

# Tele-Link IV

## Internet STL Stereo Analog and Digital System



### FEATURES

- AES/EBU, balanced & unbalanced analog inputs / outputs
- Duplex operation
- Attractive total price \$2,995. Total price includes sending and receiving terminals.
- Linux operating system
- Variable bit compression 16 to 128Kb
- Frequency response  $\pm 0.5$ db from 20Hz to 17.5KHz with 128 Kb bandwidth
- Typical program delay of 1-1/2 seconds
- Can be used with any Ethernet connection, DSL, T1, ISDN or Spread Spectrum Wireless
- Each terminal contains one encoder and one decoder
- Each encoder can drive multiple decoders provided Ethernet connection has adequate bandwidth
- Solid-state hard drive and fanless heat sink – no moving parts
- Terminal weight – 3.2# (1.5KG)
- Rack mountable
- Non-proprietary, industrial computer – all standard parts
- Converts dynamic IP to static address
- Remote operation controls terminating terminal via VNC protocol which is built into each terminal
- Front panel push buttons permit front panel LCD display of IP connection, data, bandwidth, buffer delay and bit rate



**ENERGY-ONIX**

**BROADCAST EQUIPMENT CO., INC.**

P.O. Box 801, 1306 River Street, Valatie, New York 12184

518-758-1690 FAX 518-758-1476 Toll Free 888-324-6649

E-Mail: [energy-onix@energy-onix.com](mailto:energy-onix@energy-onix.com)

WEB PAGE: [www.energy-onix.com](http://www.energy-onix.com)

*“The Transmitter People”*

## DESCRIPTION

The **Tele-Link IV** is an attractively priced Linux-based, digital audio system which is designed to be used with a conventional broadband Ethernet connection to achieve a high fidelity stereo – audio link between the studio and transmitter sites of a radio station. The program material can be in a digital (AES/EBU) or balanced and unbalanced analog form. The basic system consists of two terminals, each of which contains an encoder and decoder. The combination of utilizing the popular sampling rates of 44.1 KHz together with the codec MP3 or OGG-VORBIS, yields a frequency response of 20 Hz to 17.5 KHz, a signal to noise ratio better than 95db and a distortion of less than 0.005%. Both encoder audio inputs, as well as decoder outputs are balanced, and unbalanced 600 ohm XLR terminations for analog and digital (AES/EBU) programs. Each terminal is programmed to be remotely controlled via the VNC protocol over the Ethernet connection.

## STL SPECIFICATIONS

**Sampling Rate:** I/O 16 bit/48KHz  
**Codec Used:** MP3 or OGG-VORBIS or mp3PRO  
**Frequency Response:**  $\pm 0.5$  db 20Hz to 17.5KHz  
**Signal to Noise Ratio:** >95db  
**Total Harmonic Distortion:** 0.005% maximum  
**Audio Connectors:** Balanced XLR – 600 ohms, unbalanced RCA  
**Ethernet Connection:** Conventional RJ45  
**LAN Interface:** 10-100 Base-T  
**Transmission Data Rates:** 8, 16, 32, 64, 128 Kb/s  
**Power Supply:** Universal, 12vdc, 115/220v AC 50/60 Hz  
**Power Consumption:** 12 watts  
**Dimensions:** 19"W X 8-1/2"D X 1-3/4"H (48.3cm x 21.59cm x 4.45cm)  
**Weight:** 3.2 pounds (1.5KG)  
**Optional:** Plug-in WIFI PCMCIA card  
**Digital formats – AES/EBU and S/PDIF**



**ENERGY-ONIX**

BROADCAST EQUIPMENT CO., INC.