

# TERRACOMM TERRA-EXA



1

## FEATURES

- 2 x 20 W independent amplified outputs @ 8 Ohm.
- Audio outputs: bandwidth 20 Hz - 20 kHz.
- Ethernet interface including POE.
- 24 VDC power supply (not included).
- G.711, G.722, MP3, AAC (Shoutcast/Icecast) audio decoding.
- Power & Status LED.
- 3 analog control inputs.
- 1 FORM-C relay output.
- Power consumption: 48 W @ 24VDC.
- Weight: less than 16 Oz.
- Dimensions (mm): Depth 4", Height 1.25", and Width 4.30".



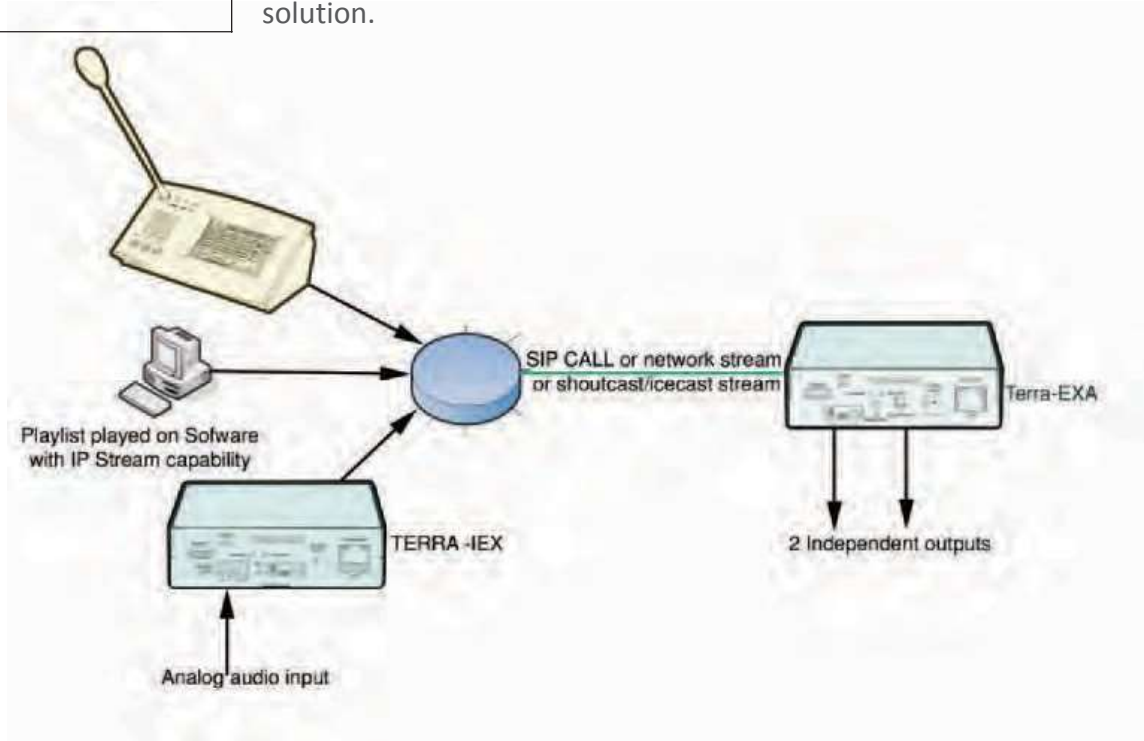
## DESCRIPTION

TERRA-EXA is an amplified IP audio decoder. Since the output device is the most price sensitive part of an IP audio system, ATEIS has proposed the best cost effective output device with 2 independent 20 W amplified line outputs.

The TERRA-EXA will be your ideal IP solution for any applications where you need a simple balanced audio output with some I/O contacts & relays.

The TERRA-EXA uses G.711 / G.722 / PCM / MP3 decoding / AAC (icecast). Network sources and volume controls can be implemented thanks to the analog inputs. Priority management, volume management, event management & scheduler are set up thanks to embedded web pages.

TERRA-EXA belongs to the TERRACOM range, the new ATEIS Audio over IP solution.



# TERRACOMM TERRA-EXA



2

## ■ ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The Terra-Com audio communications, messaging, and intercommunications platform is a suite of products designed to transmit live audio paging, stored and live messaging, background music, 2-way intercommunications, control input and output triggers, and audio monitoring over TCP/IP networks. The audio communications system does not require the use of any server or controller to function as each device/unit in the Terra-Com product line contains HTML browser software for program mapping and control. All Terra-Com Audio over IP devices utilize SIP, TCP, DHCP, IGMP, and SNMP communications protocol to allow communications and audio transmission over a variety of LAN/WAN configurations. Most Terra-Com devices/units are P.O.E. (Power Over Ethernet) and/or can be powered locally with remote 24VDC Power Supply.

The Terra-EXA unit shall be equipped with a single RJ-45 Ethernet port to allow communications to other Terra-Com devices or 3rd party networked audio controllers via TCP/IP without the need for additional servers or controllers. The Terra-EXA shall decode streamed audio G7.11, G7.22, PCM, AAC (Shout/Icecast), or MP3 formats. The Terra-EXA decoder shall provide 2 amplified audio outputs (20-watt at 8-ohms), a single Form-C programmable relay output, and 3 Control input logic triggers.

The Terra-EX unit's audio output is max +5dB balanced line—level audio with a bandwidth of 20Hz-20kHz. Built-in HTML browser software includes audio management, mapping, remote analog controls, control I/O mapping, Terra-EXA units shall be equipped with power and status LED lights and a local 24VDC local power supply jack - 48w. Terra-EXA shall measure 4.1"D x 1.25"H x 4.3"W. The unit shall weigh 16oz.

Warranty shall be 5 years and be CE Compliant.

SCREEN  
SHOT

The screenshot displays the ATEIS Web Management interface for Terra-EXA configuration. The interface includes a navigation menu with options like Setup 1, Setup 2, Update, Status, and About. The main content area is divided into several sections: Network, System Time, SERIAL LINK, and SIP. The Network section shows IP Address (192.168.1.112), Subnet Mask (255.255.255.0), Gateway (192.168.1.254), and DNS (192.168.100.203). The System Time section shows Location (Asia/Taipei), NTP Client (Disable), and Server IP/Name (time.stdtime.gov.tw). The SERIAL LINK section shows UART to IP4 and IP4 to UART (both Disable). The SIP section shows Username (ateis\_EXA), Firewall Traversal Mode (Terra Net), WAN IP (192.168.100.1), SIP Port (5060), RTP Port (6912), Audio Codec (L16), Paging Mode (IGMP), Time to Stop Ring (5 sec), SIP Auto Answer (Enable), SIP Auto Answer Input (MIC IN), Speak Out IP Address (CIN1) (Disable), Factory Setting (CIN2) (Disable), and various logic triggers for SIP and Audio Out.