



DX-2 two channel true diversity receiver

Preliminary information

The New 2-channel true diversity receiver from Audio Ltd has some great features for ENG and documentary applications.

The 'twin' true diversity receiver is the world's smallest battery powered true diversity receiver which incorporates **2** true diversity receivers in a single compact package.

Some of the features include:

- Two true diversity receivers which can be operated individually if required.
- State of the art digital OLED display providing very detailed view of receiver status
- Display shows:
 - RF level and diversity switching
 - Audio level
 - Receiver battery status
 - Frequency and channel number
- Powered via 2 x AA LR6 type batteries providing a minimum of 2 hours (alkaline batteries) continuous use, or 4 hours (NiMh) rechargeable batteries
- External powering available via 7 pin screw-locking Binder connector (6 – 18V DC)
- LED indicators for no signal status and diversity switching for confidence
- Active balanced line level output with switchable attenuation
- Headphone output available on Binder connector with adjustable output level
- Nominal 24MHz switching bandwidth
- 3 Frequency modes to choose from:
 - 32 factory set frequencies
 - 32 User selectable frequencies
 - Manual tuning in 25kHz steps
- Two mode Scan facility to search for 'Free channel' or 'Active transmitter'
- Two SMA antenna inputs
- Simple-to-use menu structure using navigation switch
- Receivers can be switched ON/OFF independently to conserve battery power
- Menu 'Lock' feature to prevent accidental change of settings

1. DX-2 (DUAL) RECEIVER

Frequency Range	470 – 960MHz (specify at time of order)
Switching Bandwidth	Up to 24MHz in 25kHz steps
Number of Channels	2 (can be operated individually if required)
Receiver Type	True-Diversity (two independent RF sections with automatic switching of audio per channel)
Number of Factory Pre-set Frequencies	32
Number of User Selectable Frequencies	32 (selectable in 25kHz steps)
Modulation Mode	Wideband FM
Frequency Stability	±0.002%
Sensitivity	-95dBm (4uV) for 40dB SINAD
Image Rejection	> 80dB
Audio Frequency Response	50 – 18kHz ±2dB
Signal-to-Noise Ratio	>100dB (±45kHz deviation)
Total Harmonic Distortion	< 0.3% (±45kHz deviation, 1kHz)
Audio Output Voltage (balanced)	0dBV typical (±45kHz deviation, 1kHz)
Audio Output Attenuator	0dB, -12dB, -24dB, -36dB (selectable)
Monitor/headphone Output	30mW at 32Ω, adjustable
Output connector	Binder 7 pin
Battery Type	2 x 1.5V Alkaline LR6 AA size
Battery Life	2 to 4 hrs depending on battery type
	Audio Ltd recommend use of NiMh rechargeable batteries
External Supply Voltage	6 – 18V DC (200mA @ 12V)
Operating Temperature Range	-20° C to +55° C
Weight	196grams (without batteries)
Dimensions	63mm (W) x 139mm (H) x 20mm (D)
Accessories	<p>Flexible clear antennae straight</p> <p>Flexible clear antennae right-angle</p> <p>Output cable with two XLR connectors</p> <p>External Powering Output cable with 4-pin Hirose and two XLR connectors</p> <p>Monitor/Headphone output cable</p> <p>Other output cable types available on request</p> <p>Neoprene Pouch</p> <p>Camera Mount with hot-shoe attachment</p>



En2
DX2 twin channel true
diversity receiver



En2 TX pocket transmitter