



Software Release Notes.

Date: 16th June 2006

Note Number: SB005

Distributed To: All Distributors

Raised by: Andy Thompson

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SoundTracs DS00 + DS00B

Maintenance Release Notes: V1.94

Please refer to Technical Note: **TN148** for full installation instructions:

NB: If you are upgrading software on a system with redundant or spare drives, make sure to update both drives. The easiest way to achieve this is to copy the Application Software, Incoming, Backup and Projects directories from the C:\ drive to D:\.

New features:

- Introduced New Rack Card types: Aviom A-Net and EtherSound. Sockets file should contain the words Aviom or Ether (or first three letters only). Eg. **MADI r-s = AVI** where r is rack number and s is slot number. Please follow the upgrade instructions if you wish to upgrade your racks. Note that all racks should be upgraded at the same.
 - Release includes new versions of Optocore (1.34), and Rack code (which fix sync issues and DRAM initialisation and a fix for ignoring 0dB values for mic gains). Please follow the upgrade instructions if you wish to upgrade your racks. Note that all racks should be upgraded at the same.
 - There are New Timecode Card fixes for MIDI input and Locate Points. Please refer to appropriate Tech note describing this upgrade or contact DiGiCo/Support (support@digiconsoles.com).
 - The Options panel has a new button: **Save startup session on exit.**
 - An on-screen Monitors Level rotary has been added to the Monitor Matrix panel. This duplicates the Control Room Level on the master surface.
 - Engine code has been adjusted so that Meter Ballistics Attack is more accurate. A third default preset has been added: Concert sets Attack to 2ms and Release to 200.
 - Gain Track switches at the top of Input Channels are now part of ganging.
- Optocore version 1.34 (supporting DD32 and external sync) is included and recommended, although version 1.10 (original) is supported for compatibility.



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All connected devices must be running the same Optocore version - they cannot be mixed, but DiGiRack.exe allows you to choose which version to use when updating them.

New rack code may be included, so DiGiRack.exe must be run to upgrade all racks, stage and local, and Optocore if required.

- Touching to assign the input rotary to Gain or Trim now works across a surface with the All button.

Bug fixes

Changes since v 1.85

The Update Master button on the Snapshots panel has been renamed Update Group. When pressed, if non-relative controllers (such as Pan or EQ Frequency) have changed, the master and all relative snapshots in a group are inspected and updated if their values match the current snapshot. (For an EQ band, Frequency and Q must both match).

On-board Effects controllers are excluded from the Update Group command - they are only be stored in a snapshot with the Insert, Replace Current and Edit commands.

Errors have been fixed in automation recording relating to Write To Start, Locates and Jogging while controllers stay in Record.

Write To Start and Write To End are both now limited to overwriting only the period between the start and end points. Normal recording is preserved outside these limits.

Aviom and EtherSound cards are supported in the application.

Changes since v 1.71

A new Timecode.hex fixes problems with MIDI input and with locate points. TCtestF.exe should be run to flash this code.

The Talkback Dim Gain is now applied to Control Room output even when Cal 1 or 2 is pressed.



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Stereo channels now invert both sides of the input when the Phase switch is pressed, not just the left.

Gain Track switches at the top of Input Channels are now part of ganging.

Touching to assign the input rotary to Gain or Trim now works across a surface with the All button.

FX and IPC routing retained across different hardware configurations.

Remote control of gains on local racks now possible on a remote PC or RE.

Changes since v 1.50

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The Control Room Level now appears on the Monitor Matrix screen as rotary. This is for setting the monitoring level on an RE with no master surface.

The Options panel has a new button: Save startup session on exit. This is on by default, but switching it off prevents the file startup.ses from being overwritten, allowing the console to always start up in the same state.

In unattended security mode, the password field is now visible in a popup window. This avoids losing the input focus and being unable to return. The default password for unlocking the Unattended Security mode is now DS00, not D5 (and not DS00B), although this can now be changed in the INI file.

The RS232 port is not opened if there are no Optocore racks declared in DiGiConfig (Stored as RackTally=0 in the INI file) to allow other devices to be connected to COM1. The RS232 buffer has been adjusted to avoid the error message "Optocore message buffer overflow".

The buffer space for Macros has been doubled to allow more room for text.

MIDI Patch Recall is now fully mirrored, to enable a remote surface to cause MIDI output on the console. Recalling MIDI from Macros also follows this rule.

Remote Talkback switch now duplicates Talk B.

HP & LP input filter in/out switches are now change-detected so that dynamic automation doesn't cause the momentary mute unless these switches change state.



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A Snapshot Safe button has been added to each FX panel. This allows some FX slots (such as output graphic EQs) to remain independent of any snapshot recall. Each Graphic EQ channel (or stereo pair) has its own switch.

