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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>87.5 to 108.5 MHz</td>
</tr>
<tr>
<td>Many receiver manufacturers quote static specifications based on ideal conditions. With the RBRX1, the inner ‘black box’ workings of the NXP DSP demodulator are proprietary.</td>
<td></td>
</tr>
<tr>
<td>With its patented Sony noise reduction and BW Broadcast’s audio processing technologies, the RBRX1 is continuously adjusting the radio and audio behaviour for optimum performance under given conditions.</td>
<td></td>
</tr>
<tr>
<td>For these reasons, specifications are meaningless and have been omitted here. Audio performance and selectivity are market leading.</td>
<td></td>
</tr>
<tr>
<td>We advise customers to conduct their own evaluations - a demonstration of this renowned award winning rebroadcast receiver is recommended.</td>
<td></td>
</tr>
</tbody>
</table>

**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