



CB Electronics

**RM-6**

**OEM Serial Remote/Synchronizer**

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## CB ELECTRONICS

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### NEW 'RM-6' OEM Serial Remote/Synchronizer

- \* Six Serial Ports ..... 4 Output, 1 Output/Input, 1 Input/Keyboard
- \* Extended Sony Input Protocol ..... Flexible OEM Interface, Status Display
- \* RS422 Input ..... For use with Consoles, DAW or Video Editors
- \* Record and Record Track Arming ..... Available on all serial outputs
- \* GPI Input/Output ..... 6 CMOS inputs, 6 TTL outputs
- \* Timecode Output ..... Follows the master position and Offset
- \* Play Speed Timecode Output ..... Suitable for Automation
- \* Timecode Input ..... All outputs will chase remote code
- \* Built in P2 Synchroniser ..... Will synchronise any suitable 9-pin Machine
- \* Real or Virtual Master ..... Perfect Machine as Master, Tapeless Master
- \* Parallel Remote with tallies (SR-24) ..... SSL S29 format
- \* 1U Rack Mount ..... Mounts the SSL Computer Rack

### Output Protocols

- \* Sony P2 protocol ..... DAT's, VTR's, DA-88, ..
- \* Plug and Play ..... Sony P2 Auto recognition and Configuration
- \* ES BUS protocol ..... Studer D820/D827, AK ES 1.11
- \* Studer TLS4000 protocol ..... Studer Analog Tape Recorders
- \* Ampex Protocol ..... VPR-3, VPR-80, Timeline Lynx
- \* Midi Protocol ..... Tascam MX2424

The RM Synchroniser is designed to operate with a standard Sony 9-pin remote, using a scalable extended Sony protocol. OEM customers may extend their existing machine control using the functions they require, or develop full synchroniser interface with individual machine control and status display.

The RM Serial remote/Synchronizer uses experience gained from both the SR and MR series remote control system. Designed to be used with existing consoles and DAW's this unit will expand a single Sony Protocol serial port to five serial ports. The various serial protocol options allow the RM Synchronizer unit to act as a serial protocol converter.

A single machine or virtual machine(Generator) is controlled by the serial input, the chase function expands this to up to five machines. Record On and Off are sent to all record enabled machines. Record track arming is provided for up to 100 tracks and may be mapped over all machines either by the user or an automatic algorithm.

### Cyclic-Reporting: Serial control, Video Syncs and Timecode

A Sony Protocol serial interface requires either video syncs or timecode. Using the Cyclic-Reporting facility of the extended protocol only one RS422 or RS232 port is required as the messages are synchronised with the video frame edge. Benefits of cyclic-reporting include simpler multi-machine software, and a separate status display may be implemented with little software overhead.

### Compound Commands: Looping, Auto-edit, Rehearse, Instant Replay, Again

The extended protocol provides compound commands where a single command can initiate a repeat looping function, or locate and play function.

### EA-1 Sony Protocol Analyzer

Using the **SA-1** Sony Protocol Analyzer hardware the EA-1 Extended protocol Analyser gives an overview of the extended commands and status. This is available as a development and test tool.

## Windows demonstration/user software

Working demonstration/user software is available that includes the following functions:-

- Simple Transport Remote using Sony protocol

- Soft implementation of SR-4 using the extended protocol and Auto-Reporting

- Loop Control using the compound commands available in the extended protocol

- Multi-Machine Status Display using the Auto reporting facility

## RM-6 Rack Hub

