

V1.94 is a maintenance release of iLive firmware and Editor software.

**Note:** Updating the firmware resets the system parameters to factory default. Make sure you archive your current settings as a Show memory before starting if you wish to keep them.

**Note:** Also update iLive Editor software on your computers.

### Version 1.94 - Maintenance release. January 2014

This release fixes the following issue:

**Issue 594** – This issue was not completely fixed with previous release V1.93. Although the iLive lock up was fixed, surface control could still be briefly interrupted while the channel name messages were being delivered.

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## Previous release notes

### Version 1.93 - Maintenance release. December 2013

This release fixes the following issue:

**Issue 594** – A ME-U hub linked via Port B and with its Network port connected to the iLive network to poll for channel names could cause the iLive to slow down and eventually lock up after several hours. This issue has now been resolved.

### Version 1.92 - Maintenance release. October 2013

This release fixes the following issues:

**Issue 590** – ME-1 monitor channel stereo linking was incorrect when using the MMO option card Aviom<sup>®</sup> output with iLive channel names and stereo link information transmitted to the ME-U hub via the TCP/IP Network.

**Issue 1170, 1002** – Option to sync audio from the modular iLive surface RAB2 Sync Input was not available when connected to a fixed format iLive MixRack. This option is now available from the surface and Editor.

Version V1.92 Editor now supports Apple Mac OSX Mavericks 10.9.

### Version 1.91 - Maintenance release. March 2013

This release fixes the following known issues and adds useful libraries for the multiband compressor and dynamic EQ processors.

Libraries added:	<b>Dynamic EQ</b>	<b>MB Comp3</b>	<b>MB Comp4</b>
	Bass Fix	Guitar Cntrl	IEM Glue
	DynEQ Flat	Honky Bass	Keys Helper
	Guitar Fix	IEM Help	Kit Distress
	Kick Help	Mix Tighten	Multi4 Flat
	Off Mic Boost	Multi3 Flat	Vox Fix it
	Vocal Fix		Vocal

Issues fixed:

**Issue 1163** - In rare situations the TouchScreen could freeze for a while after selecting FX and recalling large Scenes.

**Issue 983** – Adding channels into a Gang would not update in Editor.

**Issue 996** – IEM or Wedge monitor select not working in Editor.

**Issue 997** – MIDI control of stereo Auxes in Editor would not update some controls.

**Issue 971** – Channel selection in Editor was slower than it was in previous version V1.83.

**Issue 578** - With an MMO card fitted to Port B of the modular surface, the audio including that mapped to Aviom™ could be distorted and not correctly routed from the Port A link CH33 to 62. This has been fixed. For more information on using and patching the MMO card please refer to the M-MMO card instructions document AP7654 issue 4 or higher which can be downloaded from [www.allen-heath.com](http://www.allen-heath.com).

**Issue 585** – Plugging a ME-1 directly into ACE card Link 2 could result in the Link 2 Error indicator remaining on.

**Issue 572** – Can select but unable to deselect Aux mixes using SoftKeys when there is no Main mix configured (monitor application).

**Issue 1022** – Sometimes the TouchScreen PEQ curve would not redraw correctly when changing channels.

Several other minor issues also fixed.

## iLive firmware V1.9 - New features and improvements:

**Support for the new fixed format iLive AES Digital Out option:** One or more audio cards (8 in 4 out) in fixed format iDR MixRacks and the xDR-16 expander running V1.9 firmware can be replaced with a new card that provides two AES output sockets (4 channels of digital output) instead of the four analogue line outputs. Fixed format MixRacks can be ordered with one AES-Out card fitted, or an option kit ordered to replace one or more cards in an existing MixRack.

**Note** The card should be fitted to an iLive rack that is already running V1.9 firmware. If the user fits the card to a rack currently at V1.8 or lower the system will not boot. The card will need to be disassembled from the rack and the system firmware updated to V1.9 before reassembling the card into the rack.

