

RBRX encore | RE-BROADCAST RECEIVER



The RBRX Encore delivers FM stereo separation that will have listeners raving.

OVERVIEW

- 2 DSP tuners now offer full diversity reception from both antenna inputs.
- The only truly analogue and digital rebroadcast receiver on the market offering HD, DAB & DAB+ upgrade options.
- Increased RDS Encoder capabilities with more monitor and decode facilities if you wish to use it as an analyser or monitor.
- Stream demodulated audio over IP so you can listen and make adjustments even when you're out of the coverage zone.
- Enhanced DSP audio limiter & stereo generator for even clearer sound quality.
- Upgraded audio backup facilities - MP3 & AAC files can be stored on internal or external USB sticks.

Power Requirements	
Voltage	100-240 VAC, 50-60Hz
Current	0.75A
Connector	IEC 60320 C14, with line filter
Power Supply	
Safety standards	Safety standards
EMC emissions	EMC emissions
EMC Immunity	EMC Immunity
Environmental Conditions	
Operating temp	0-50°C / 32 to 122°F
Humidity	0-90% RH, non-condensing
Size (inch)	19" W x 1.73" H x 9.84" D
Size (mm)	448.6mm x 44mm x 250mm
Weight	2kg / 4.4 lbs

Pulls in distant signals and re-broadcasts them with **amazing clarity.**

Interfaces

Ethernet	RJ45 connector, 10/100 Mbps
USB Host	2 x USB Type-A connectors
USB Device (VCP)	USB Type B connector
RS-232	DE-9 Female connector, up to 115200 baud
GPIO	4 x Digital Inputs, 4 x Digital/Analogue Outputs

Analog Inputs Left/Right Stereo

Connectors	2 x XLR Female
Input level	+24dBu max., +4dBu nominal
A/D Converter	24 bit, 192kHz

Analog Outputs Left/Right Stereo

Connectors	2 x XLR Male
Output level	+24dBu max.
D/A Converter	24 bit, 192kHz

Headphone Output

Headphone Output	6.35mm (1/4") TRS Jack
------------------	------------------------

Digital Input

Input	AES/EBU, XLR Female
	110 Ohm, Balanced, Transformer-isolated, EMI Suppressed
Reference level	TBC
Sampling	32-192kHz, 24 bit

Digital Output

Output	AES/EBU, XLR Male
	110 Ohm, Balanced, Transformer-isolated, EMI Suppressed
Reference level	TBC
Sampling	

FM Tuner

Input	50 Ohm, BNC Female
Tuning range	65-108MHz in 50kHz or 100kHz steps
IF bandwidth	56kHz, 64kHz, 72kHz, 84kHz, 97kHz, 114kHz, 133kHz, 151kHz 168kHz, 184kHz, 200kHz, 217kHz, 236kHz, 254kHz, 287kHz, 311kHz
Deemphasis	75us, 50us or Off
SNR (Mono/Stereo)	-79dB / -60dB
THD (Mono/ Stereo)	0.011% / 0.16%
Separation:	45dB
Adjacent channel rejection	70dB
Alternate channel rejection	74dB

DAB Tuner

DAB Tuner	50 Ohm, BNC Female
-----------	--------------------

Input

Composite Inputs

Supports MPX/SCA	
Connectors	2 x BNC Female
Input level	+12dBu max.
A/D Converter	24 bit, 192kHz

Composite Outputs

MPX Stereo Generator	
Female	2 x BNC Female
Output level	+12dBu max.
D/A Converter	24 bit, 192kHz

