V1.72 is a maintenance release of iLive firmware to fix known issues.

Note 1: **For Surfaces fitted with the newer TouchScreen computer (SBC) types** introduced in late 2010 - Firmware versions 1.70 and older will not run. Also, firmware version 1.71 cannot be restored after updating to forthcoming new features release 1.8. However, the user can downgrade from 1.8 to this version 1.72 if the 1.7 feature set is required.

> The new SBC types are: Fujitsu (T80, T112) and Advantech (R72)
> The earlier Axiomtek type is not affected.

To find out the SBC type open the TouchScreen **UTILITY / Firmware / Firmware Versions** page.

Note 2: Firmware version **1.6 and higher will not install on early iLive Surfaces fitted with the 1GHz** TouchScreen computer (SBC). This affects only a few very early modular iLive Surfaces. Most modular iLive and all fixed format T and R Series Surfaces are fitted with the faster 1.5GHz SBC. If you attempt to update a 1GHz system to V1.7 the firmware will load but an 'Invalid Firmware Version' screen will appear after the update. You can restore the previous version V1.54 from this screen. The older version is bundled as a backup with this V1.7 update. The update to 1.5GHz SBC can be carried out by your Allen & Heath service agent. This provides the benefit of improved system speed.

Note 3: Refer to the A&H web site (www.allen-heath.com) for **instructions on how to update** your system firmware. The Surface, TouchScreen and MixRack must be updated to run the same version of firmware. The compatible version of iLive Editor software must also be installed on your PC.

Note 4: **Updating the firmware resets the system parameters to factory default**. Make sure you archive your current settings as a **Show memory** before starting. Recall the show after you have updated your firmware. It is good practice to regularly back up your Shows to computer via USB key.

Note 5: **Show memories archived in V1.7 firmware are not compatible with V1.6 and older firmware**. However, Shows created using older firmware versions can be opened and re-archived in more recent versions. Shows created or re-archived in more recent versions will not load on systems running older feature release firmware. This does not apply to Shows created in maintenance releases within the same feature version, for example V1.71 and V1.72.

Ensure all your iLive and T Series systems are updated to this latest version. If you are planning to use your shows with rental stock or at venues with other iLive systems then check that they have been updated too. See also **Note 1** above.

For more information or assistance, or should you find any further issues with this release, please contact Allen & Heath Technical Support in your territory.

Version 1.72 - **Maintenance release.** December 2010

Issue 3001 Compressor and Gate side chains not properly reset. They should be switched out on reset but are in fact band limited between 120Hz and 6kHz. This is fixed.

Note - Parameters in old Scenes are corrected on the fly when recalled, but this can slow the recall down. If you are using old Shows and Scenes we recommend you recall and resave the Scenes which corrects the side chains and restores normal Scene recall time.

Issue 2972 FX send DCA mute indicator does not update correctly if the DCA assignments are changed via Scene recall. The audio works correctly. This is fixed.

Issue 3017 The new Fujitsu TouchScreen computer (SBC) cannot be downgraded from forthcoming new features firmware version 1.8 to previous version 1.71. However, version 1.8 can be downgraded to this version 1.72 if the 1.7 feature set is required..

Issue 2982 For Surfaces fitted with the new SBC types a firmware update using Editor from version 1.8 or 1.72 back to version 1.71 can cause the TouchScreen to stop working. This downgrade path to version 1.71 has been prevented with the ability to downgrade to version 1.72 instead.

Previous version:

Version 1.71 - **Maintenance release.** October 2010

This release fixes known issues and supports a **change of type of SBC** (internal TouchScreen computer) introduced in manufacture of the iLive Surfaces in late 2010. Surfaces fitted with the new SBC require V1.71 or higher. This will have been loaded during production. This firmware is also fully compatible with previous SBC models.

Issue 2839 TouchScreen dropdown menus sometimes closed instead of remaining open when selected. This would happen when selecting from the bottom or right hand sides of the touchable area. This has been fixed.

Issue 2846 Copy/Paste/Reset now works with Dynamik FX.

Issue 2873 Surface Lock function using the TouchScreen. A User Profile Startup Scene (if one was set) would recall when a User with password protection unlocked the Surface. This has been fixed.

