

# SPECTRA – i.Net®

## PRODUCT SHEET & SPECIFICATIONS

# RECORD, AUDIO, MPEG, PLAYER RAMP™ (MODEL RAMP)



### FUNCTION

- Designed to address paging and mass communication needs, the Spectra i.Net® System's RAMP™ (Record, Audio, Mpeg Player) offers the necessary features for a variety of audio announcement applications, ranging from public addresses to safety announcements.
- Eight independent, randomly accessible messages are available through both local and remote control. Messages may be recorded directly to the RAMP, expediting the update process in environments where messages change frequently. Continuous playback is available, allowing the operator to leave the application site while broadcasting. In addition, if more messaging is required, up to two twenty-five message modules can be added for a total of fifty-eight messages.
- The RAMP also incorporates the latest dynamic message length (DML) technology for increased memory efficiency.

### HIGHLIGHTED FEATURES

- + MPEG 1, Layer 3 (MP3) record and playback
- + Local Record capability
- + User-friendly controls
- + 8 Independent messages
- + Instantaneous, random access of messages
- + Flash memory, no battery backup required
- + DML - Dynamic Message Length
- + Line and microphone inputs
- + Line and speaker outputs
- + Shock and vibration resistant
- + Several playback modes
- + Playing relay
- + Rack mount kits available as an option
- + Serial (RS-232) control, setup and audio file transfer
- + MPEG 1, Layers 1, 2 & 3 playback capability
- + Synchronization relay for sequencing applications
- + Front mount LED indicators & manual controls for convenience in rack applications with optional rack mount kit.

## RECORD, AUDIO, MPEG, PLAYER - RAMP™

### – ENCLOSURE

- + 18 gauge cold rolled steel chassis; black powder coat, white silkscreen
- + Rack mount (option): 1U adapter

### – DIMENSIONS

- + Package: Wall mount chassis, 10" W x 8" D x 1.5" H

### – AUDIO CODING

- + Recording: MPEG 1, Layer 3(VBR)
- + Playback: MPEG 1, Layer 3(VBR) or MPEG 1, Layer 1, 2 & 3 via audio file transfer capability of the RAMP™

### – AUDIO QUALITY

- + Dynamic Range: 80dB, Typical
- + Signal to Noise: 80dB, Typical
- + Frequency Resp.: 50Hz to 15kHz
- + THD: <0.5% at 1kHz, Typical

### – AUDIO INPUT

- + Line: 10k ohm, RCA
- + Mic: 1.5k ohm, 1/8" mini jack
- + Level: +4dBm max., potentiometer

### – SYNC INPUT:

- + Interface: 10k ohm, RCA
- + Mic: 1.5k ohm, 1/8" mini jack
- + Mode: Audio sensor detects tones 100mS in duration

### – AUDIO OUTPUT

- + Line: 600 ohm(+4dBm max.), transformer isolated, RCA
- + Amplified: 4 watts into 8 ohm, 2 pin pluggable terminal
- + Level: Potentiometer

### – AUDIO MEMORY

- + Type: FLASH EPROM, Capacity: 32MB, 40 min local record

### – POWER REQUIREMENT

- + Input Voltage: 12vdc, 1am
- + Connection: 2 pin pluggable terminal

### – SERIAL INTERFACE

- + Type: RS-232
- + Mode: 9,600 or 15,200 baud, 8 data bits, 1 stop bit, no parity, no flow control
- + Commands: Play, Record, Stop, File Download, Status, etc.
- + Connection: 3 pin pluggable terminal

### – CONTROL I/O:

- + Control Inputs: Record, Stop, 8 individual messages. Start contacts.
- + Status Outputs: Playing, Sync
- + Output Type: Dry relay contact, 1A @24VDC non-inductive load
- + Connection: Pluggable terminal

### – REGULATORY AGENCY APPROVALS:

- + FCC, Part 15, Class A; UL/CSA approval on external power pack (sold separately)

**MASKING/PAGING UNITS ARE UL LISTED FOR USE IN AIR HANDLING SPACES**

### OTHER SYSTEMS ALSO AVAILABLE

Spectra®, CrossNetOne™, CrosswaysOne™