XDS-AMR

AM/FM/HD Audio Monitoring Receiver

The XDS-AMR AM/FM/HD Audio Monitoring Receiver allows users to remotely monitor four AM/FM/HD signals simultaneously. Users can remotely listen to live audio streams through the Internet. The unit has a 128 GB solid-state drive (SSD) & can record & archive the audio for over six months per signal. It can also transfer the recorded content to a configured cloud server. Through its web interface, users can request snippets of recorded audio (air checks) to listen to & verify that content was aired. The XDS-AMR can detect silence & poor signal conditions & send email & SNMP alarms. It can also be centrally managed by the XDS Content & Network Management System to provide off-air play verification & spots or programs using ATX's watermarking technology.

Patents Pending

XDS-AMR
(front view)

Applications

- **Live AM/FM/HD Audio Monitoring:** Via IP streaming through the Internet
- **Audio Archiving:** Record & store audio locally & remotely
- **Verification of Ad Play:** Detects & reports when commercials are aired
- **Silence & Level Monitoring:** Monitors & alarms silence & level issues on AM/FM/HD

Features

- Four AM, FM & HD tuners
- HD radio compatible
- 128 GB of solid-state storage
- 10/100/1000 BaseT Ethernet port
- DHCP, HTTP, FTP, TELNET, SSH, SMTP & SNMP
- Encodes & records tuned audio in MP3 format
- Records content on its local storage for up to six months per station
- Can send recorded content via FTP to multiple cloud locations
- Live audio monitoring via web interface
- Adjustable silence detector that can be configured to send email alerts
- Detects XDS watermarks to identify commercials or other content
- Local web page control or remote control via XDS
- In-field firmware upgradable
- Cost-effective

AM/FM/HD Monitoring and Verification

Standalone Monitoring

- Radio tuner - tunes to 4 AM/FM/HD signals simultaneously
- Audio logger for air checks – records content in its storage for up to 30 days
- Audio streamer - streams tuned AM/FM/HD audio via IP/Internet
- Silence Monitor – sends alerts when silence is detected
- Web interface to manage device and recorded content

Play Verification and Monitoring with XDS

- Fully managed by the XDS Off-air play verification monitor identifies spots or programs and reports them back to the XDS for true play-out confirmation
- XDS provides verification affidavits for networks and stations
- Recorded air checks for specific time range can be requested though its webpage or the XDS
- Silence Detector – sends email when silence is detected

XDS-AMR (rear view)

AMR Module for XDS-PRO

- The AMR module is optional for XDS-PRO1 & XDS-PRO4 receivers
- Gives all the advantages of the XDS-AMR but in one unit

ATX | XDS-AMR

NOTE:
Module must be added during manufacturing

Specifications

ATX | XDS-PRO4   **ATX | XDS-PRO1**

XDS-AMR

INPUT TYPES	AM/FM, FM HD, or Baseband
NUMBER OF CHANNELS	4 Stereo, Independently Configurable
STREAM MONITOR CONNECTOR	DB-9 Female Single-ended, 1.8 vpp Max., 60 Ω (Sample Rate 48 kHz), Baseband
FM/HD ANTENNA INPUT	F-female Connector, 75 Ω, 87.9 MHz to 107.9 MHz
AM ANTENNA INPUT	F-female Connector, 75 Ω, 540 kHz to 1710 kHz
ETHERNET CONNECTOR	RJ-45 10/100/1000 Base-T
AUDIO JACK	3.5 mm Stereo
POWER CONNECTOR	2.1 mm x 5.5 mm
DC POWER	12 VDC @ 0.91A, 11W
ENVIRONMENTAL	0°C to +50°C (+32°F to +122°F) (Operating Temperature) -35°C to +80°C (-31°F to +176°F) (Non-operating Temperature) 10-90%, Non-condensing (Relative Humidity)
AUDIO STORAGE	128-GB SSD to Archive over Six Months per Channel

Ordering Information

Part Number	Description
XDS-AMR	AM/FM/HD Quad Tuner Receiver
XDS-AMR-RKIT	Rack Mounting Kit
XDS-AMR- MOD	Module for XDS-PRO1R or XDS-PRO4R Receivers

XDS   RoHS COMPLIANT   HD Radio®

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