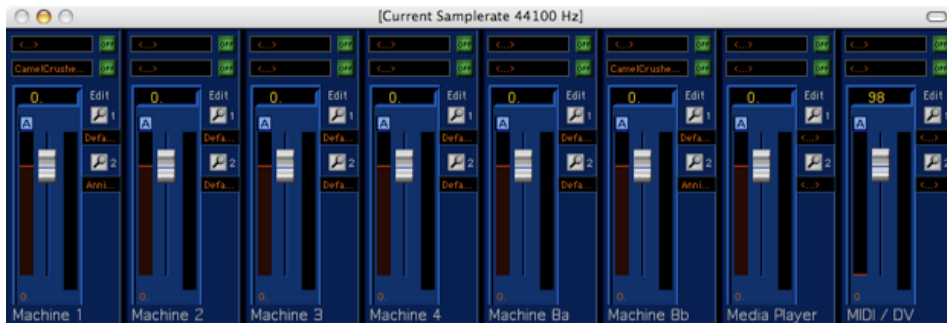


NEW IN TH-S CL/XL4:

Two VST Plugin inserts per Player, all parameters can be saved per snapshot



The parameters of all VST-Plugins can be saved and recalled per snapshot. With this powerful tool one is able to create and prepare complex effects playbacks without external audio hardware.

Also Live signals from i.e. wireless microphones can be processed with the VST effects. Clicking the EDIT button opens the user interface of the plugin, <Shift> clicking on it saves the parameters to the current snapshot.

MIDI Keyboard onscreen/extern for playing VST-Instruments



For working with VST-Instruments the VSTi-Keyboard is available.

By clicking on the appropriate keys the triggering of VST samplers/synthesizers loaded in the first plugin insert of player 1 is possible.

The keys stay „pressed“ until another click on the key occurs or the global NOTE OFF button is clicked.

This allows fast and easy creation of sound layers or atmospheres. The position of the clicks on the key thereby defines the velocity (0 – 127, disconnectible)

In addition the VST-Instruments can be played live with an external keyboard on MIDI channel 9.

The results can be played out via SIGMA1 paths or the matrix outputs with simultaneous recording up to 24 output channels (1 – 3x 8channel interleaved, see below).

Live-Recording of mixes, SIGMA1 paths and VSTi over 1–24 output channels + Output Metering channel 1–24

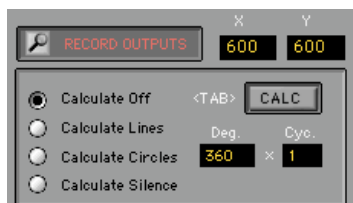


The Recording window allows quick and comfortable recordings within TH-S v4.

When selecting a recording format with the green popup menu a appropriate multichannel audio file is created (1 – 3x 8channels interleaved) and the recording engine is set to standby (blinking record button).

Starting a arbitrary machine also automatically starts the recording until the record button is pushed. All signals from the selected physical outputs are recorded to the multichannel file.

This allows a very fast creation of mixes with i.e. the Mackie Control from within the auditorium or studio together with VST instruments, SIGMA1 paths etc.



Also Live signals (i.e. wireless microphones) can be mixed or recorded on differnt output channels. Different „tryout“ versions of mixes in the auditorium can now be recorded and easily reproduced.

The so created multichannel files can be used instantly within the playlist of a multichannel machine (8a/8b).

Together with the possibilities in the OUTPUT window one can also easily create i.e. 5.1 downmixes from complex multi loudspeaker setups.

36 Delays in the outputs 0–999ms

TH-S	DEL ms	INTERFACE
Out 1 ->	32.	Off
Out 2 ->	76.	Off
Out 3 ->	106.	Off
Out 4 ->	176.	Off
Out 5 ->	202.	Off
Out 6 ->	250.	Off
Out 7 ->	0.	Off
Out 8 ->	0.	Off
Out 9 ->	0.	Off
Out 10 ->	0.	Off
Out 11 ->	0.	Off
Out 12 ->	0.	Off

Now TH-S allows the easy integration of source-oriented playback with surround-oriented playback.

