IdMux

Multiplexer DAB / DAB+

DAB+
Digital Audio Broadcasting

Technical features:

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.

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.

🔵 **Audio inputs**
IP Streaming
AES-EBU
Analog

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

🔵 **SFN ready**

🔵 **Codec DAB and DAB+**

🔵 **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
Alarm email alert

🔵 **Software**
Backup and restore configuration
Firmware upgrade by GUI interface

🔵 **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.

REMOTE ENCODER → INTERNET

ENCODER
AUDIO PROCESSOR
STREAM 1
STREAM 2
AUDIO → ENCODER 1
TEXT PICTURES → PAD/DLS 1

STREAM 1
STREAM 2
AUDIO → ENCODER 2
TEXT PICTURES → PAD/DLS 2

STREAM 1
STREAM 2
AUDIO → ENCODER N
TEXT PICTURES → PAD/DLS N

ITEL IdMux → **EDI - ETI**

SFN Area — TX DAB 1, TX DAB 2, TX DAB N — TX DAB

TX DAB 1, TX DAB 2, TX DAB N

SATELLITE

IP LINK — LINK — TX DAB 1, TX DAB 2

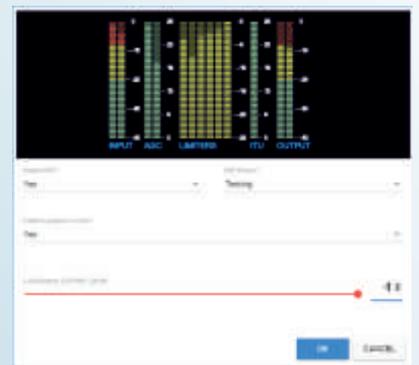INTERNET — TX DAB 1, TX DAB 2, TX DAB N
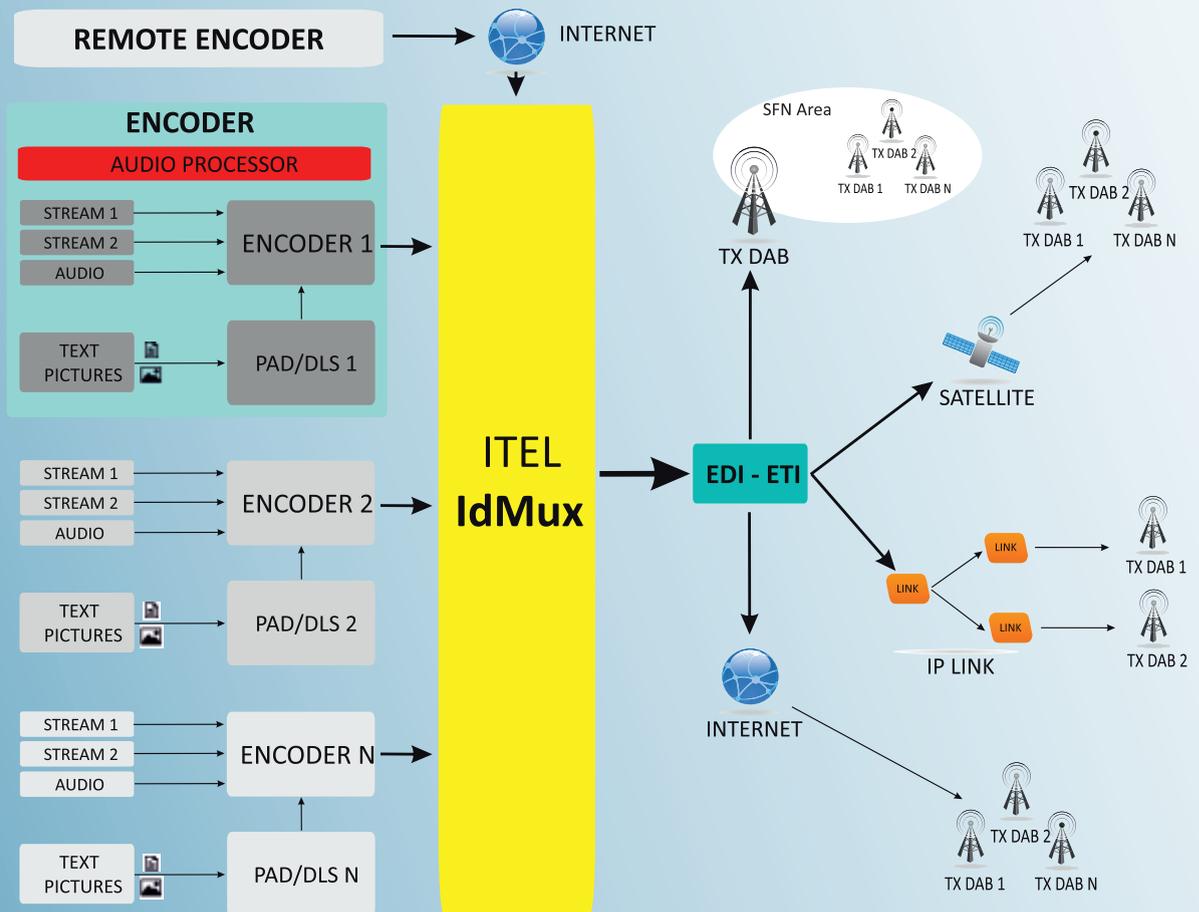
Management Web Interface

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 .
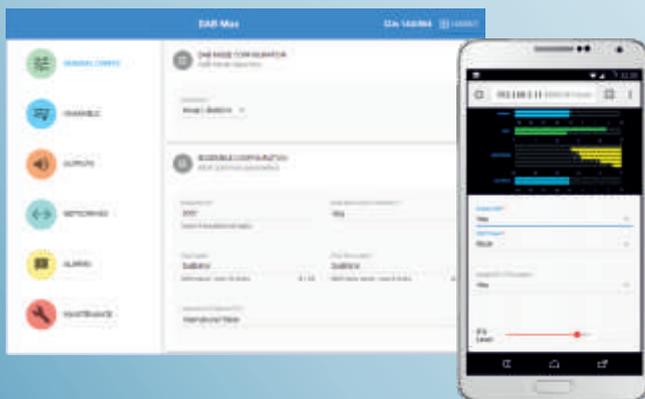
Audio Processor

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

ITEL Elettronica e Telecomunicazioni
Via S.Penna 82 - 06132 Perugia (PG)
Tel - Fax: +39 075 7829669
Email: info@itel.it   Web: www.itel.it

itel
elettronica e telecomunicazioni