

# AARON 650

## Premium FM Rebroadcast Receiver



AARON 650 is a totally-new FM rebroadcast/translator receiver built to handle the most challenging reception scenarios. Boasting sensitivity and selectivity superior to even the most elite professional or consumer radios, AARON 650 combines premium features with unparalleled receiver performance.

AARON operates in either a composite pass-through or composite-regeneration mode. Composite pass-through eliminates retransmission delay (latency), and composite-regeneration provides the ability to completely reconstruct your baseband signal for lower noise, and even alter your RDS messaging prior to rebroadcast.

Rear-panel connectors provide dual 50 Ohm (N) antenna inputs, dual adjustable Composite outputs, Balanced Analog and AES-digital audio outputs, plus IP access for web-based remote control and monitoring. Rear-panel and self-logging alarms constantly check for Audio Loss, RF Loss, and RDS Loss (or 'hijacking'). Advanced notifications alert personnel with e-mail or sms messaging when any or all of the the alarms occur.

The front panel displays left and right audio metering, local LED alarms, and an LCD screen with jog wheel for advanced control and editing of all operating parameters. Failover audio backup is provided via a front-panel SD Card or web-stream should your signal go down.



# INOVONICS AARON 650 RECEIVER

AARON 650's "responsive" Web interface allows complete setup, listening, logging and control of the unit from your PC, tablet or smartphone, and reliable 2-way connectivity is ensured with a built-in Dynamic DNS utility. Advanced off-air metering tools include an FM BandScanner and FFT of the MPX region. Reception bandwidth, auto-blending and many other receiver parameters are controlled via manual or automatic reception processing.

## FEATURES

- **Unparalleled DSP-based receiver performance.**
- **Composite Pass-Through and Baseband Regeneration modes.**
- **Dual Antenna and Composite Outs, Balanced Analog and AES-Digital Program Line outputs.**
- **Active reception processing for Bandwidth, Stereo Blend, HF Blending and Multipath Mitigation.**
- **Advanced metering includes an FFT Spectrum Analyzer for the MPX, Left/ Right XY plots and audio levels over time.**
- **Built in BandScanner for local RF Spectrum Analysis.**
- **Local alarm tallies plus self-logging alarms constantly check for Audio Loss, RF Loss and RDS Loss.**
- **Failover audio or web-stream backup.**
- **Remote control web interface and listening + email and text notifications.**
- **SNMP remote monitoring and control.**



Rear Panel



AARON 650's "responsive" Web interface allows remote control, monitoring and even listening from a variety of mobile and desktop devices.

