

DS03

MADI Data Recorder

MADI

The DS03 is a MADI data recorder. It records a raw input MADI stream to an internal SATA raid. The archived data can be accessed through the MADI output, or streamed via a web browser to a remote location.

Operation

The DS03 is designed for secure backup in live and broadcast applications.

Simple setup allows operation with minimal user intervention, leaving you to focus on primary tasks, and comfortable in the knowledge that your data is secure.



KEY FEATURES

- + MADI Input
- + Internal SATA RAID
- + Embedded design
- + Dual universal power supplies
- + Full front panel control
- + Ethernet control over LAN or WAN using open source OSC protocol
- + MADI output
- + Local web server
- + 2u 19" rack mount case

Control

Front panel status LED's monitor critical parameters such as internal temperature, fan speed, drive status and power supplies.

A backlit dot matrix LCD display with associated soft-keys allows access to the menu structure, and traditional transport controls show playback or record status.

Front panel transport controls can be locked out and password protected if necessary.

The DS03 has an Ethernet port, which can talk to a PC based GUI, using the open source OSC protocol. The GUI can control and monitor all major functions, in addition to streaming the MADI data file back to the computer.

The DS03 also hosts a web server, which allows the unit to be controlled via a web browser, allowing control and access to data files from any location, local or remote.

The GUI and web server can operate simultaneously.

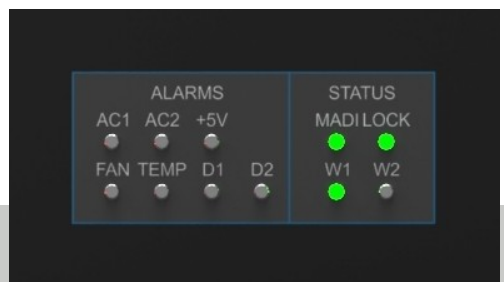
Security

The DS03 is an embedded design for security and reliability. There is no third party operating system, no boot drive, and no complex multi-rail power supply.

Dual universal single rail supplies are fitted for redundancy.

The disk format is proprietary, and designed for write speed, and recovery. For example, data is not dependant on an abstract FAT layer, making data recovery significantly easier to manage.

Two SATA drives are securely housed inside the rugged steel chassis. The drives are arranged in a RAID 1 configuration. In the unlikely event of a single disk failure, which would be indicated by an alarm, data is secured on the redundant drive.



Input—Output

- + MADI input on BNC
- + MADI output on BNC
- + Support for standard, extended and DESONO MADI modes
- + Word clock input on BNC
- + Word clock output on BNC
- + Balanced LTC input on XLR
- + Balanced LTC output on XLR

Storage

- + Internal 1.5TB SATA RAID 1 array

Control

- + LED status and alarm indicators for power, temperature, fan and drive status
- + Front panel backlit LCD
- + Ethernet Control using OSC protocol over UDP
- + PC based GUI
- + Host web server

General

- + Dual auto-ranging power supplies
- + 2u 19" rack mount case



MADI

The DS03 supports standard and extended MADI modes, in addition to the proprietary Desono MADI mode. The unit locks to either the incoming MADI stream, or an external word clock.

The format of the data embedded in the MADI stream isn't relevant as the DS03 just records the raw data stream.

Take Logger

The DS03 control protocol supports a sophisticated take logging system. You can manually trigger time stamped cues to mark certain events, or the unit can be auto-triggered.

Auto triggers include network events, whereby the recorder can be programmed to pick up record and cue information from other Desono products (such as a record command), and generate associated markers for recovery later.

All file and take information can be accessed from the front panel, PC GUI and via a web browser. The cue list can be edited and exported to an excel spreadsheet for auditing purposes, and generation of custom reports.