

Controller

Model 60



Features/Benefits

- ▲ Touch-screen graphic user interface software for system expansion
- ▲ Programmable search and shuttle capability
- ▲ Comprehensive status readout
- ▲ Optional time code search and shuttle
- ▲ Multi-function control of digital cassette recorders and data multiplexers
- ▲ Local and remote switching between system components
- ▲ Flexible hardware and software for system expansion

Controller Model 60

Typical Applications

- ▲ Missile test
- ▲ Aircraft test
- ▲ Telemetry
- ▲ Engine test
- ▲ Groundstation
- ▲ Sonar

Overview

The Sypris Controller Model 60 helps create an integrated turnkey recording system by controlling system components, including Sypris IRIG standard digital cassette recorders and Sypris data multiplexers/demultiplexers, when recording multiple asynchronous streams of data. Necessary software and cabling are included.

The Sypris Controller is operated through a graphical user interface that displays status information and uses standard recorder icons, computer graphics and instructions. Screens are displayed on a color LCD touch screen on the front of the controller. Recorder commands are input either via the touch screen or by the mouse.

The Sypris Controller is a “plug and play” unit. Quick and easy to install, all software is initialized at the factory, and no factory start-up is required.



Options

Interface configuration options

- ▲ Native
- ▲ Serial/Parallel
- ▲ High-Speed Differential
- ▲ RS-232

Time Code Option

The Sypris Controller time code option allows the controller to read the recorded IRIG time from the digital cassette recorder and use the time index to operate all of the controller's time-based functions: Search to Time, Shuttle Time to Time, Play from Time, Record for Period of Time, Copy from Time to Time and Copy from Time.

Playback Clock Option

The Sypris Controller playback clock option provides a clock source that can be used for the input clock to the recorder. The Digital Cassette Recorder Control Software controls the playback clock. The playback clock may also be used as a 0 to 40 Mbits/sec PCM simulator.

Digital Cassette Recorder Control Software

The digital cassette recorder software provides all control commands and displays recorder status. The software is written in a hierarchical format, beginning with general operating commands and moving through special function and diagnostic commands farther down in the tree structure.

Screens and Functions

Primary Control Screen



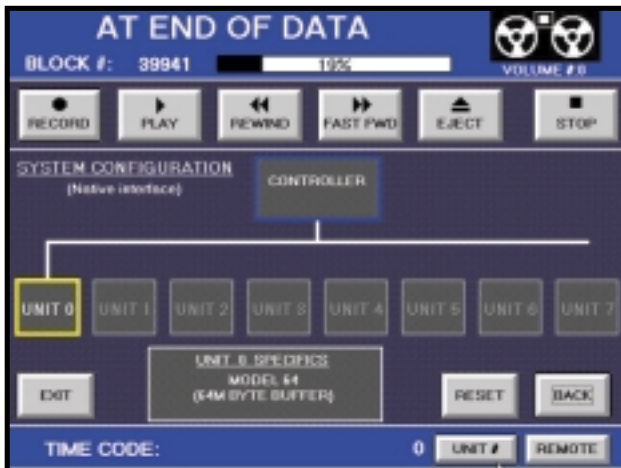
The primary control screen is the top level in the hierarchical structure. This screen contains all the major recorder control commands and status information. Recorder commands are issued by touching the appropriate command icon. Touching the menu button accesses the next level of command.

Search to Time Screen



The Search to Time screen allows an operator to enter the time of a point on tape to the day, hour and minute. When the EXECUTE command is touched, the recorder will search for and stop at a specified time on the tape.

System Configuration Screen



The system configuration screen allows an operator to control up to eight digital cassette recorders. The system configuration, interface, controller and recorders are displayed on the touch screen.

Menu Screen



The menu screen allows an operator access to the complete Sypris Controller hierarchical tree of commands. An operator can access the next screen in the hierarchy by selecting one of the displayed choices.

Menu Functions

Function	Function
Auto Eject	Reset Record Confidence Monitor
Auto File Mark	Record for Period of Time
Auto Track N	Record N Blocks
Bit Packing Density (set)	Search to Block #
Buffer Threshold - Play (set)	Search for End of Data
Buffer Threshold - Record (set)	Search to File Mark
Dub Block # to Block #	Search to Time
Dub Immediate	Shuttle Block # to Block #
Dub Time to Time	Tape Format Mode (select)
Play from Block #	Tape Write Protect Status
Play from Block # to Block #	Time Code Format (select)
Play from Time	View Transport History
Play N File Marks	View Software Version Numbers
Play Error Log	Volume Label (enter)
Playback Clock Setup	Frequency, On/Off
Maintenance	Recorder Maintenance and Setup

