



So small, so great !

Ultra Portable Audio Codec/Mixer For Live Outside Broadcasts

MORE HIGHLIGHTS

- Fully interworking with other manufacturers, including J52
- Automatic answering and recognition of the incoming call type (ISDN / POTS)
- Mono and stereo operation modes
- SIP is a standard technology
- USB interface for audio with a PC
- Selectable compressor/limiter
- Very small size : 234 x 155 x 80 mm

APPLICATIONS

- Live broadcasts
- Live two-way interviews
- Talk shows
- Sports broadcasting
- News reports
- Remote contributions into studio discussions
- POTS, ISDN, GSM, INMARSAT GAN & BGAN**, IP over SIP (Session Initiation Protocol)

TRANSMISSION MODES AVAILABLE



IP
NOW SCOOPY SUPPORTS STATE OF THE ART IP TECHNOLOGY WITH SIP



POTS
7 KHZ SPEECH



ISDN
3/7/15 KHZ LOW DELAY
20 KHZ HIGH QUALITY (MPEG)



GSM



INMARSAT GAN & BGAN

- **USB CONNECTION**
- **THREE CHANNEL AUDIO MIXER**
- **MICROPHONE POWERING**
PH 48, PH 12 OR (OPTIONAL) T 12
- **1,5 KG INCLUDING BATTERIES**

AAS Codecs : your audience has never listened to your radio like that



IP with SIP



AETA AUDIO SYSTEMS

We stay ahead to keep the best

TECHNICAL FEATURES

AUDIO

Inputs :

- 2 micro / line : 3-pin XLR socket
Maximum input level with pad : +21dBu
Input stage sensitivity adjustment : 4 steps x 20 dB
Microphone powering : phantom 48V or 12V, Tonadder 12V (option)
- 3rd input : line, 3-pin XLR socket
Max input level : +21 dBu gain adjustable ± 12 dB
- Very high performance compressor / limiter

Outputs :

- 2 headphones : 1/4" jack, adjustable output, $Z_{out} < 16 \Omega$, +20dBm max
- Line out : 3-pin XLR socket, max adjustable 0 to +21dBu

Performances :

- Max level adjustable 0 to +22 dBu
- Bandwidth : 20 Hz to 20 kHz (+/- 0.5 dB) @ Layer II, $F_s = 48$ kHz
- Distortion : less than -74 dB, THD+N = 0.02% @ 1kHz, 16dBu input
- Signal to Noise ratio : 84 dB_{RMS}

ALGORITHMS

IP

- CELP
- G711
- G722
- 4SB ADPCM
- MPEG LAYER2

ISDN

Data rate : 64 kbit/s or 128 kbit/s

ITU-T G722 H221/H242 or G722 SRT

- One ISDN "B" channel (64 kbit/s) 7 kHz, < 10 ms delay

ISO MPEG Audio :

- One or two ISDN "B" channels
- Sampling frequency** : 48 kHz, 32 kHz, 24 kHz or 16 kHz
- J52 compliance : enable or disable.

The IUT J52 protocol provides :

- Standardized interworking protocol
- Reed-Solomon error correction
- Asymmetric transmission

4 SB ADPCM***

- Less than 10 ms delay
- Two ISDN "B" channels, 15 kHz, $F_s = 32$ kHz

TDAC*** (option)

- One ISDN "B" channel (64 kbit/s) 15 kHz, $F_s = 32$ kHz

G711 : full back operation (telephone mode).

PSTN (POTS)

Data rate : from 24 kbit/s down to 12 kbit/s

CELP voice modelling

- 80 ms delay,
- Audio bandwidth : 40 Hz to 7.2 kHz @ 24 kbit/s (typical).

OPERATIONAL INFORMATION

Dialling :

- Built-in keypad : 50 local setups, 50 stored numbers / profiles, last redial
- Automatic answering

Display :

- Backlit LCD display : 2 x 16 characters
- LEDs : audio level bargraph, alarm and status indicators, power and audio input monitoring indicators

Network interfaces :

- IP (board to be inserted in place of ISDN one)
- ISDN : S0 (S/T bus) or U single basic rate interface (RJ45)
- PSTN : telephone line interface (RJ11)
- GSM : 3-band, FME socket, antenna and cable included

General :

- Upgradeable software (V24 interface)
- External power 9 to 15 VDC (Optional : AC adapter)
- Battery power 6 "C" or R14 batteries (Operating time : 4 h typical)
- Dimensions : 234 x 155 x 80 mm (D x W x H)
- Weight : < 1.5 kg with batteries
- Operating temperature range : 0°C to 45°C

VERSIONS and ACCESSORIES

SCOOPY 7 kHz POTS
SCOOPY 7 kHz ISDN/POTS
SCOOPY 7 kHz POTS/GSM
SCOOPY 7 kHz ISDN/POTS/GSM
SCOOPY 20 kHz ISDN
SCOOPY 20 kHz ISDN/POTS
SCOOPY 20 kHz ISDN/GSM
SCOOPY 20 kHz ISDN/POTS/GSM
SCOOPY IP
SCOOPY IP/POTS

Options :

- Stereo mode
- USB interface (cable included)
- ISDN for North America (U0) available

Accessories :

- AC/DC adapter
- Car battery adapter
- Carrying bag
- ExpressProfiles : profile editing software



Rear panel with GSM connection
USB interface for audio connection with a PC



Anywhere, for all circumstances...



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www.aeta-audio.com

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