**Enhancements to the GEQ:** The third octave graphic equaliser available on each of the 32 mix outputs now has 28 bands with the addition of 31, 40 and 50Hz bands. A frequency response curve and RTA display of the PAFL signal is included in the GEQ screen. A GEQ Mode button is added providing a choice of one of four Graphic EQ models.

**Dynamic EQ:** The new DynEQ4 added to the FX Rack is an advanced processing tool providing four bands of equalisation that respond to the dynamics of the signal. It is a model of the industry standard stereo 4-band dynamic equaliser with accurate emulation of an analogue circuit implementation and a host of additional features based on user feedback.

**Multiband Compressor:** The FX Rack now adds two multiband compressor types, MultiBD3 (3-band) and MultiBD4 (4-band), providing independent compression control over different frequency bands.

**Stereo Channel Image:** Input channels configured as stereo now include source Mode and Width control. There are 8 choices of mode including stereo, reversed stereo, reversed polarity on one side, mono from one side and MS decoding.

**Delay Bypass switching:** All Input and Mix channels include a Bypass to switch the delay in or out, ideal for instantly comparing the effect of the delay.

**Extra User Permissions:** More permissions are added to the existing list in User Profiles. These can be enabled or locked out for each User.

**Partial Fader Bank Linking:** The Surface Setup / Preferences page now includes an option to link Surface Fader Banks in any combination when using the Layer keys. For example, link Bank 1 and 2 for input layers.

**SoftKey PAFL/SEL/MIX/Scene combo added:** SoftKeys and PL device keys can be assigned to this new combination which can recall a selected Scene together with the PAFL key combination. For example, in monitor mixing to optimise strip layouts when selecting different mixes.

**MixRack Boot Scene option:** For fixed installations where it is required that parameters are reset to a known starting point when the system is powered up or restarted. Affects MixRack parameters only, not the Surface. Any Scene with all or partial parameters may be selected. The screen makes it clear when this option is enabled.

**More MIDI control:** Adds control of send levels for Aux and FX mixes, for example to control individual monitor mixes via MIDI. Surface MIX keys can now be controlled via MIDI for remote selection of the mixes.

**Input Meters page source option:** Metering of inputs shown in these screens can be chosen from any point within the channel signal path using a drop-down menu at the top of the screen.

**Input Meters page Gain Reduction display:** Now also shows dynamics in/out status. Activity while switched out is shown in grey, activity while switched in is shown in red.

**Inputs 1-64 meters page added:** Displays the meters for all 64 input channels.

**More Audio Sync options:** iLive audio can now be sync'd from Port B of a Slave in a Dual-Rack system or from Port B of an xDR-16 expander.

**xDR-16 Port B control options:** Settings for the option card fitted to Port B in the expander can now be accessed. For example, the MADi Aux BNC option or ACE Redundant Link mode.

**Ace Port B Redundant Link Improvements:** For ACE fitted to Port B there are now 3 settings:

**Redundancy On - All inputs from Link 1** - For two cable redundant backup connection (FOH/Monitor or Dual-Rack systems).

**Redundancy Off: In1-64 from Link1** – For 64 channel system linking (FOH/Monitor or Dual-Rack) or adding one xDR-16 expander with 48 inputs from its Port B. The second socket is available to daisy chain 64 outputs to another MixRack.

**Redundancy Off: In1-32 Lnk1, 33-64 Lnk2** – For connecting two xDR-16 expanders with 32 inputs available from each Port B.

**Aviom™ now available at Surface MMO:** The MMO (Mini Multi Out) option is the only Port B option supported at the modular Surface. The Aviom™ output socket can now be assigned (they duplicate the assignments to the MMO ADAT outputs).

**Scene Names now held in the MixRack:** Scene names previously stored in the Surface are now stored in the MixRack so are visible in Editor when connected in MixRack only mode.

