



Listening NetStation

Freedom for Broadcaster's Audio Resources !

Turnkey Solution for :

- ✓ **Audio Monitoring**
- ✓ **Library Browsing**
- ✓ **Intranet Access**
- ✓ **Audio Cuts Transfer**

Kersonic KS-1 Listening NetStation provides an easy way to access online audio resources. Its advanced feature set is designed for rapid integration into existing broadcasting settings.

KS-1 Listening NetStation quickly accesses intranet and automation software, browses audio libraries, monitors what's playing at a local or remote location, and controls broadcast equipment; all without going through complex menus or loading multiple applications.

KS-1 Listening NetStation remains connected to your network, so the information you are looking for is always right at your fingertip.

KS-1 Listening NetStation graphical interface can be easily tailored for specific task or user groups, using standard web development tools. The built-in touch-screen and jog-dial make navigation easy and intuitive.

KS-1 Listening NetStation supports IP Multicast technology, enabling an unlimited number of simultaneous listeners to monitor an audio program, while sending only one stream, thus saving precious network bandwidth.



Features

- **Practical:** Small form factor fits on any desk.
- **Connected:** Plugs into existing network architecture.
- **Intuitive:** Navigation via touch-screen and jog-dial.
- **Flexible:** Customizable web-based user interface.
- **Open:** Supports major multimedia standards.
- **Dedicated:** Embedded system for guaranteed QoS.
- **Efficient:** Always on - no waiting - no rebooting.
- **Reliable:** Based on robust Linux OS.
- **Upgradable:** Firmware update via network.
- **Low Cost:** A fraction of the cost of a laptop PC.

Applications

- **Producer**, instantly monitor what is aired locally or remotely, listen to incoming material and give a go-ahead simply by touching an icon on the display.
- **Journalist**, retrieve the latest news, browse audio or text archives, listen to remote feeds, all through an easy-to-use graphical interface.
- **Technician**, verify that your equipment is working properly, display vital information and take immediate action.



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Software Specifications

Internal Firmware

- Linux Kernel 2.4.18
- DHTML Browser
- Streaming Audio Player
- Automatic Upgrade via Network

Audio Formats

- WAV (linear)
- ISO/MPEG Layer I, II & III
(all bitrates, all frequencies)

Streaming Protocols

- HTTP
- Raw UDP
- Multicast UDP

Server Requirement

- **Kersonic KS-1 Server**

Hardware Specifications

User interfaces

- LCD 320 x 240 pixels
- Resistive Touch Screen
- Jog Dial with Pushbutton

Data Interfaces

- Four 10/100BaseT Ethernet Ports
- Optional Wireless Network Card
- Two RS232/422 Serial Ports
- SmartMedia Memory Card Slot
- Optional PCMCIA Card Slot

Audio Interfaces

- Analog Stereo Outputs
- Internal Speakers
- Headphone Output
- Analog Stereo Inputs
- Internal Electret Microphone
- External Microphone Input

Audio Performance

- Frequency Response: 20Hz-20kHz
- Quantization: 24bit (linear)
- Sample Rates: 8-96kHz
- Signal-to-Noise Ratio > -88dBFS
- Distortion: < 0.01% @ 1kHz

Miscellaneous

- Anti-Theft Slot
- Dimensions: 8.5" x 7" x 3"
(215mm x 180mm x 75mm)
- Weight: 3.3lbs (1.5kg)
- Power Supply: 100~240V
- Power Consumption: 10W Max.
- Compliance: FCC, CE

HTML Browser Features

- **Full Screen:** More room to display information.
- **Touch-Screen & Jog-Dial:** For intuitive navigation.
- **Javascript:** For enhanced interactivity.

Audio Player Features

- **Streaming:** Listen to live feeds.
- **Multicasting:** Spare network bandwidth.
- **Transferring:** Read cuts from digital audio recorders.
- **File Playback:** Browse and play audio archives.
- **On-the-Fly Editing:** Define and save audio selections.
- **Multi-Format:** Open any broadcast file or stream.

For more information about Kersonic products, please send e-mail to info@kersonic.com

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