

STREAMER MAX

AUDIO OVER IP ENCODER / DECODER



- Half-Duplex and Full-Duplex audio connection
- Professional Hi-Quality analogue and Digital In/Out with A/D and D/A conversion
- Optional connection via Bluetooth, WiFi, UMTS Modem (*)
- Data tunnelling with certified USB interfaces (like RS232-RS485) to control remote devices
- 2 GPin and 2 GPout with data tunneling operative mode
- Web based configuration
- Multiple audio codec protocols and bitrates
- Highly accurate rate and Jitter correction in every digital audio paths
- Microphone XLR input

(*) Optional, only certified devices

STREAMER MAX

STREAMER MAX is an hardware device for audio signals coding/encoding over IP (bidirectional/full duplex).

It is compatible with most of worldwide standards and it has an architecture open to support future formats and customizations. It combines application versatility (Studio, STL, Portable) with easiness of use.



OVERVIEW:

STREAMER MAX is an hardware device for audio signals encoding / decoding over IP (bidirectional/full duplex).

It is compatible with most of worldwide standards and its architecture is open to support future formats and customizations.

It combines application versatility (Studio, STL, Portable) with ease of use.

STREAMER MAX has both analogue and digital inputs / outputs in order to allow maximum flexibility of installation and connectivity. Specifically designed for broadcast applications, **STREAMER MAX** is a high quality and high performance device with professional features such as data tunneling for Rs-232 serial port and GPIO management.

STREAMER MAX is also suitable for consumer applications, from audio stream in point-to-point environments to audio distribution for public addressing.

The duty aluminum body, the battery box and the universal power supply allow installation in any kind of environment in any conditions.

MAIN FEATURES:

- Mono and dual communication (Full-Duplex)
- Unicast point-to-point and multicast configuration
- Integrated Shoutcast Source Feed
- Audio Changeover/backup: switch to backup audio source
- Protocols : Liner Pcm, OGGVorbis, MP2 (*option), MP3 (*option), AAC (*option), AAC+ (*option)
- Integrated Web Server for wire set up (LAN/internet, UMTS)
- Professional Audio Quality Analogic and Digital Audio Interfaces

APPLICATIONS:

- Audio over-ip distribution
- Point-to-point links (STL)
- Multicast connections
- Radio InStore/Brand Audio Networking
- Audio distribution for P.A

STREAMER MAX TECHNICAL SPECIFICATIONS

MAIN FEATURES

Transport protocols:	UDP raw, UDP/IP, TCP/IP, HTTP, RTP
Sampling Rate:	32 kHz/44.1kHz/48 kHz (Full-Duplex Mode 48kHz only)
Trasmission/Reception protocol	and available bitrates:
Linear WAV:	16 Bits PCM linear
OGG VORBIS:	Bitrate in kbit/sec (64, 80, 96, 112, 128,160,192) - CBR Quality: 0(Best),1, 2, 3, 4, 5(Default), 6, 7, 8, 9(Worst) -VBR
MPEG1-L3 (MP3) (*Optional)	Bitrate in kbit/sec (32, 40, 48, 56, 64, 80, 96, 112, 128,160,192) - CBR Mode: Stereo, Joint Stereo, Dual Channel, Mono, Auto
MPEG1-L2 (MP2) (*Optional)	Bitrate in kbit/sec (32, 40, 48, 56, 64, 80, 96, 112, 128,160,192) - CBR Mode: Stereo, Joint Stereo, Dual Channel, Mono, Auto
AAC (*Optional)	Bitrate in kbit/sec (32, 40, 48, 56, 64, 80, 96, 112, 128,160,192) - CBR
HEAAC, HEAACv2 (*Optional)	Bitrate in kbit/sec (24, 32, 40, 48, 56, 64) - CBR

I/O INTERFACES

1x Universal power supply	100-240 Vac
1x Slot SD Card	o SDHC
1x RJ45 full duplex	IEEE 802.3 10/100Mb/s, WiFi*, 3G*
2x USB 2.0	FullSpeed
2x GPIInputs	via Optocoupler
2x GPOut	via Optocoupled open collector output
2x XLR Input:	Analog o Digital (AesEbu)
2x XLR Output:	Analog o Digital (AesEbu)
1x Graphic Display LCD	(Elite Version Only)
1x Encoder	with Enter button (Elite Version Only)
1x Headphone jack	Output (Elite Version Only)
1x front USB 2.0	FullSpeed (Elite Version Only)

AUDIO FEATURES

Analog input impedance:	10KOhm
Analog input sensibility:	-12.0dBu to +12.0dBu
Analog max input/output:	+20dBu
Digital input impedance:	110Ω
Digital Input Rates:	32-96 kHz with sample rate conversion and jitter correction
Bandwidth:	20Hz – 24kHz (Analogic Sampling Rate 48Khz)
Signal-to-noise (S/N):	110 dB A-weighted (90dB nominal @ 0.0dBu sensitivity)
CrossTalk:	>80 dB @ 10kHz
THD:	0.005% @ 1kHz
Input Digital Sensitivity:	-30.0 dBFs, -5dBFs
Digital Output Rates:	48kHz Internal or 32-48kHz Synch to AesEbu input
Digital nominal input:	0.0 dBFs - -25.0 dBFs
Dimensions:	217x200x44 mm (b x w x h)
Weight:	2 Kg (3 Kg with batteries)

ORDERING INFO

Code:	Product:	Description:
A116010000	STREAMER MAX MKII	Bidirectional Encoder/Decoder for streaming audio over IP. Analog and AES/EBU I/O. Formats: PCM, MP3, AAC, AAC+, Vorbis, Shoutcast, Icecast. Distributes audio over standard TCP/IP,LAN,WAN and UMTS networks with external modem. GPIO. Audio backup on USB-HD. Unicast/Multicast
A116010001	STREAMER MAX ELITE MKII	Bidirectional Encoder/Decoder for streaming audio over IP. Graphic display and encoder. Analog and AES/EBU I/O. Formats: PCM, MP3, AAC, AAC+, Vorbis, Shoutcast, Icecast. Streams audio over standard TCP/IP,LAN,WAN and UMTS networks with external modem. GPIO. Audio backup on USB-HD. Unicast/Multicast

Pictures and technical specs in this leaflet are provided for information purpose only and are subject to change without further notification (Ver. 2.0)