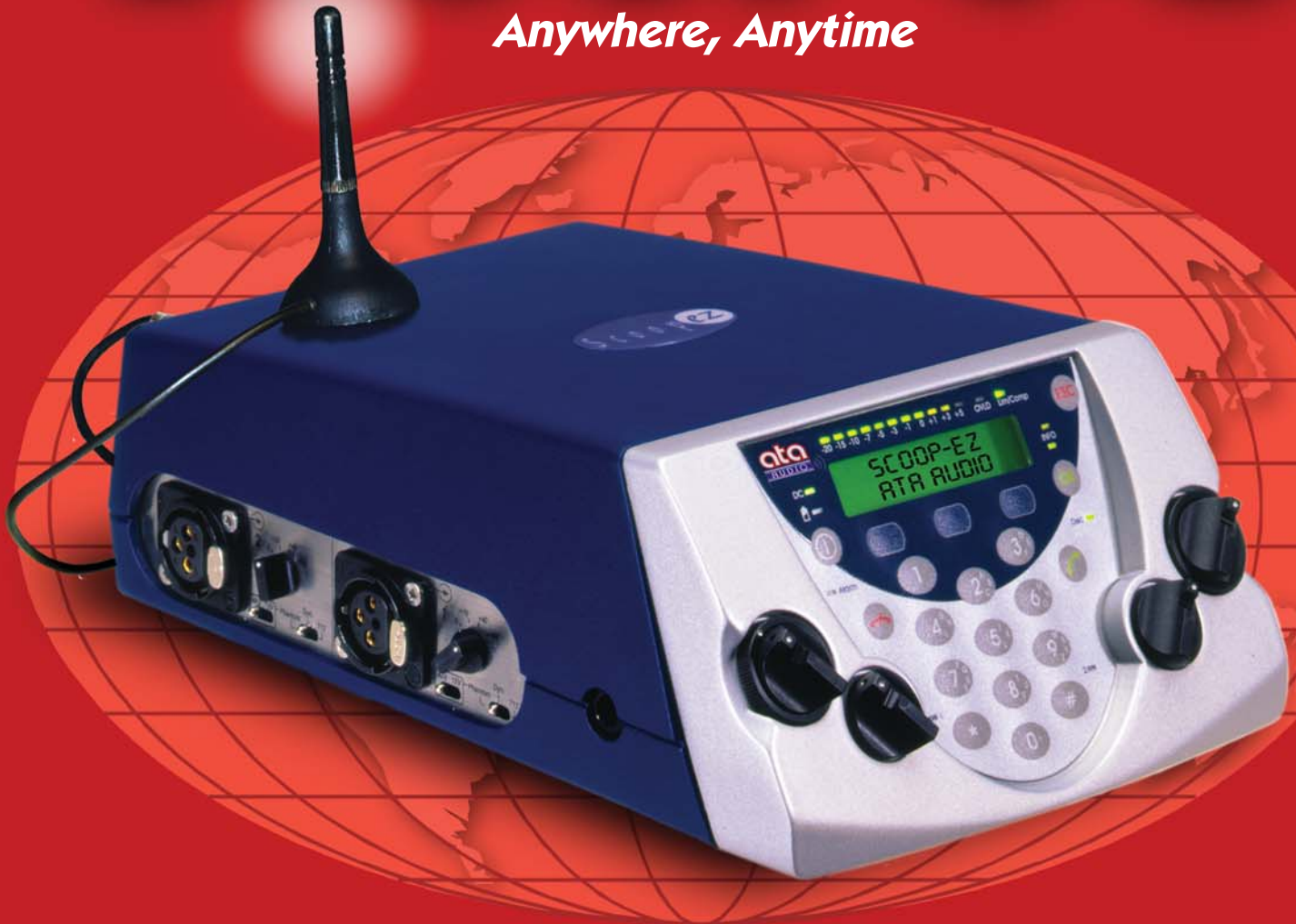


SCOOP E-Z

Anywhere, Anytime



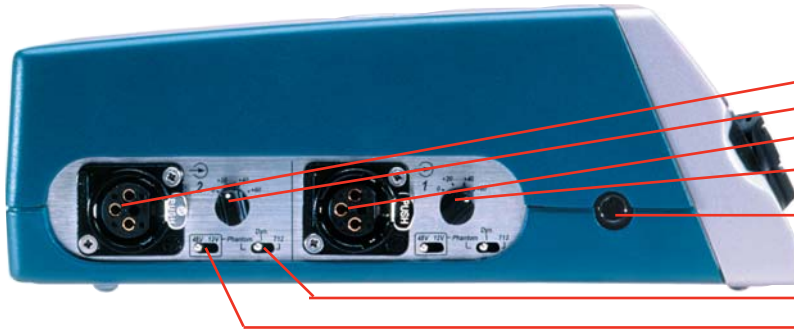
Portable Audio/Codec Mixer for live broadcasts