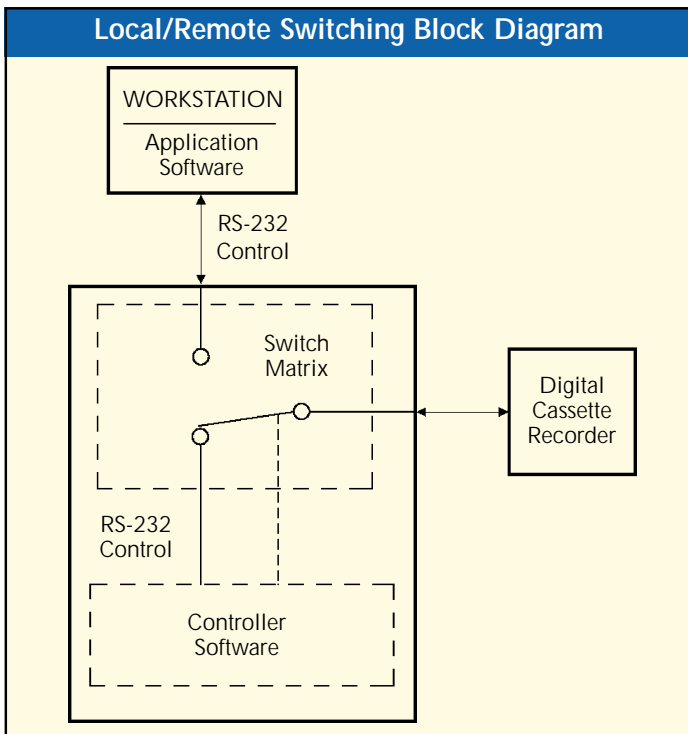
Maintenance Screen

The maintenance menu gives the operator or maintenance technician all tools necessary to maintain or calibrate a Buffered VLDS or Model 64 Digital Recorder.



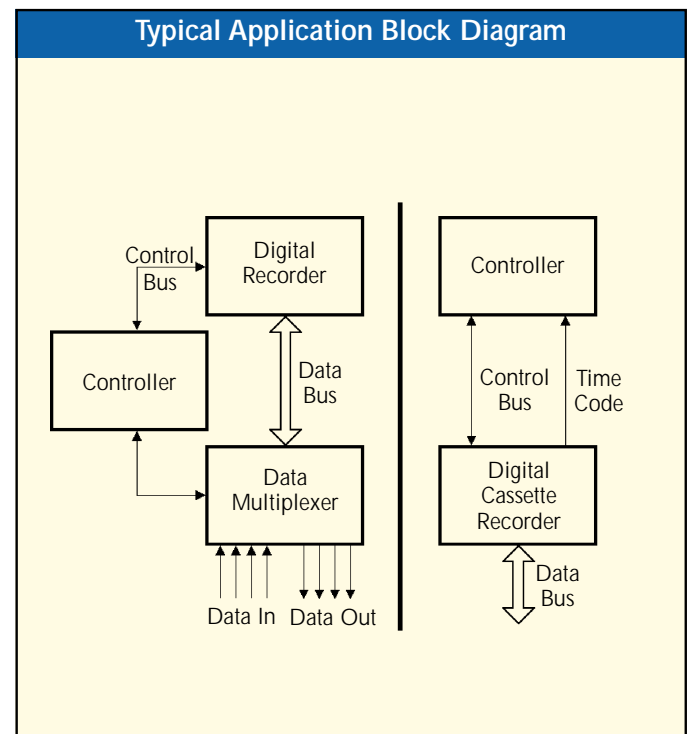
Remote/Local Control

The Sypris Controller Model 60 supports local and remote operation. An internal switch matrix attaches the control port of the recorder(s) to either a Sypris Controller or another control source. This allows for on-the-fly switching of control sources.



System Integration

To create an integrated, turnkey recording system, the Sypris Controller Model 60 uses a daisy-chained interface to support up to eight digital cassette recorders, depending on the type of control interface selected.



