



ITEL IdMux is an audio and multimedia integration device for a DAB/DAB+ structure.

The system provide EDI/ETI output including Time Stamp for SFN.

In the same platform are available, as options, DAB/DAB+ encoders, they can receive the audio streaming of the stations, high-quality coding is available with latest **Fraunhofer** broadcast audio codec.

DAB/DAB+ MUX is totally web controlled, with a user friendly interface. The headend take the control of all processes, restart in case of crash and send email of alert.

Encoder include, as option, a 6 bands audio processor with loudness control as describe on ITU1770. Thanks to this is possible use the total 24KHz bandwidth.

- PAD Inserter for DLS, SLS etc
- N-PAD Inserter for EPG, TPEG etc
- TCP / UDP Input from external encoders
- ETI 2Mbit EtI out (option) E1/T1 Interface
- EDI Output
- DAB/DAB+ Sw Encoders with Fraunhofer codec for IP Stream
- UP to 32 Channels
- SNMP
- SMTP
- Dual power supply
- 6 Bands Audio Processor for every channel
- Redundancy (1+1 or n+1)

Technical features:

● Outputs

EDI unicast e multicast on IP network
ETI(optional) on E1/T1 interface

● SFN ready

● Codec DAB and DAB+

● Fraunhofer codec for IP Stream

● Samplerate

DAB 24, 48KHz
DAB+ 32 , 48 KHz

● Datarate

8 - 192 Kbit

● Interface

Two ethernet ports:
ETH1 for stream acquisition
ETH2 for stream EDI emission

● Remote control

Web interface pc / smartphone

● Software

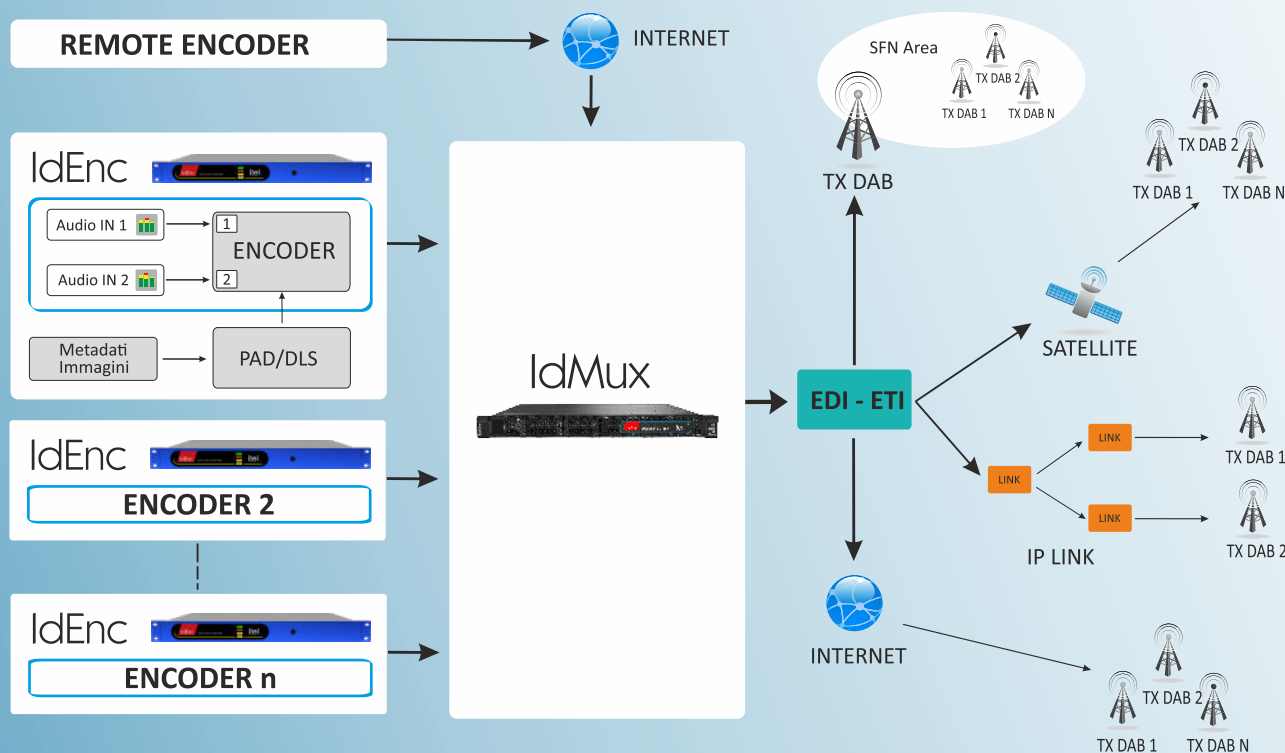
Backup and restore configuration
Firmware upgrade by GUI interface

● Power supply

Redundancy power supply
100-240VAC 50/60Hz

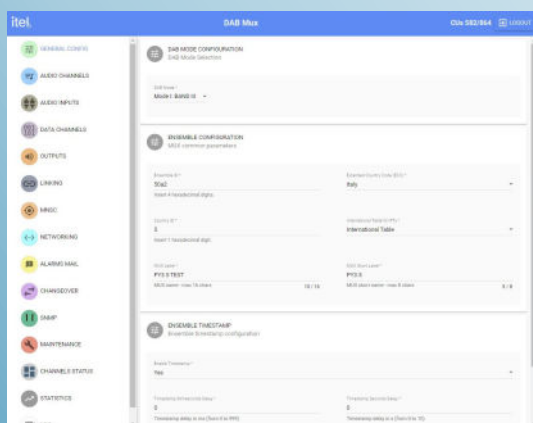
DAB network structure

ITEL IdMux is installed between audio sources and transmitters. Versatility of the products allow the possibility to set every input from remote encoder or existing streamer. The encoder section manage the DLS, Slide show with data coming from streaming. Available as option 6 bands audio processor totally web controlled.



Management Web Interface

MUX and Encoders can be set via a simple PC/Smartphone web page, in which the user can set bitrate, audio sources, DLS, slide show .



Audio Processor



Specific for digital transmission with 24KHz bandwidth and ITU1770 Loudness control to harmonize the audio channels.