AARON SERIES | REBROADCAST RECEIVERS

INOVONICS BROADCAST

AARON 655

CORE FEATURE SET

- ✓ Unparalleled 'Software-Defined-Radio' (SDR) Receiver Performance
- ✓ Tuning Range 65.0MHz - 108.0MHz
  *AARON 655 [87.5MHz - 107.9MHz]
- ✓ Balanced Analog and AES-Digital Program Line Outputs
- ✓ Synchronous, Low-Latency (≤ 2.4 ms) Off-Air Composite / MPX Output
- ✓ Local Alarm Tallies Plus Self-Logging Alarms
- ✓ Remote Control Web Interface with Live Listening, Email & SMS Alarm Notifications
- ✓ 50 Ohm "N" Antenna connector

- ✓ Includes "F" to "N" Connector Adapter
- ✓ BandScanner for Onsite RF Spectrum Analysis
- ✓ Dynamic Web Interface
- ✓ Web Page Streaming 32k, 64k, 128k MP3
- ✓ Full SNMP Monitor / Control
- ✓ Network Port for Control & Monitoring
- ✓ Headphone Jack - 1/4" Front Panel (TRS)
- ✓ Left / Right Analog and AES Output < 2.4 ms
  *AARON 655 [< 4.5 ms]
- ✓ Composite Safety Clipper

- ✓ Test Tone Generator 20Hz - 20kHz Adjustable Level
- ✓ Composite / MPX Output (BNC), adjustable 1V p-p and 6V p-p for ±75kHz carrier deviation
- ✓ Analog Line Outputs adjustable between -20dBu and +18dBu
  *AARON 655 [-12dBu to +18dBu]
- ✓ Digital AES3 Line Outputs adjustable between -30dBFS and 0dBFS
- ✓ Digital AES Sampling Rate

AARON 640	AARON 650	AARON 655
48 kHz	32 kHz, 44.1 kHz, 48 kHz	44.1 kHz

ADDITIONAL FEATURES	AARON 640 FM REBROADCAST RECEIVER	AARON 650 FM REBROADCAST RECEIVER	AARON 655 FM/HD REBROADCAST RECEIVER
Composite Pass-Through < 250us	✓	✓	–
Active Reception Processing for Bandwidth, Stereo Blend, HF Blending, and more	✓	✓	–
Dual Antenna Inputs ("N" connectors)	–	✓	–
Dual Composite / MPX Outputs ("BNC" connectors)	–	✓	–
FFT Analyzer for the Composite Baseband, Left / Right XY Plots, Audio Levels Over Time	–	✓	–
RDS Message Logging via USB Port to a Local PC for Proof of Play	–	✓	–
Failover Audio Backup via SD CARD	–	✓	–
Failover Audio Backup via Web-Stream	–	✓	✓
Failover Audio Backup Analog / Digital Input	–	✓	✓
Composite / MPX Regeneration	–	✓	✓
Built-in RDS Encoder	–	✓	✓
RDS Messaging Can Be Altered and Modified for Rebroadcast	–	✓	✓
Receives HD Radio 1-8 as Program Source	–	–	✓
3 Band Complete Audio Processor / Stereo Generator	–	–	✓
HD Pad Data converted to RDS	–	–	✓
Stream Pad Data converted to RDS	–	–	✓
Accepts Streaming Audio as Input	–	–	✓
Accepts Analog Audio as Input	–	–	✓
Accepts Digital Audio as Input	–	–	✓

CE
EN50081-1
EN50082-1
93/68/EEC

RoHS
2002/95/EC

SIZE AND WEIGHT
(1U) H: 1¾" / 44mm | W: 19" / 483mm | D: 9½" / 240mm
Weight: 9lb / 4kg

ENVIRONMENTAL
32°F/0°C to 122°F/50°C | 10,000ft / 3048m
0-95% non-condensing relative humidity

AC MAINS VOLTAGE
90 - 240 VAC