THE MOST POWERFUL & VERSATILE IN THE INDUSTRY

Making the CFSound IV the most configurable and powerful audio message repeater in the industry is the built-in BASIC that can optionally be used to script the CFSound IV's operation. Features include:

- **Event handling** - input trigger closures/opens, timers, data received, RTC, and more.
- **Variables** - long variable names, 'C' like string formatting/parsing/manipulation.
- **File system** - Long filenames, fixed/delimited/variable record length files, event logging, and file manipulation.
- **Direct control** - output contact relays, input triggers, sound playing, sending network commands & emails.
- **Functions** - 'C' like functions with variable passing and return, and callable line labels.
- **Command line Editor** - Via RS-232/USB/Telnet, program line entering/editing/renumbering, syntax error reporting, file management commands, input & print statement pathway, program execution start/stop.

Based on the proven quality and reliability of the prior four generations of the CF Sound, our CFSound IV is a digital audio repeater that can be used for interactive displays, standalone music, message announcement, exhibit control or automation. It is simple to operate and set-up and it will play your audio or control your exhibit for years and years with no tapes to wear out.

**EASY TO USE**

You simply record the audio files on your PC, Tablet, or smartphone, naming the files how you want them to be played. Copy the files to a Secure Digital (SD or Micro SD) card using a card reader, USB, or FTP. Connect speaker(s) and plug in the CFSound IV using the included wall transformer. Audio is simultaneously played out the built-in High Power Stereo speaker amplifier, Headphone jack, and line-level output jack to connect your own amplifier. Two contact sense input triggers, for triggering the playing of sound files with a switch or motion sensor, and one PTT dry contact output that closes when a sound file is being played, are built-in. The input triggers and output contacts can be expanded using any combination of CFSound Contact I/O modules in the CFSound IV's two expansion slots providing up to 50 input triggers and 16 output contacts.

- **Studio CD/DVD quality with no compression from the SD card using 8 & 16-bit, 8KHz-44KHz, PCM, WAV files**
- **Up to 108 hours of studio quality stereo audio playback from a 32gb SD card.** 1193 hours at 8bit 8kHz.
- **Two contact sense input triggers built-in for playing of audio files from normally open / closed switches, motion sensors, floor mats & more. Expandable to 50 input triggers!**
- **Background files can play continuously or on timed interval, in sequential or random order, while waiting for input triggers**
- **Play sound files at specific times and/or dates using the BASIC's Real Time Clock. Time & date can be automatically set over Ethernet via network time servers using NTP.**
- **Copy sound files directly to the user supplied SD card using a card reader or directly using USB or FTP via Ethernet/Internet**
- **Speakers wired via pluggable terminal block to the built-in Stereo speaker amplifier**
- **1/8" Stereo headphone jack for connecting headphones**
- **Line level output for connecting your own amplifier**
- **Line level input for passing through audio from another source when no sounds are playing**
- **PTT relay dry contact output activated when audio plays. Expandable to 16 contact outputs!**
- **Built-in optional use BASIC programming language allows for complete custom exhibit functionality & control**
- **VNC Server built-in for configuring and programming over Ethernet/Internet**

**FEATURE PACKED**
CFSound IV

**Simple to Use**
- Record or obtain PCM WAV files on your computer, tablet, or smart phone
- Name the files to control how you want them to play
- Copy them to a SD or Micro SD card
- Plug the SD card in the CFSound IV

**Quality Audio**
The CFSound IV's 44KHz 16-bit Stereo CD/DVD quality audio and built-in digital stereo amplifier will astound you. Connect a set of quality speakers and you will not believe the fidelity and power of what you hear. The built-in Class D amplifier generates unbelievably clear audio power with no heat - its digital right to the speakers! Turn it up, close your eyes and you will think that you're listening to expensive audio equipment - the quality is that superb.

**Expandable Modules**
The CFSound IV is expandable using CF Sound I/O modules. Up to two I/O modules can be added to provide additional contact inputs, contact outputs or a combination. Output modules provide individually controlled relay closures that can activate during play out of the corresponding audio file. Combination input/output modules are available to provide contact inputs for audio file triggering and relay closures during file playing. Studio lighting can be controlled via Art-Net™ DMX over Ethernet capability. Using the optional built-in BASIC the CFSound IV can be scripted to play audio, control the relays and respond to inputs to control the program flow and operation – entirely customizing the unit's operation.

**Specifications**
The CFSound IV digital audio system incorporates the following:
- Operates on 12-15VDC or POE (Optional Power Over Ethernet module required)
- Uses industry standard Secure Digital (SD or SDHC) cards up to 32GB capacity
- Stereo and Mono PCM WAV files, 8/16-bit, 44KHz sample rate
- 20 Watt high power Digital Class D Stereo Amplifier for 4 - 8 ohm speakers built-in
- 35mW Stereo headphone amplifier with 1/8” stereo jack for 16 - 64 ohm headphones built-in
- Line-level output via 1/8” stereo jack for connection to external amplifier
- Line-level input via 1/8” stereo jack for external audio pass-through when no file is playing
- Two built-in contact inputs for triggering audio file play - expandable to 30 using two Contact Sense 24 I/O modules
- Built-in contact output (PTT - Push To Talk) relay that can close when audio files are played - expandable to 16 using two Contact I/O 8 modules
- DMX lighting & sound playing capability via the built-in Art-Net™ network protocol
- Diagnostic LEDs to display unit's operation and SD card status
- Two expansion slots for expanding the number of Inputs and Outputs using I/O modules:
  - Contact Sense 8 provides 8 additional contact inputs, Contact Sense 24 provides 24 additional contact inputs,
  - Contact I/O 8 provides 8 additional contact inputs and 8 additional relay contact outputs
- RS-232 port for controlling operation via computer or PLC with simple ASCII protocol or optional BASIC program editor
- USB port configurable for file transfer to/from the SD card or serial port operation to/from a connected PC
- 10/100 Ethernet with TCP/IP network support, DHCP client, FTP server, VNC server, NTP client, Art-Net™ DMX protocol, SMTP email sending client and more
- Low power, 80mA idle, less than 250mA playing audio at a moderate volume level
- Available enclosed or non-enclosed, with or without wall transformer power supply
- Small size of only 6.1” x 4.2” x 1.75”
- One Year Warranty

ACS invented the first CF Sound playing audio from a compact flash card in 1997. Museums, State & Federal Parks, kiosk and amusement equipment manufacturers around the world have used our products for over 28 years. As the inventor of the technology, ACS has stayed ahead of the industry in quality and value.

**www.CFSIZEOUND.com**
6233 EAST SAWGRASS ROAD UNIT 2 SARASOTA, FL 34240