The Scoop E-Z is a versatile, portable audio codec designed for live outside broadcast. Today, remote broadcasts require a codec that can adapt to environments where anything can happen and usually does. The Scoop E-Z is designed to handle these environments. Capable of using analogue

(POTS), digital (ISDN), wireless (GSM) and satellite (INMARSAT), broadcasts benefit from the maximum bandwidth available. Weighing less than 4 lbs (including batteries), the Scoop E-Z provides the best methods for the transmission paths used in today's environment.

ata
AUDIO 

Technical Specifications - SCOOP E-2



Microphone / Line Input #2
 Input #2 gain adjustment
 Microphone / Line Input #1
 Input #1 gain adjustment

Headphone #1 jack

Microphone Power selection
 Microphone #2 powering

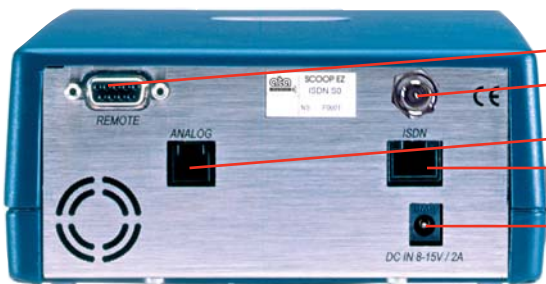


Line out
 Microphone / Line Input #3
 Headphone #2 jack



On/Off switch
 Status LEDs
 Send call

Headphone #1 local/return
 Headphone #1 volume adjustment
 Headphone #2 local/return
 Headphone #2 volume adjustment
 Input 1 potentiometer
 Hangup
 Input 2 potentiometer



V24 Serial remote control
 GSM connector

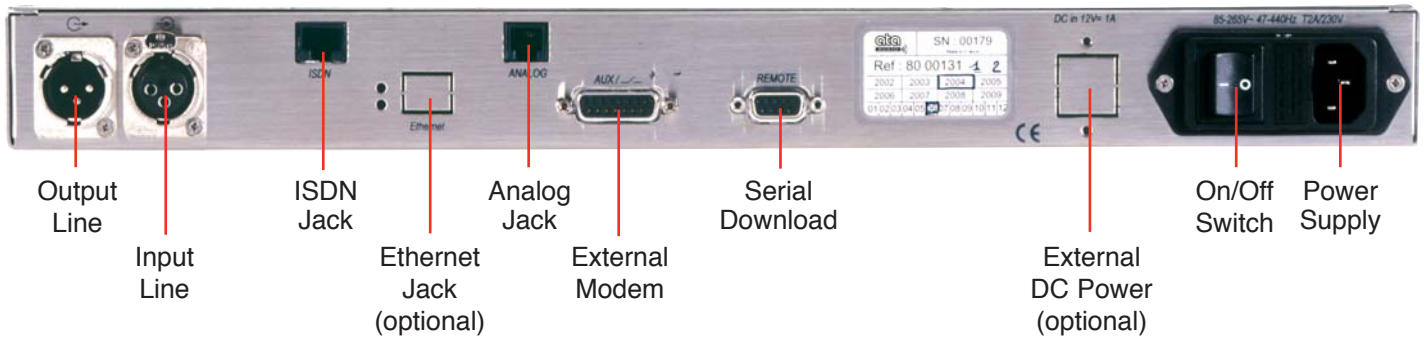
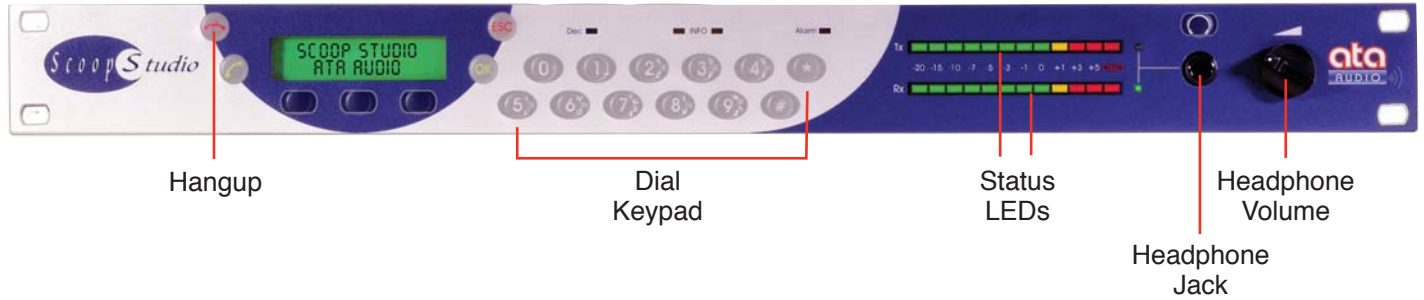
POTS RJ11 jack

