



RF-Series Product Line Option AM

Overview

RF-Series Product Line Option AM is an add-on for the professional digital radio monitoring and measurement receivers RF-DAB and RF-SE.

Specification

Common Features

- Stand-alone monitoring receiver for reception analysis and content verification
- NTP synchronization
- Field proven demodulator
- Browser based configuration and services decoding. No installation of software necessary.
- Multi-decoder configuration possible
- Proven long-term stability
- Firmware update via remote GUI
- Extendible to work with RFarchiver for long-term content logging

AM Decoder

- Decoding status
- Display of services
- Audio decoding of a single service
- Streaming of audio as AAC
- Full ensemble ADI output to Ethernet
- DCP/ADI output via Ethernet (including multicast support)

Remote Control

- Full remote control via Ethernet
- Browser-based user interface
- SNMP (Get, Set, Treewalk)
- Control via DCP/UDP

Advanced GUI

The advanced graphical user interface (GUI) is designed to provide the full experience of a modern and professional measurement device:

- State-of-the-art HTML5 technology
- No software / plug-in installation necessary
- Same browser based advanced GUI remotely and locally (if available)
- Touchscreen and mouse capability
- Adapts to different screen sizes

Options

Several options can be added to the standard version.

Local GUI and Audio (LGA)

The option LGA enhances the device for local monitoring via a connected touchscreen and one digital AES/EBU XLS audio outputs:

- Displayport / HDMI output
- Touch functionality via USB
- Local AES/EBU XLR audio output
- Requires ET2 option

Mask Measurement (MAM)

- Spectrum mask compliance

RF Measurements (RFM)

Either four window view or full screen display of diagrams.

Relevant measurement values are available on SNMP.

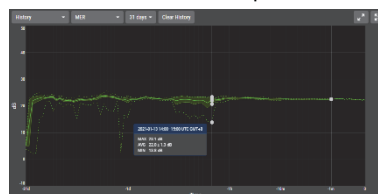
High quality measurements on various stages of the reception and decoding chain:

- Spectrum and spectrum waterfall
- RF input power (storable offset)
- Frequency offset
- Baseband power
- Modulation index

Long-term logging / analysis (LOG)

The option LOG provides all RF measurements and content information to be logged for 31 days:

- Display of measurements and statistics over time
- Time interval extension possible



IQ file logging / playback (IQF)

The option IQF provides RF input signal logging to IQ file as well as baseband file replay:

- Logging of baseband IQ to file
- Playback of baseband IQ files with all analysis possibilities
- Input and output streaming of IQ via UDP
- Playback of arbitrary sample-rate baseband WAV-files
- Extended storage (optional)

Alarm System (ALM)

The option ALM enhances the receiver to a flexible, multi-level, built-in alarm system:

- Configurable thresholds
- Measurements/content parameters, e.g. MER, input level, BER, audio level, single stream data rate, announcements, detailed data services parameter
- Monitoring on multiplex and subchannel level possible
- Alarm and status signaling via SNMP (Traps, Informs)

