



IdEnc MKII is the state of art of the art of encoding for DAB and DAB+ systems based on advanced technologies for maximum coding efficiency, also available with Fraunhofer AAC+V2 high quality option.

A flexible and efficient platform allows the management of two Independent coding processes with different audio inputs: Analog, AES/EBU, AES67 and Stream IP. Supported Coding methods for DAB+ are: Mono, Mono+SBR, Stereo, Stereo+SBR, Stereo+SBR+PS.

Simplicity and speed in inserting contents multimedia, such as images and text, thanks to our RdLink Artwork software, capable of interfacing with every Automation software.

The encoded stream is sent to multiplexer via LAN network, transport can be via internet connections thanks to the TCP protocol. The configuration is simplified thanks to the web interface accessible from both Ethernet ports. For remote control is present SNMP and SMTP, history logging, the color display allows a quick visualization of the status of the device and via headphone socket it is possible to listen the encoded audio.

The encoder optionally includes a 6 Bands audio processor, designed by ITEL for DAB +, for a perfect definition of you audio with loudness control according to ITU1770 regulation.

IdEnc, the best audio encoding solution for DAB/DAB+ systems.

Features:

Audio inputs

Analog XLR Female Connector
AES-EBU XLR Female connector
IP Streaming
AES67

Output

IP double RJ 45 (management and link to multiplexer)

ISO/MPEG 1/2 Layer 2 DAB Encoder (EN300401)

Support All Mpeg Data rates

DAB Sampling frequencies

24 and 48 KHz

AB+ Sampling frequencies

32 and 48 KHz

Webserver for configuration

TFT Display

Headphones connector

Remote control and DLS, SLS, DL+ on PAD through LAN interface

Linking to Multiplexer with Tcp protocol, EDI with timestamp for synchronization, bidirectional EDI with proprietary tag.

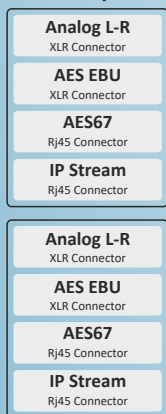
SNMP protocol

6 Bands Audio processor included with loudness control ITU1770 (optional)

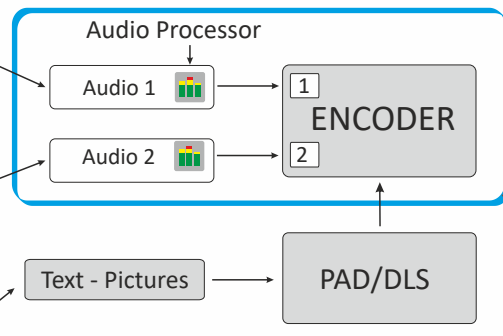
DAB / DAB+ encoder

IdEnc is installed between audio sources and IdMux multiplexer. Versatility of the products allow the possibility to receive inputs from different audio sources (stream, AES-EBU, AES67, analog). The encoder manage the DL/DL+, DLS, Slide show also with data coming from streaming. Available as option 6 bands audio processor with Loudness Limiter ITU-R BS.1770, totally web controlled.

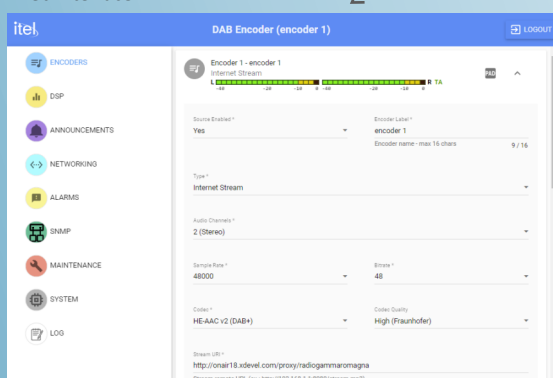
Audio Inputs



IdEnc



Web interface



Audio Processor



ITU1770 Limiter

Technical features

Digital Input

AES/EBU XLR Female Connector

Analogue Input

L-R XLR Female Connector

Input Type

Balanced

Input Impedance

>10Kohms

Frequency Response*

<10Hz to 48KHz

Input THD + Noise**

0.0004% (-108dB)

AD Converter resolution

24bit

Reference Input

NTP RJ-45 connector

Audio Coding Algorithm

MPEG-4 HE-AACV2

Audio Coding Modes

ETSI TS 102 563
Mono, Mono+SBR, Stereo,
Stereo+SBR, Stereo+SBR+PS

Sincronization

NTP configurable

*(-3dB, 24-bit/96kHz format)

**@ 1KHz at -2dBfs

Chassis Type

Operating System

Processor

Display

Headphone output

Power Input

Power Supply

Input Voltage

Input Frequency

Power Consumption

Physical Dimensions(mm)

Weight

Operating Temperature

Storage

Humidity(non-condensing)

1RU 19" rack Mounting

Linux

Intel® quad core

TFT Full color

Jack 6.3mm

Connector Type IEC

Redundant dual Power supply

95-240Vac 50/60Hz

47-63 Hz

35W Max

482(W) x 44.5(H) x 310(L) mm

3,7Kg

+5°C to +40°C

0°C to 85°C

< 90%