

# DIGITAL NETWORK ADAPTER

TURN OLD ANALOG FM STATIONS INTO DIGITAL ONES

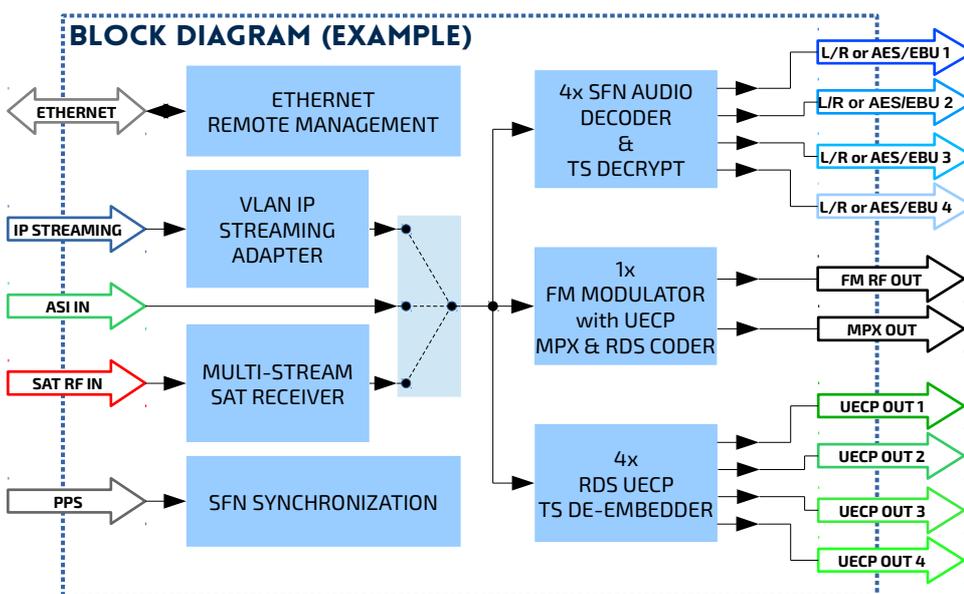


## INNOVATE WITHOUT WASTING RESOURCES

*The FM Digital Network Adapter by Tecnoroll allows the broadcasters to protect their past investments, keeping their sites operational while re-converting the existing transmitters to the latest digital technologies.*

That's because the FM DNA is intended for the "retrofitting" of existing analog FM stations, converting them into FM digital distribution stations in a quick and easy way without having to get rid of the old analog stations 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.



## FULLY EMBEDDED

Depending on hardware config.:

- FM digital modulator
- RDS coder
- MPX coder
- UECP support
- Multi-stream SAT receiver
- SFN synchronization
- VLAN IP streaming adapter
- Up to 4 audio decoder
- Up to 4 RDS, UECP TS deembedder
- Ethernet remote management

## I/O PORTS

INPUTS:

- Satellite dish (DVB-S/S2)
- IP streaming (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 out
- Up to 4 balanced analog audio out
- up to 4 UECP demultiplexed out

## CONTROL SW

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

