

ProDAB-2 Dual

Reference Dual Diversity DAB/DAB+/FM receiver
With MP3 & Web Radio player

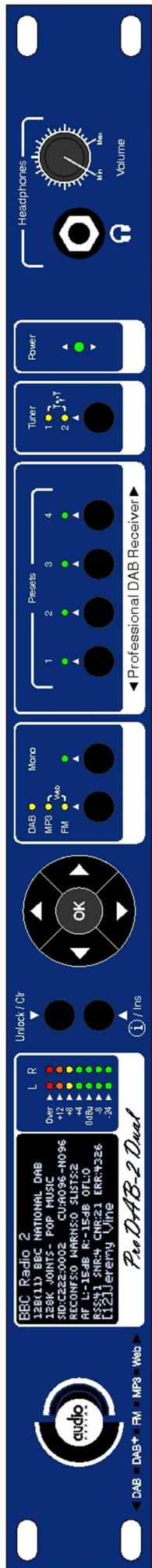


Monitor and Control with Confidence from Anywhere!

Specifically designed for professional applications where reliability is the key factor. The ProDAB-2 will not only transparently survive dynamic MUX reconfigurations, but also supports a full raft of functions that make this unit an ideal choice for mission critical applications. ProDAB-2 supports DAB/DAB+, FM & Internet Web Radio as well as MP3 Payout. Automatic "lockout" on front panel controls to prevent accidental changing of configuration. Built-in web server for control and status monitoring as well as live streaming of audio content.

Features:

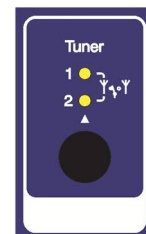
- Dual Balanced audio outputs on XLR with multi-turn preset adjustable level controls
- Dual AES3 digital output with adjustable sampling rates
- AES67 & Multicast Connectivity
- Support for DAB/DAB+
- Stereo FM Receiver
- MP3 stand-by play out with adjustable silence detect threshold
- Mono/Stereo configurable
- Full range of GPIO including selection of Presets/Profiles, Traffic Flag (FM) & Mono/Stereo
- 4 Front Panel Preset/Profiles – allows station or complete configuration selection
- RS232 output of RDS data and Service information (DAB/DAB+)
- LAN control and monitoring of status and audio via Internet
- Built-in web server
- FTP server for uploading MP3 files
- USB connection for USB flash drive (MP3 play out)
- Internet Web Radio Player
- Internet Icecast encoder (TBA)
- High resolution OLED display
- Head phone output with volume control
- Off-air confidence receiver
- SNMP, SNMP traps & RSSI/SNR monitoring
- Dual, Independent or Diversity Fail Over – DAB◀▶DAB◀▶Web◀▶MP3
- Internal Digital Reference Tone Generator for accurate output alignment



Select Mode



Confidence Metering & Display



Tuner & Diversity

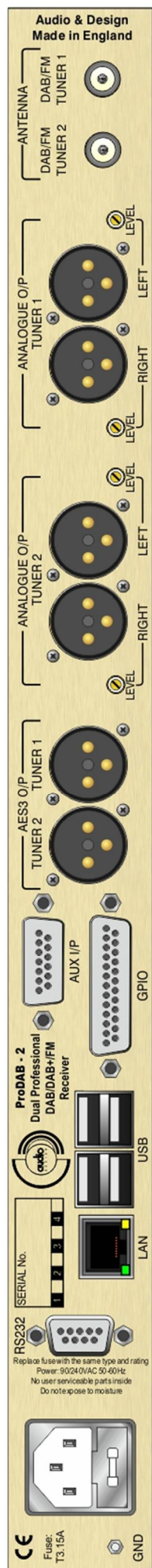
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SPECIFICATION



Audio Outputs:

Analogue audio: 3pin XLR – Balanced output level adjustable +18dBu to -2dBu ref fsd
Digital audio: AES3 3pin XLR menu adjustable sampling rates from 32kHz to 96kHz
IP audio: AES67 & Multicast Connectivity
Headphone: ¼ inch Stereo jack, output suitable of headphone of greater than 30Ω

GPIO: 25way D female, outputs open collector, inputs 5v 10kΩ

Inputs: Preset/Profile selection, Mono/Stereo

Outputs: RDS Traffic flag, Mono/Stereo

RS232: Output of RDS data and DAB service information.

LAN: Ethernet 10/100, supports static IP or DHCP.

Antenna: F-Type socket for Band-3/FM.

DAB/DAB+: ETSI EN 300 401 compliant receiver. All Modes (I, II, III, and IV) support.

FM: BS5942-2 / BS 60315-4

RF Input frequency range:

FM: 87.5~108MHz

Band-3: 174~240MHz

RF Sensitivity:

DAB/DAB+: 2.0µV BER = 10⁻⁴ typical

FM: 0.7µV SINAD = 26dB typical

Audio output DAB Band 3 (Transmitted algorithm dependant):

THD: 0.026 % typ.

SNR: 81dB typ.

Stereo separation: 53dB typ.

Frequency response: 20Hz-20kHz -3dB typ.

Audio output FM:

THD: 0.1% Mono typical

SNR: 60dB Stereo typical

Stereo separation: 45dB typ.

Frequency response: 20Hz-15kHz ±3dB typ.

Power: 90v – 240vac 50/60Hz

Size: 19 inch rack mounting 1RU x 212mm (8.35") deep.

Weight: 1.65Kg (net)

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