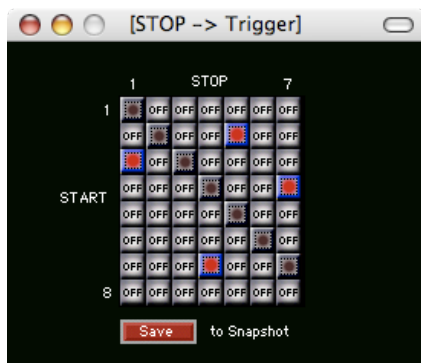
In this example the matrix outputs 1 – 6 use increasing delay times for feeding delay-line speakers for „Front Detection“. Matrix outputs 7 – 12 are used for surround playbacks with 0 sec delay time.

The interesting part is here that even if one would have only 6 physical outputs one could easily map the matrix outputs 7 – 12 to the same physical outputs (yellow).

In the example above one would set the (yellow) physical outputs from 1 – 6 for the first six matrix outputs and also for outputs 7 – 12 therefore downmixing outputs 1 – 12 to the physical outputs 1 – 6.

Because of the amount of delays and the flexibility to mix them to arbitrary outputs this possibility can of course also be used for i.e. room reflections simulation or effects playout.

STOP -> Trigger allows triggering of machines through stopping of others



By activating matrix crosspoints it is possible to create complex playback relations and combinations.

If a machine stops at the end of a file or is manually stopped in the STOP -> AUTOCUE mode, the selected machine is instantly started.

The combination of matrix points is stored within a snapshot ("SAVE to Snapshot " saves into the current snapshot). In the example above, the stopping Machine1 starts Machine3, M4 triggers M7, M5 triggers M2 and M7 triggers M4, leads to a loop M4-M7

Interleaver now allows the selection between left and right channel of a stereo file for creation of a multichannel file



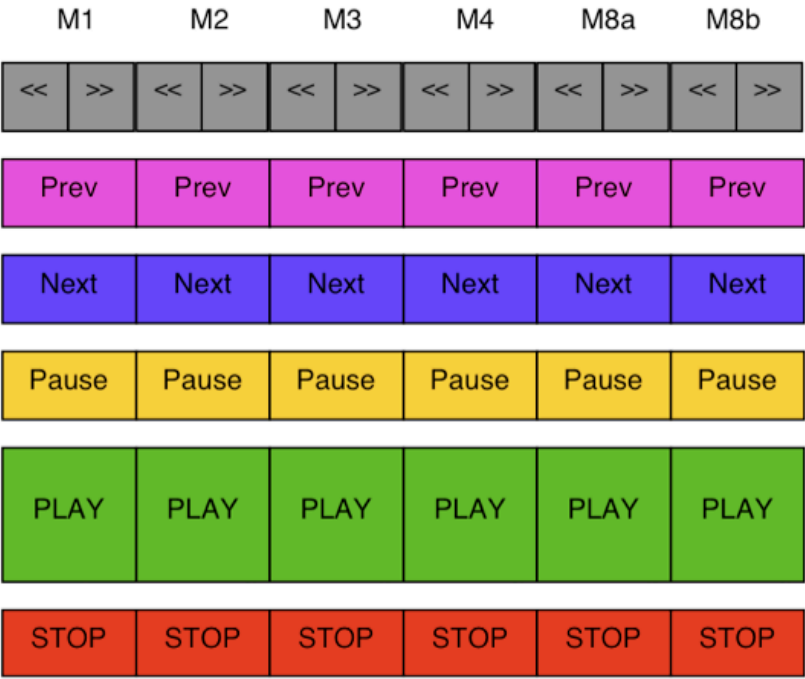
By selecting L or R before bouncing one can select which channel of a stereo file will be used in the appropriate multitrack channel later.

The default setting is shown above (before only the left channel of a stereo file was chosen).

