

FM Digital Network Adapter



Description

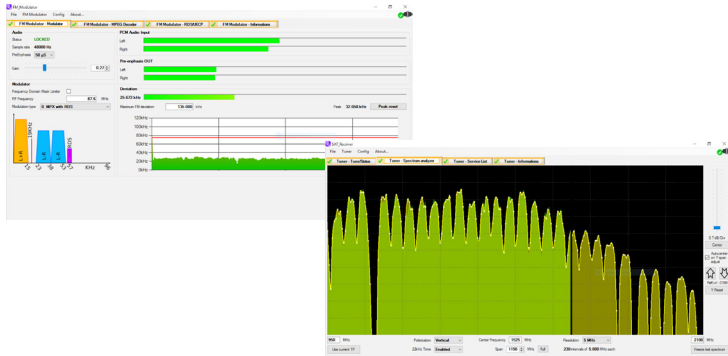


The **FM Digital Network Adapter** by *TRXInnovate* is intended for the “retrofitting” of existing analog FM stations, converting them into FM digital distribution stations in a quick and easy way.

This allows the broadcasters to protect their past investments, keeping their sites operational while re-converting the existing transmitters to the latest digital technologies, without having to get rid of the old analog stations (which can be “retrofitting” thanks to our technology) and without having to invest in new and expensive full-digital ones.

In order to support the highest number of existing analog stations, whose configuration can vary quite a lot, we provide a wide range of inputs and outputs, which are compatible with most existing systems.

Thanks to the integrated control platform, the whole transmitter network can easily be managed and configured remotely from a single place.



Key Features

INPUTS:

- satellite dish (DVB-S/S2)
- IP streaming (supports VLAN, UDP, UDP + error correction)
- direct ASI input
- GPS PPS for SFN synchronization

OUTPUTS:

- 0dBm RF FM modulated signal (embedded RDS coder, stereo coder, UECP demux)
- MPX 100 KHz modulated signal (embedded RDS coder, stereo coder, UECP demux)
- up to 4 synchronous audio decoders (SFN)
- up to 4 AES EBU digital audio outputs
- up to 4 balanced analog audio outputs
- up to 4 UECP demultiplexed outputs

General Specifications

Standard compliance	- Radio spectrum ETSI 300-384; ETS 302-018 - EMC ETSI 447; ETS 301-489 - Safety EN 60950 - EN 60215
Supply	- ≤ 100W @24V (depending on options)
Environmental data	- Operating range 0° to 60°C - Storage range -10° to 75°C
Dimensions	- 1Rack Unit

Internal Block Diagram