ISDN RJ45 jack

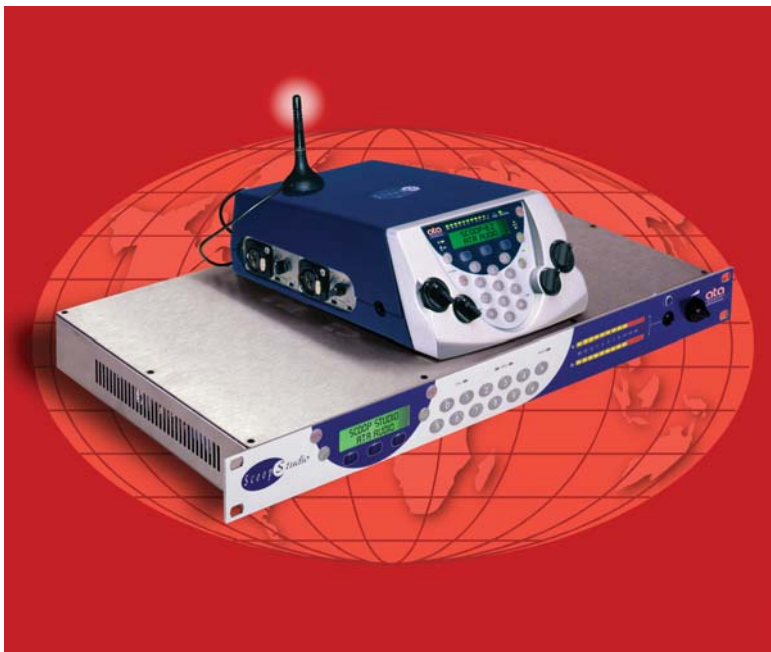
External jack



Technical Specifications - SCOOP STUDIO



Complete Remote System



APPLICATIONS

- Live Broadcasts
- Live two-way interviews
- Talk shows
- Sports broadcasting
- News reports
- Remote contributions into studio discussions
- Wireless Remotes

HIGHLIGHTS

- POTS, ISDN, WIRELESS, INMARSAT
- Automatic answering and recognition of the incoming call type (ISDN/POTS)
- Two Channel Audio Mixer (portable)
- Microphone Supplies: Ph48, Ph12 or T12 (portable)
- Selectable compressor/limiter (portable)
- Very small size: 9 x 6 x 3 inches (portable)



Technical Features

SCOOP E-Z

Operational Information

Dialing :

- 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 :

- ISDN : S0 (S/T bus) or U single basic rate interface (RJ45)
- POTS : telephone line interface (RJ11)

General :

- Upgradeable software (V24 interface)
- External power 9 to 15 VDC (Optional : AC adapter)
- Battery power 6 "C" or R14 batteries (Operating time : 5h typical)
- Dimensions : 9 x 6 x 3 inches (D x W x H)
- Weight : <4 Pounds with batteries
- Operating temperature range : 32°F to 113°F

Audio Information

Inputs :

- 2 microphone / 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
- Very high performance compressor / limiter

Outputs :

- 2 headphones : 1/4" jack, adjustable output, Zout : 50 Ω , +20dBu max
- Line out : 3-pin XLR socket, selectable +2, +4,+6,+10, +16 dBu

Performances :

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

SCOOP STUDIO

Operational Information

Dialing :

- 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 bargraphs, alarm and status indicators

Network interfaces :

- ISDN : SO (S/T bus) or U single basic rate interface (RJ45)
- POTS : telephone line interface (RJ11)

General :

- Upgradeable software (V24 Interface)
- Optional Ethernet remote control interface
- Power supply 85 to 260 FAC
- External DC power 12 VDC (option)
- Dimensions : 19" 1U - 44 x 253 mm (H x W x D)
- Operating temperature range : 0 C to 45 C

Audio Information

Input :

- Symmetrical, line level, 3-pin XLR socket
- Maximum input level : adjustable 0 to +22dBu max
- Impedance >10k Ω

Outputs :

- 1 headphone : 1/4" jack, adjustable output, Zout : 50 Ω , +20dBu max
- Line out : 3-in XLR socket, adjustable 0° to +22° dBu
- Impedance < 40 Ω

Performance :

- Bandwidth : 20 Hz to 20 kHz (+/-0.5 dB) @ MPEG Layer II, Fs = 48 kHz
- Distortion : less than -74 dB, THD+N = 0.02% 1kHz, 1 dB below clipping level
- Signal to Noise ratio : 84 dB

Algorithms

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, Fs = 32 kHz

TDAC*** (option)

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

G711 : fall back operation (telephone mode).

- "digital hybrid"

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). The maximum data rate depends on the line quality.
- GSM (wireless)



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