Supports the new USB42 and USB56 Remotes

Size: 259 x 191 x 46 mm

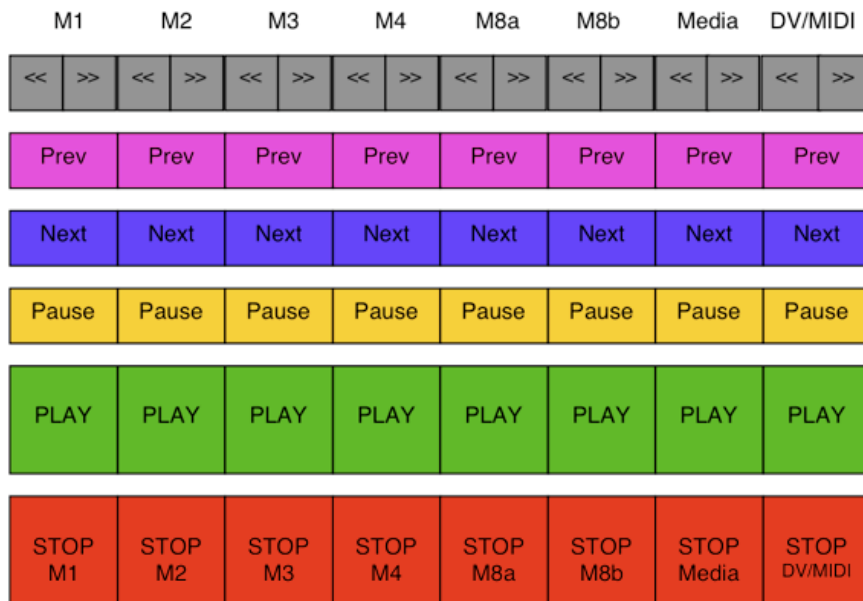
Locking Switch



In comparison the PLAY button has the size of 4 buttons of the USB20 remote, STOP,PAUSE,NEXT,PREV have the size of 2 buttons
USB42 supports 6 players (it is possible to replace one player with the MediaPlayer)

Size: 356 x 234 x 51 mm

Locking Switch



The slightly bigger USB56 Remote supports all 8 players, the STOP button has also the size of 4 buttons.

These remotes allow a still more secure handling during stressful rehearsals and performances also they have a bigger footprint than the USB20.

In v4 all USB remotes keep on working even if TH-S is sent to background.

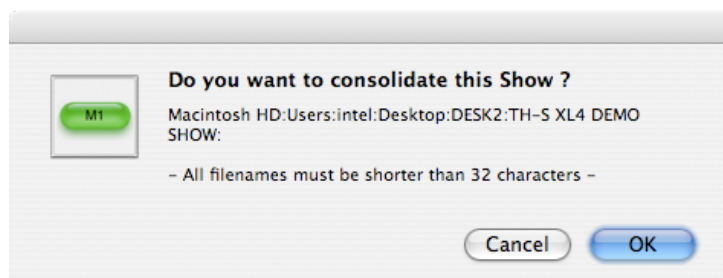
Consolidates Stereo Files in M8a and M8b

SpeedConsolidator allows consolidation of a complete show via drag&drop (5–8 times faster, OSX only)



The SpeedConsolidator is a small applet that uses system routines to copy the huge amounts of audio data of a complete show into the appropriate machine folders. Also the playlist are modified accordingly.

This is achieved by dragging&dropping a complete SHOW TEMPLATE folder (NOT the individual machine folders) onto the SpeedConsolidator Icon or by doubleclicking on the icon and choosing the relevant show.



For all playlists automatic backup lists are created during the process. The speed increase for a complete consolidation is around 5 to 8 !

Storing of fader values via MIDI Remote

Mackie Control (XT): Touch the fader of the player and press the Auto On/Off (Isolate) button

Motormix: Keep Shift pressed and press the Auto On/Off (Isolate) button

IMPORTANT in v4 on OSX:

TH-S CL/XL4 no longer works with bundle icons !

This means that one has to name the show by naming the folder and NOT the application.

The application inside each show folder MUST NOT be renamed.

One advantage is that now the machine folders are accessible by finder operations and i.e. spotlight searches

More enhancements:

HD Video-Playout optimized for Quicktime7, Video with Multichannel Audio supported

Pause button onscreen

Adjusted Start/Stop times within the editor are reflected in the cuelist

ReWire update for Intel Macs

Drag&Drop directly from iTunes library

"m" shortcut for META Player window

Compatible with OSX 10.5 (Leopard)

Bug Fixes