Data Multiplexer Control

For recording multiple streams of data, the Sypris Controller can be integrated with a data multiplexer, such as the Sypris ARMOR. ARMOR setup and control software runs as a separate task under Windows 9X, ME, 2000, or NT. The Sypris Controller can be integrated with a data multiplexer, such as the Sypris ARMOR. ARMOR setup and control software runs as a separate task under Windows 9X, ME, 2000, or NT. ARMOR setup and control software is operated using the included keyboard. *Request ARMOR product literature and specifications.*

Hardware, Software and Accessories

Quick and easy to install, the Sypris Controller includes all the hardware, software and accessories necessary to integrate with Sypris digital cassette recorders for a turnkey recording system. Sypris Controller components include:

- ▲ Controller software, including digital recorder control software and diagnostic software
- ▲ Standard 19-inch rackmount chassis with color LCD touch screen
- ▲ 3-1/2-inch floppy drive and hard drive
- ▲ Keyboard and mouse (not required for recorder control operations)
- ▲ Switching matrix for local/remote operation
- ▲ Cables
- ▲ IRIG time code reader (with time code option)
- ▲ PCM Simulator (with playback clock option)
- ▲ Time code interconnect cable (with time code option)
- ▲ Operator's manual
- ▲ Time code interconnect cable (with time code option)
- ▲ Operator's manual

Specifications

FUNCTION

Recorder interfaces	Native Serial/Parallel High Speed Differential RS-232
Multiplexer interfaces PCM Simulator (Playback Clock Option)	RS-232 0 to 40 Mbits/sec

ENVIRONMENT

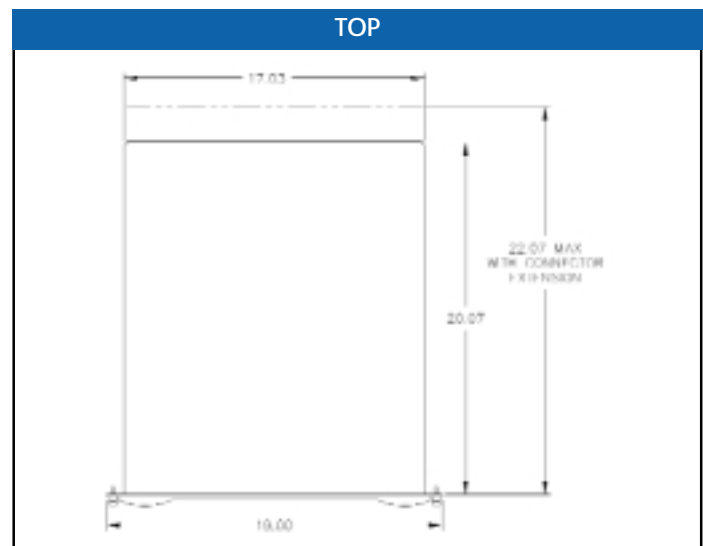
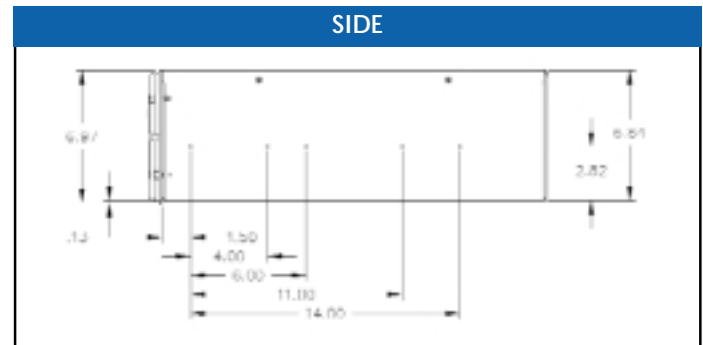
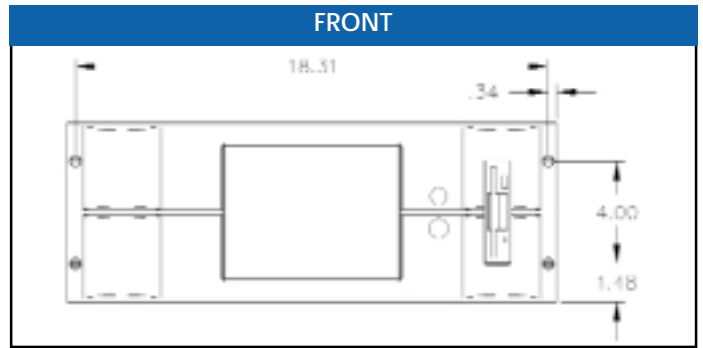
Temperature	5 to 40° C
Humidity	0 to 80%, non-condensing
Vibration	5 to 40 Hz, 0.65 g's peak 40 to 90 Hz, 0.3 g's peak

PHYSICAL

Size	19 W x 7 H x 19-1/2 L-inches
Weight	37 lbs (16.8 kg)

Specifications subject to change without notice.

Dimensions



Measurements in inches.

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To request product catalog, literature and specifications
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