

Model 2600 A/V
November 23, 1990

Field Bulletin E-AV-1A
Version 1.01 Software



To: Users of Model 2600 A/V Audio Editor

SYSTEM 2600E

SYSTEM 2600 has recently undergone substantial changes and improvements. The SYSTEM 2600 chassis has been improved, the SYSTEM 2600 Power Supply module has been completely redesigned, and—most significantly—*major* software enhancements have been added to a number of other SYSTEM 2600 modules and to both the 2600 A/V Audio Editor and the 2600 CC Compact Controller. These new features supersede previous capabilities to such a dramatic extent that they constitute a new generation of SYSTEM 2600, which will be known as SYSTEM 2600E (Enhanced).

When upgraded to the latest hardware and software revisions, the 2600 A/V Audio Editor therefore will be known as the 2600 E-A/V. The initial software for the 2600 E-A/V is Version 1.01.

FIELD BULLETIN E-AV-1A

This bulletin announces Version 1.01 software for the 2600 E-A/V Audio Editor, the most significant increase in A/V capabilities since the first release of C:SOUND™.

NEW FEATURES INTRODUCED IN VERSION 1.01 SOFTWARE

- 1) Version 1.01 introduces Super-Sync™, a dramatic enhancement to conventional tape synchronization. Super-Sync provides two new synchronizing modes, Cross-Lock™ and Vari-Lock™. Cross-Lock—cross-frame-rate synchronization—allows original source material with 24-, 25- or 30-frame time code rates to be synchronized and edited together. Vari-Lock permits variable-speed synchronization, where material is played at some rate faster or slower than Playspeed for the purpose of expanding or compressing audio to fit or, perhaps more importantly, for the purpose of correcting out-of-sync material. Both Cross-Lock and Vari-Lock synchronization is precise and controlled. Cross-Locked material can be Vari-Locked; and edits are repeatable.

While Super-Sync's two new synchronizing modes are in themselves significant achievements, the straightforward, uncomplicated presentation of Super-Sync to the end-user is also noteworthy for its extraordinary ease of use.

- 2) The 2600 A/V now supports the Eventide H3000 Ultra-Harmonizer. When used in conjunction with Vari-Lock operations, expansion or compression of taped audio material can take place without a change of audio pitch.
- 3) Version 1.01 supports the Adams-Smith Model 2600 E-TMI Track Management Interface. In addition, some new track management functions have been added which are available in installations without a 2600 E-TMI.

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- 4) An additional 20 Function Keys have been provided, making available a total of 40 different user-defined macro functions.
- 5) The 2600 E-AV's UP-ARROW and DOWN-ARROW keys now scroll HELP screens which extend beyond one display page.
- 6) Two new lock types, both variations of "auto" lock have been added. "Instant" auto lock forces a switch to Freewheel lock *immediately* after address lock has been achieved. "Special" auto lock forces *all* control of a transport to be given up immediately after address lock has been achieved.
- 7) It is now possible to trigger manually from the 2600 E-AV's keyboard any of the eight E-AV events configured as pulse outputs. The triggering keystroke can also be incorporated into a Function Key macro.
- 8) When reading in CMX edit decision lists, any machines that are currently clutched to the master will be added to the list.
- 9) A new feature has been added to the MIDI Menu, permitting the assignment of the 2600 E-AV's keys to MIDI notes. This allows a MIDI keyboard to control any E-AV non-menu keystroke function.
- 10) Two new EDL sort sequences have been added. Sort by Track Number will sort the list by the Record, track in ascending sequence (if the Record track for two events is the same, those events will be sorted by Master-In time). Sort by Keyword will sort the list according to the first note line of an event.
- 11) The printouts of internal E-AV lists (EDL, Memo, MIDI) now include column headers. In addition, it is now possible to skip a line between events.
- 12) A new system configuration parameter has been added which allows the 2600 E-LG LTC Generator module to be used as the master for Loops and Replays.
- 13) A new option has been added to the E-AV Trigger Assignment dialog, allowing the pulse to operate on an ALLSTOP.
- 14) With Version 1.01 software, the 2600 E-AV now supports Record tallies from Record transports.
- 15) Version 1.01 software adds two new keys, VARI/SET and MK-SAV/MK-RCL.