**Coherent Mix buses:** Mix buses of the same type are now time coherent to avoid comb filter effects when combined, for example when mixing Groups together.

**Firmware red cross errors:** The green tick / red cross status next to the Firmware version number on the Home screen has been removed. Errors are displayed using the yellow triangle only.

**Template Shows:** To simplify things for the new user the number of Template shows has been reduced and their names and MixRack/Surface setup Scene descriptions improved.

**Multicast router capability no longer required:** Meter data is now carried by UDP Unicast as we have found very few consumer grade routers that have the correct IGMP/ Multicast implementation and enough horsepower to allow a decent frame rate and to behave well in the multi wireless client application. This allows a greater choice of routers that should be able to work with iLive where there is good wireless signal coverage. The Multicast option on the iLive Surface has been removed.

## **Editor V1.9** - New features and improvements:

**Support for OSX Mountain Lion 10.8:** Editor can run on an Apple Mac with this operating system.

**Note** Old OSX Leopard 10.5 is no longer supported.

**Support for Microsoft Windows 8:** Editor can run on a PC with the latest Windows operating system.

**Quick Input Setup added:** Local input or Port B source selection for a range of input channels has been added to the Editor Setup / Mixer Preferences screen.

**MIDI control of Mix buttons:** Mixes can now be selected using MIDI messages. Using MIDI channel fader messages while a Mix button is selected will control the sends to that mix.

## MixPad V1.9 - New features and improvements:

**Tap Tempo added:** Delay FX Tap Tempo can now be controlled from the FX Mix or Return strip in the CH view.

**Stereo Aux Pan control added:** Pan is now available above the stereo Aux source faders when its Mix is active, ideal for mixing stereo in-ear monitors.

**Custom Layers Blank strip added:** Spaces can be inserted in the two Custom Layers by dragging in the new Blank strip item.

**Custom Layers now up to 32 strips:** Custom layers can now be assigned with up to 32 strips. Also included is the addition of blocks of 16 inputs for quick assignment, and improvements to the strip scrolling.

**Tweak V1.9** - No new features added. Required for iLive systems running V1.9 firmware.

### Notes on updating from firmware V1.8 to V1.9:

- V1.8 and V1.9 iLive systems are not compatible.
- A DSP module upgrade is needed to the modular iDR10 and iDR0 MixRacks to run V1.9. Fixed format MixRacks iDR-16,-32,-48,-64 do not require this upgrade.
- V1.8 and lower firmware will not run on modular iLive iDR10 and iDR0 MixRacks upgraded with the new DSP RackExtra TWO module.
- Rental companies cross-hiring iLive systems may find compatibility problems if they have not updated all their systems to V1.9.
- Multiple versions of Editor can be held on your PC or Mac, but only one version of MixPad and Tweak can be held on your Apple devices.
- MixPad and Tweak V1.9 will only work with iLive systems running V1.9 firmware.
- MixPad and Tweak V1.8 will only work with iLive systems running V1.8 firmware.
- Once updated to V1.9, MixPad and Tweak cannot be downgraded to V1.8 via the Apple Store.

- Only MixPad and Tweak V1.9 will be available from Apple Store for new users.
- Show files created on V1.9 firmware will not work with V1.8 and earlier firmware.
- Show files created on V1.8 and earlier firmware will work with V1.9.
- Fixed format MixRacks fitted with the new AES digital output option will only work with V1.9 firmware.

Therefore we recommend:

- That all iLive owners schedule an update of all their iLive MixRacks, Surfaces, xDR-16 expanders, Editor, MixPad and Tweak apps to V1.9 to take advantage of the new features and improvements and avoid potential future compatibility issues.
- That all modular iLive owners upgrade their iDR10 and iDR0 DSP modules to be able to run V1.9 rather than choose to remain at V1.8. Allen & Heath have kept the cost of this upgrade low to make it affordable to existing iLive customers.
- That modular iLive users do not update their iLive hardware or MixPad and Tweak apps to V1.9 until they have ordered and received the required DSP upgrade module.
- That you check which firmware version is running on any iLive system you hire in, use at a venue or want to load your iLive Show file into.

