



# RBRX1 | Re-broadcast Receiver

RX1 RBRX1

The RBRX1 applies BW Broadcast's RF and audio DSP technology to achieve unprecedented RF and audio performance, as well as access to typically hidden RF and audio settings. This allows optimisation of the listening experience for monitoring to adjust processing, evaluating the competition, or pure pleasure.

Add the multitude of IO and control and the RBRX1 is like no other re-broadcast receiver. If you have a critical translator/relay you need an RBRX1.

- Adjustment of over 50 parameters
- Control of blending levels and attack & release times
- Factory presets and user stored settings
- Ethernet and serial connections for remote control
- DSP enhanced MPX output
- RDS PI code checking to prevent hijacking or jamming of repeater
- Silence detection and source switching technology
- 2GB of internal audio backup
- Built-in RDS encoder

## RF PERFORMANCE

Frequency Range 87.5 to 108.5MHz

Dynamic range 100dB

Multi-processor architecture 100MHz

RF noise floor -120dBm

RF selectivity 100dB

RF AGC 100dB

Carrier-to-noise 100dB

Dynamic range 100dB

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## ANALOG OUTPUT

Analog output -12 to +24dBu

Connectors XLR floating, EMI suppressed

D/A conversion 24 bit 48 kHz 128x oversampled

## DIGITAL OUTPUT

Sampling rate 32kHz, 44.1kHz, 48kHz

Connector XLR floating, EMI suppressed

## CONNECTIVITY

Remote interface Ethernet (web browser) and RS232

Antenna socket BNC

## OTHER

Mains Supply 110-240 VAC

Power Consumption 8 Watts

Power-on delay 6 seconds

Size 44mm x 482mm x 200mm

Weight 1.6kg

*“We are shocked with the difference in performance and in reception with the RBRX1 compared to our previous receiver. I don't know what little magic is going on in there to make the reception so much better, but I'm a fan.”*

Chief Radio Engineer, USA