Issue 2938 A particular I/O card configuration in the iLive-176 Surface could prevent the Surface from booting correctly. This has been fixed.

Issue 2949 The PEQ 20-20kHz preference was not stored in Show memories. This has been fixed.

Issue 2960 MIDI MTC quarter frame messages were not being forwarded. This has been fixed.

Previous version:

Version 1.70 - **Feature release.** July 2010

This is the first release of V1.7 introducing support for the new iDR-64 fixed format MixRack, several new features and bug fixes:

iDR-64 MixRack support. The largest fixed format MixRack in the iLive range now provides 64 mic/line inputs and 32 XLR line outputs. It satisfies the request for a large number of channels in a compact footprint, and is the perfect partner for Dual-Rack systems providing up to 128 input channels controlled by one Surface.

Tabbed Processing screens. The Channel and Mix processing screens opened using the strip SEL keys now include tabs across the top to instantly access the different processing pages. This makes navigating the screens much faster, particularly when using the iLive-T80 and R72 surfaces.

Preamp Scene recall Safes added. Making an input channel Safe now includes the associated Preamp. The Preamp can also be removed from the channel Safe or made Safe independent of the associated channel. Use the Safe button in the Preamp screen.

PEQ visual improvements. A Fill mode has been added to colour the graph area for each band. Turn this option on or off within the PEQ Graph screen.

PEQ 20Hz to 20kHz range option. A new option to expand the frequency range of the PEQ bands to 20-20kHz can be set globally for Inputs and Mixes using the MIXRACK SETUP / Mixer Pref screen.

HPF curve overlaid on PEQ graph. A high pass filter curve coloured purple when active has been added to the PEQ graph. Its Frequency setting can now be adjusted by dragging the purple pick-up box or the HPF rotary control to the left of the curve.

Dynamics side chain source selection added. The Gate and Compressor side chain drop down menu lets you select self keyed or the source from one the block of 8 related channels (DSP groups of 8, for example CH1-8, CH9-16 etc). The Compressor lets you choose either Pre-EQ or Post-EQ for the selected source.

Wedge/IEM added to PL control. The engineer's Wedge and IEM master Level and Mute functions may now be assigned to PL device controls, ideal for monitor mixing applications.

New MOO 12 stage Phaser FX added. A new Modulation FX type based on the classic 80's phaser has been added.

More information on FX added to the Help Manual. Each FX type now includes a page of information in the TouchScreen Help manual.

New Radio LRM main mix mode added. This has been added following requests related to the broadcast application. It provides a stereo LR output as well as mono M summed from the LR mix. The input channel MIX buttons become ON switches rather than selecting different mixes. ON and MUTE are now both available for the channel sources. The standard MIX key function is disabled and all routing and sends are accessed using the TouchScreen ROUTING page only.

Group to Main/Matrix source changed to Post-Delay. Requested by several users, the Group mix delay now affects its sends to the Main and Matrix mixes. Note that the Aux and Main mix to Matrix sends remain Pre-Delay.

Mix Limiter changed to Post-Fader. The Limiter now follows the fader to ensure it is able to affect any post-fade boost applied.

Combined Gain and Pad value displayed. The dB display below the Gain rotary in the All and Preamp screens combines the Gain and 25dB Pad values. For example, this makes it easier to set the Preamp to 0dB gain with Pad selected.

HPF added to Talkback source. A high pass filter within the Talkback / Source window lets you filter the low end response of the selected Talkback source signal from 20 to 400Hz. It can be switched in or out.

MIDI functions added. Additional MIDI control includes Input channel to Main mix assignments, Preamp Gain control, Pad and 48V switching. Further information is available within the MIDI Specification on the Allen & Heath web site.

Audio Clock Source removed from Scenes. To avoid user confusion this parameter is now stored only in current settings and Show memories.

Recall of iDR-8 or iDR-4 presets. If you have an Allen & Heath iDR-8 or iDR-4 mix processor connected to the iLive network you can now use iLive Scenes to recall any of the presets on the connected iDR unit. This is programmed using the iLive Scene Edit screen.