**Note 1: A hardware upgrade is required for modular iDR10 and iDR0 MixRacks.** The DSP module in modular MixRacks must be replaced with the new blue DSP RackExtra TWO module to be able to run V1.9 as this release requires a significant amount of new processing power. Fixed format racks iDR16, iDR-32, iDR-48, iDR-64, xDR-16 do not require this upgrade.

The module can be ordered from Allen & Heath. Cost has been kept low to provide an affordable upgrade for existing iLive customers. Order codes:

M-DSPDUAL-A      DSP RackExtra TWO module for iDR10

M-DSPDUAL-0-A    DSP RackExtra TWO module for iDR0

The user should not attempt to upgrade to V1.9 until they have the new DSP module. The system would be unusable until the new module has been ordered and received, or need to be downgraded to V1.8 to restore original operation.

Before fitting the new DSP module we recommend you update the firmware to V1.9 with the old DSP module fitted. After the update completes, the system should be powered off and the new DSP module fitted when instructed to by the 'Mix Engine Error' screen.

If the user fits the new DSP module before updating to V1.9 the system will not boot correctly. It will either not connect or will see the DSP RackExtra TWO module as the old 2FX DSP and display a 'Mix Engine Error' screen instructing the user to downgrade to old firmware V1.7. The user should not do this but instead perform the update to new firmware V1.9, or switch off and fit the original DSP module before updating to V1.9 as above.

**Note 2: Updating the firmware resets the system parameters to factory default.** Make sure you archive your current settings as a Show memory before starting if you wish to keep them.

**Note 3: Remember to update your Editor software too.** iLive systems running V1.9 firmware require Editor V1.9.

**Note 4: MixPad and Tweak updates** - iLive users who already have these apps will be automatically notified of available updates via the Apple App Store. MixPad and Tweak V1.9 will not work with V1.8 iLive systems, and the existing V1.8 MixPad and Tweak will not work with V1.9 iLive systems.

New users will only be able to download the latest version V1.9. It is not possible to roll back the app version from V1.9 to V1.8. Therefore existing users should consider carefully before choosing to accept the app update. If the user is currently on MixPad or Tweak V1.8 then we recommend they only accept the update once they have updated their iLive system firmware to V1.9. iDR10 and iDR0 users should wait until they have fitted the new DSP module.

To avoid MixPad and Tweak compatibility problems with other iLive systems we recommend that all iLive owners update all their iLive components to V1.9.

If you accepted the V1.9 MixPad app update from Apple before you are able to update your iLive components then you may be able to restore the V1.8 app if you still have it backed up in iTunes. This would be the case if you had updated the MixPad via the iPad rather than iTunes, and if you have not done a 'Transfer Purchases' from the iPad to iTunes.

If you are currently on V1.8 you could back up your MixPad application file (ipa) now in case you accept the update before you are ready. Refer to the iLive Knowledgebase on the Allen & Heath web site for details.

**Note 5: iLive User Shows** archived on V1.9 systems will not load on older firmware V1.8 and lower. However, existing V1.8 Shows will load on V1.9 and higher.

**Note 6: For Surfaces fitted with the newer TouchScreen computer (SBC) types** introduced in late 2010 - Firmware versions V1.70 and older will not run. Also, firmware version V1.71 cannot be restored after updating to any version of release V1.8. However, you can downgrade from V1.8 to revised version V1.72 if the 1.7 feature set is required. This can be downloaded from the Allen & Heath web site.

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 7: The modular iLive early version 2FX DSP is not supported by V1.8 onwards.** Most modular iLive are fitted with the 8FX RackExtra DSP. Early systems can be upgraded.

**Note 8: 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 V1.6 or higher 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 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.