CHANGES IN VERSION 1.01 SOFTWARE

- 1) Film feet and frames data entry and display have been simplified. Any transport configured for feet-and-frames display automatically defaults to data entry in the same format. The FEET/FRAMES key now toggles between feet-and-frames and timecode formats. Negative feet-and-frame numbers are now supported for trimming.
- 2) With the exception only of Preview/Record Advances, all timecode values are now entered as HH:MM:SS:FF, and therefore the system option for entering durations as timecodes has been removed.
- 3) To permit easier adjustments of edit times based on the master's IN and OUT times, source transports' In and Out times are no longer automatically computed.

- 4) When ERROR is displayed in the far right column of the marks table, the master's frames and sub-frames error is now included to provide a means of checking whether the system frame reference (such as "house sync") has been fed to a video master.
- 5) A brown "(S)" will be displayed in the heading of the third column of the marks table (shared by the SYNC, DURATION, OFFSET AND VARI-LOCK displays) whenever SYNC is not being displayed and a Sync Point has been established for one or more transports.
- 6) When a time code boundary has been set, the display of time code or error in the marks table, will now turn red only if the boundary is exceeded.
- 7) If a RECORD-EDIT is attempted when no transports are Record-Enabled, the edit will now be permitted to proceed with a warning message, instead of being prevented.
- 8) The name of Status Output type 1 has been changed from "all locked (mute)" to "Mute". A new status output—type 4, called "All Locked"—has been added. This output will turn on whenever all slaves are locked to the master, regardless of whether or not a loop, replay or edit is in progress.
- 9) Blank number fields, such as unused Sync Point fields, are now displayed in EDLs as blanks, instead of zeros.
- 10) The 2600 E-A/V's transport library has been updated.
- 11) Fields have been added to or removed from the following screens:
MACHINE ASSIGNMENTS PAGE 2—MACHINE PARAMETERS
SYSTEM CONFIGURATION (INIT MENU 1)
SYSTEM OPTIONS (INIT MENU 4)
E-A/V TRIGGER ASSIGNMENTS (GPI MENU 4)
TRIGGER SETUP (GIP MENU 6)
MIDI MENU
SET MIDI OPERATING MODES (MIDI MENU 1)
LIST GOTO
- 12) It is now possible to create Memo List entries with SYNC points only (i.e., IN points are no longer required).
- 13) The LIST GOTO dialogs for EDLs, Memo Lists and MIDI Lists now include an additional field which can be used to request a search for another occurrence of the search string.
- 14) It is now possible to specify via the Trigger Setup dialog whether GPI triggers are to be saved in the Working EDL or not (formerly, all trigger information was always saved).
- 15) Two keycap legends have been changed: MK-SAV/C-RCL has been changed to MARK SYNC; and CONST has been changed to CONST/C-RCL.

CORRECTIONS IN VERSION 1.01 SOFTWARE

- 1) The Record Edit Active status output will no longer come on during a Preview edit.
- 2) The internal date will now change at midnight as it ought.

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REQUIREMENTS FOR VERSION 1.01 SOFTWARE

- 1) Full use of all features of Version 1.01 software requires any 2600 E-SY Synchronizer modules in a 2600 E-AV installation to have been fitted with software Version 1.00.
- 2) Version 1.01 software requires any 2600 E-SCO Serial Communications Option PCBs used with Synchronizer modules in a 2600 E-AV installation to have been fitted with software Version 1.00.
- 3) Version 1.01 software requires four new keycaps for the 2600 E-AV's keyboard.

In the U.S., Version 1.01 software kits (software and keycaps), with installation and operating instructions, are available from the factory at \$295/kit for the first kit and \$195/kit for each additional kit ordered at the same time, plus (in the U.S.) \$15.00/order for handling, surface shipping costs, and sales taxes. Payment must accompany an order for Version 1.01 software. Please specify 3-1/2" or 5-1/4" floppy disks.

Outside the U.S., Version 1.01 software is available from any SYSTEM 2600E dealer or distributor.