 25-30 km , transmitting and receiving L and R in broadcast quality.

Simplicity both in use and installation, adding to working in ISM* bands, make of this equipment a nimble, versatile and non-complexity solution.

DAL - 1000

TECHNICAL SPECIFICATIONS

RADIO

FREQUENCY: 860 MHz - 915 MHz... ISM* bands
 10 SELECTABLE CHANNELS
 MODULATION: FDMW1
 ERROR CORRECTION; REED - SOLOMON FEC
 SYNTHESIZER RESOLUTION: 4.7 Hz
 SPURIOUS EMISSIONS: Complying with the ETSI specifications ETS 300 454
 DATA RATE: 400 kbps

ADJACENT CHANNEL REJECT: 60 d
 LOCKING: 75 dB with 1 MHz
 NOMINAL AND PEAK DEVIATION: 250 kHz
 OUTPUT POWER: 100 mW (others under demand up to 1W)
 OUTPUT/INPUT IMPEDANCE: 50 Ω
 Rx SENSITIVITY: -100 dBm for packet error rate $< 5 \cdot 10^{-4}$
 COMPLYING ETSI, FCC AND ARIB

AUDIO

AUDIO OUTPUT / INPUT: Line, 600Ω L/R Balanced
 AUDIO BANDWIDTH: 20 Hz / 20 kHz
 DISTORSION: $< 0,3\%$
 CODING: WAC 256 kbps

SAMPLING FREQUENCY: 48 kHz
 SNR: > 85 dB
 AUDIO OUTPUT LEVEL: +10 dBm max.

GENERAL

INPUT POWER CONNECTOR: XLR4, male
 POWER ON SWITCH
 CHANNEL SELECTOR
 POWER: 12 VDC, 200 mA
 AUDIO MONITOR ON FRONT PANEL
 STEREO JACK ¼"
 ANTENNA CONECTOR (Tx & Rx): N Type

AUDIO CONNECTORS Tx: XLR3 female
 AUDIO CONNECTORS Rx: XLR3 male
 ALUMINIUM BOX
 DIMENSIONS (unit): 300 x 145 x 40 mm (½ rack)
 WEIGHT (unit): 700gr.
 Tx INDICATIONS: Power on, Status, Peak L & R
 Rx INDICATIONS: Power on, Status, RSSI, Peak L & R

Specifications subject to change without notice



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