

Release Notes for V1.52 System software for TASCAM SX-1, SX-1LE and SX-1LE Plus

V1.52 is a minor upgrade to the TASCAM SX-1, SX-1LE and SX-1LE Plus audio workstations containing enhancements and maintenance for the system software.

Note to SX-1LE users: If you purchased the Antares or TC Reverb effects, you will need to re-install these after upgrading as they will be deleted during the installation.

New Features:

- A Tremolo mode has been added to the AutoPan effect.
- New Sample Rate Converter Algorithm. The existing modes “Fast, Moderate, Normal and Ultra” are now called “Type 1”, and a “Type 2 Optimal” algorithm has been added. This is derived from GigaStudio technology, and processes about 2 orders of magnitude faster than the Type 1 algorithms, with indistinguishable quality compared to “Type 1 Ultra”.
 - Note: All Sample Rate Converter algorithms can expose "digital over" issues if the source material is close to 0dBFS. If you are converting "mixdown" audio or other hot tracks, you may need to do an offline gain reduction processing pass to prepare the track.first.
- A Simple Reverb effect has been added. This is a re-creation of the public domain “Freeverb” plug-in for the SX-1, it has been tuned to run even when the TC-Reverb has been chosen for one of the effects slots, so the user now has the ability to run 4 reverbs (2 TC Reverb, 2 Freeverb) for creating more complicated mixes.
- Dimmer on Timecode display. An option has been implemented to dim the front panel LED Timecode display, which may be too bright for a darker room. See the LCD Preferences screen, “etc” page.
- MIDI controllers “copy to all channels” option. The following commands have been added to the VGA MIDI controller menu and the LCD MIDI Channel page:
 - Copy current controller mapping to all 16 channels in this bank.
 - Copy current controller mapping to all channels on all banks
 - Copy current channel’s full mapping to all 16 channels in this bank
 - Copy current channel’s full mapping to all channels on all banks.
- Encoder Rings can now be used as level meters. Press Cancel + Shift + 6 on the front panel data entry keypad to enable this mode. Touching a knob or encoder control button will revert the display automatically.
- Mouse Sensitivity can now be adjusted. The LCD Preferences screen “etc” page has this control. The range is 0-32, where 24 is the default, and this is correct for the mouse that ships with the SX-1. Higher numbers represent larger response of the on-screen mouse to the physical mouse.
- SCSI Configuration can now be adjusted between Wide (16 bit devices) and Narrow (8 bit devices), to improve compatibility with some drives. The setting is on the LCD Preferences screen “etc” page. The setting affects the SCSI sub-system the next time the SX-1 is turned on.
- The Factory Presets for the various libraries can now be hidden from view in the library lists. On both the LCD and VGA User Interfaces is a toggle button for this function.

Maintenance:

- On the VGA Track screen, if the lower section was minimized completely, double clicking on an audio event would cause the VGA display to freeze and become unusable. This has been fixed.
- A sequence of events involving Mixdown mode and the FTP server was confirmed to cause a hard disk engine freeze. This has been fixed.
- Project Templates were not functional in V1.51. This has been fixed.
- When switching to a screen on the VGA that contains a Clip Browser, a progress bar now appears to show that the machine is busy caching the list contents.
- Front panel mute, solo and rec buttons for MIDI bank D channel 16 were not functional. This has been fixed.
- VGA on-screen faders for Mixer screen, MIDI banks B, C and D were not fully functional. This has been fixed.
- A problem where the REC button LED would blink where it should be solid ON has been fixed.
- A problem where mix-down mixes would inherit previously set routings and show unnecessary multiple destinations has been fixed.
- When a stereo channel pair had its pan mode set to “pos/width”, the width parameter would always revert to “0” on project load if that control had no dynamic automation. This has been fixed so the width value is correctly restored in all cases.
- A problem with Insert routing for the SPDIFs to the Master channel, resulting in either no-audio or a feedback loop, has been fixed.
- When loading a V1.50 project into V1.51, a warning about compatibility of the data was posted. This was unnecessary, and V1.52 is also completely compatible with V1.50 projects, so there is no message displayed.
- When the user attempts to create a CD with data that is too large to fit on the media, a cryptic message was displayed. This has been changed to be easily understood.
- When MAIN DISPLAY = External was selected and the front panel PROJECT button was pressed, the VGA would always switch to the Project screen, NEW Project Tab. This has been changed to go to the tab that the user last visited on that page. Similarly for the Automation screen, the previously displayed tab is now restored.
- When Overview memory is exhausted, the VGA and LCD track screen displays revert to simple blocks for the audio instead of waveform overviews. This case is now detected, and a warning message is posted to alert the user.
- A problem where REC FN buttons for the HDR engine would not work immediately after creating a new project from a previous project’s template has been fixed.
- The Selected VGA skin color is now remembered for the next time the SX-1 is launched.

Known Issues and Tips:

- Although the SX-1 supports up to 768MB of memory, configurations above 512MB can cause problems with CD creation. 512MB is the optimal memory configuration recommended by TASCAM.
- Maximum IDE hard disk size is 120GB. 160GB and greater IDE drives may be used, but they will be formatted as approx 128GB total, with about 120GB available for audio recording.
- Maximum official SCSI hard disk size is 36GB. SCSI hard drives between 36GB and 73GB may work, but are not officially supported. Drives larger than 73GB should never be used. Some drives may need the SCSI bus to be restricted to NARROW (8 bits) to be correctly recognized. Some drives are not able to be formatted by the SX-1, and may need to be formatted on another computer before being recognized by the SX-1 as recordable volumes.
- As noted in the SX-1 V1.50 Manual, some pre-formatted HFS+ drives cannot be mounted by the SX-1, and may prevent the SX-1 from booting. Please format using the Mac OS Drive Setup tool prior to connecting the drive.
- When naming takes in the VGA, take care to press ENTER or TAB or click another name field in the UI when you have finished typing a take name, otherwise it will be ignored and the previous name will remain.
- From the LCD UI, changing the TC Reverb IR DLY parameter does not immediately update the TAILDY displayed value. The TAILDY time is the sum of the IR DLY and the TAILDY controls. This does not affect reverb operation.
- CD-RW Media rated at 10x speed or higher is not recognized by the drive. This is a hardware limitation; please use CD-RW media rated at maximum 4x write speed. Most CD-R media is recognized.