The current snapshot number is now stored in NVRAM and recalled when recovering to highlight the correct position in the snapshot list. It is not actually fired since all audio parameters are already stored in NVRAM, including those from the current snapshot and those adjusted manually since it was fired.

New buttons have been added to the Consoles & Racks panel. Enable Gain-Tracking allows the automatic compensation of gain changes to be switched off globally, across all input channels, while still retaining each channel's Gain-Track switch setting, ready for when the Enable button is pressed again.

The other new button on the Consoles & Racks panel switches between Optocore and MADI inputs. This button only applies to Optocore inputs flagged in DiGiConfig as Copy To MADI.

The number of tracks permissible when using track arming has been increased to 64 (8 ana 56 dig) for compatibility with DiGiTracs. This includes a change to QFTimer.dll and Timecode.hex (download with TCtestF.exe).

The area to touch to access input channel insert routing is now displayed as a proper routing view button.

Load Session, FX Configuration and Changing Control Group membership are now mirrored properly.

Control Group membership is now recalled by Snapshots even to Safe Channels.

A Reset Racks command has been added to the System | Service menu.

Snapshot Timecode Control

The previous LocateTo field has been renamed PlayFrom and a new LocateTo field added after PlayTo.

- PlayFrom does a Locate then presses Transport Play if not already playing.
- PlayTo presses Transport Play if not already playing, and sets up an automatic Transport Stop when the PlayTo time is reached.



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- If PlayTo and LocateTo are specified in a snapshot, a Locate will be generated after the Transport Stop when the PlayTo time is reached.
- If Locate To is specified on its own, it simply does the Locate.

Any manual transport control cancels any pending Stops or Locates, otherwise they persist beyond the current snapshot until actioned or another snapshot sets up a different Stop or Locate time.

Relative Snapshots

These now works differently for non-dB controllers. For dB controllers (gains, faders), there is no change, but for all other continuous controllers (Dynamics times, EQ Frequency & Q, Pans), Update Master now copies the new master data to all its relatives where these values were the same. For EQ, all parameters for a band must be the same. This has the effect of making non-dB controllers absolute instead of relative, while still retaining the flexibility of changing a group of snapshots together or changing individual snapshots within the relative group.

Update Current Snapshot when the current is a Master now updates absolute controllers in the following Relatives in the same way that Update Master does when a Relative is current.

Changes since v 1.01

Multiple Ethernet Connections are now possible (a network hub of some sort will be required). The Sync Session or Mirroring panels present a list of connected consoles or remotes to choose from.

Snapshots

Touch To Fire can be switched off to prevent screen touches from firing snapshots.

Step-Time progress is now indicated by a red bar beneath the Step-Time button to the left of the Snapshot List.

Renumber Snapshots displays a panel allowing entry of start and end numbers and step size. Only those snapshots within the number range selected will be affected.

Improved Scope control for recalling channel names when firing snapshots.



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On-Board FX

Effects panels now display names (and numbers) of channels or outputs feeding the Effects Processors.

Graphic EQs now have antizippering on band gains for silent operation.

MIDI Sequence Files

The new combination MIDI/GPI/GPO card is now supported as MIDI ports A & B. The original timecode port is designated MIDI port T. The port letter may be prefixed on any line of the MIDI Patches Editor before the MIDI channel number (separated by spaces). If the port letter is omitted, T is assumed.

MIDI sequence files can be played out of ports A and B. They must be .MID files in format 0 (one track only) and are quoted in the MIDI Patches Editor as

<port> file <filename>

eg. A file test.mid

A path can precede the filename, otherwise the current session folder is assumed. Only short filenames (8.3 characters) are accepted.

This file is then downloaded to the new card and starts playing when the MIDI Patch is fired. The new Sequence File Start and Play buttons on the MIDI panel then become effective. Press Stop to pause, then Play to restart from the same place or re-fire the MIDI Patch to play again from the beginning of the file. This remains possible until the file is played to the end or another Patch is fired with another sequence file for the same port. Other MIDI messages may be sent to the same port without affecting the sequence playback.

Other Changes

Boot Logging is now enabled, writing to FaultLog.txt in the Windows folder.

Macro scripts controlling relays can now issue relay pulses. Relay n = PULSE is an alternative to Relay n = ON or Relay n = OFF.

A message pops up when routing channel Direct Sends to FX or IPCs warning that these are always pre-fader and pre-mute



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The Talkback Presets will not load from previous versions and must be recreated manually. This because Talkback Identifiers were different between 124-bus engine sessions and 40-bus engine sessions. They now all match the 124-bus standard for future compatibility.