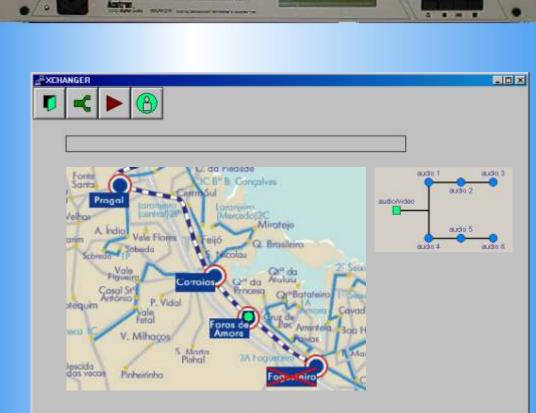
Actition Electroactistica Lda





Configures the application



DESCRIPTION

The XCHANGER audio codec is a device capable of bidirectional communications using two compressed audio channels plus two high speed V.11/V.28 serial ports to a remote identical device by means of a V.36 line (optionally doubled by an auxiliar V.28 control port) as a transmission media.

APPLICATIONS

 In distributed PA systems where distances are huge and audio and control signals has to be distributed from a Central dispatch to several different destinations.
As a fixed audio signal link.

FEATURES

□ Unique ID allows remote addressing and sub-addressing (for example a destination site and a zone within the destination).

- □ Fully RF filtered.
- Uses the industry-standard V.36 protocol.

□ DSP-driven with robust communication error-detection and correction.

Configuration and ID kept in FLASH non-volatile memory.
Paralell printer port for dumps

Selectable analog inputs for both microphone level and line level.

Digital V.11/V.28 at 115 000 baud carries both audio and control to/from the unit.

The V.36 can carry the entire signal, or the ancillary V.28 port may be used for control purposes only.

□ 24-bit converters

□ Fully EN55103 compliant according to 89/336/EMC

Internal AGC, noise gate, anti-aliasing and anti-imaging filters.

LCD display and keyboard for local programming

□ High-speed 4:1 compression algorithm.

- A May use hardware or software framing.
- □ SERIAL Windows[™] configuration software included

SPECIFICATIONS

Nominal output level Gate threshold Maximum Input

Conversion Resolution

Frequency response

Baud rate (V.11, V.28) CMRR THD+N Noise Analog Overload level Equalizer

Limiter

Noise compensation Bit rate

Line Interface Terminal interface Physical

Weight Power supply Operating temp.

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DISTRIBUTOR

0dBu/0dBFS Mic-25dBu at 12dB gain Mic-9dBu Line+3dBu 24-bit 16-bit 100Hz-6.5kHz ±1.5dB (16kHz sampling rate) 115kBaud maximum >40dB.20Hz-20kHz <0.04% 1kHz <-70dBu +10 dBu ±15dB at 200Hz/4kHz affected by bandwidth Threshold 40/0dBu hold=2S, release=5S 0 to 40dB 128kbit at 16kHz sampling rate 2 channels V.36+V.28 V.28, V.11 19" rack, 1U 200mm depth 3.0 Kg 230VA @ 5VA 0-40°C

