Qu Mixer Firmware Version 1.50 Release Notes

V1.50 is a new feature firmware release for the Qu-16, Qu-24 and Qu-32 digital audio mixers.

Note   Refer to the Allen & Heath web site for:

- Instructions on how to update Qu mixer firmware
- The latest information on Qu Series products
- The Qu mixer Knowledgebase

Note   **Choose the firmware file for your model of Qu mixer**. There are three firmware files available for download. Choose the correct file for your model of mixer. To ensure compatibility, update all your Qu mixers to the same version number.

Note   **Qu mixer and Qu-Pad app firmware compatibility**. The version number is shown as V1.Nm where 'N' is the feature version number, and 'm' is the maintenance number. To be compatible, make sure both have the same V1.N number. The maintenance number can be different.

Note   From V1.5 onwards, **channel naming is stored in the mixer** and communicated to the Qu-Pad app. Names set locally on the iPad in previous versions of Qu-Pad will be cleared upon update.

Note   **Updating the Qu firmware does not affect the mixer settings**. The current settings and stored scenes are retained.

Note   **Format your USB device using the Qu mixer Format utility**. Not all USB devices will be compatible with the Qu mixer, particularly for audio recording. Use it only for the Qu mixer once you have formatted it and checked it to work correctly with the mixer.

Note   **Qu-Drive audio recording** and multitrack playback require the USB storage device to support high sustained transfer rates. Not all USB devices will guarantee flawless performance. To find out more please refer to the 'Understanding Qu-Drive and USB' document in the Qu Knowledgebase on the Allen & Heath web site.

Note – **USB streaming is compatible with Mac and Windows PC computers**. Mac OSX versions currently supported are 10.9 (Mavericks), 10.8 (Mountain Lion), 10.7 (Lion), and 10.6 Snow Leopard. Support for Windows Vista (32bit), Windows 7 (32 and 64 bit) and Windows 8 (32 and 64 bit) requires installation of the Qu Windows driver. The Allen & Heath DAW Control driver is available for Mac OS X only.

Note – **The Qu Network port supports one connection only**. It is not possible to run more than one iPad (Qu-Pad app), or to access other TCP/IP controls at the same time as using an iPad.

Note – **Using dSNAKE for remote inputs does not add channels to the Qu mixer**. Choose either local (rear panel) or remote (dSNAKE) Preamp input for each channel.

Note – From V1.3 onwards, the **Qu-Drive Stereo output patch** is assigned using Qu-Drive Multitrack/USB B streaming tracks 17-18. The default patch for tracks 17-18 changed from ST1 to LR in V1.3. This was because Qu-Drive Multitrack and Stereo recording shared track 17-18 as part of the V1.3 upgrade to allow full patching of all channels. Users can now patch any combination of Qu channels to the Qu-Drive Multitrack/USB B streaming tracks. All pre V1.30 scenes will be affected by this change as well.

Note – From V1.5 onwards, the **MIDI channel numbers and NRPN ID** previously used by Mute Groups have been reallocated to the new DCA Groups to be consistent with other Allen & Heath mixers. Mute Groups now use different channel numbers detailed in the MIDI Protocol specification.

Version 1.50 - **Feature release.** June 2014

File download: Qu-16 = Qu**16**UpdtV1_50_3619.QUU

Qu-24 = Qu**24**UpdtV1_50_3619.QUU

Qu-32 = Qu**32**UpdtV1_50_3619.QUU

Features added:

- Addition of 4 DCA Groups
- Channel naming and name sync to iPads and ME-1
- Flexible output patch on dSNAKE AudioRacks and Monitor sends to ME-1
- USB recording source can be now be set to Insert Send or Direct Out
- MMC (Midi Machine Control) added to the MIDI screen and SoftKeys functions
- DAW Bank control added to SoftKeys (for use with DAW Control driver)
- Support for Qu-32
- Support for AB168 portable rugged AudioRack

Improvements:

- Auto mute on Phantom Power change
- General improvements to Qu-Drive recording and transport control
- Mixes can now be assigned to Mute Groups
- Increased support for Cubase broadcast WAV files

Issues fixed:

ID_1360:   Audio level could jump when sending to a post fade mix at very low levels.

ID_1152:   Alt Out level could drop momentarily on scene recall.

ID_1478:   Phantom Power would not initialise on some channels after reboot.

ID_1476:   FX wet/dry control would sometimes not update correctly.

ID_1444:   Mix9-10 could not be patched to an FX send on Qu-24.

ID_1485, ID_304, ID_308:   Fixes on 2Tap FX control and metering behaviour.

Known Issues - Qu-Drive:

An unformatted USB key plugged into Qu-Drive is not always recognised by the mixer. You may need to first format the USB key on a PC or Mac (FAT 32), then try to format it again on the Qu mixer.

Loss of power or unplugging a USB key or hard drive during multi-track or stereo record may result in the current recording being lost.

Known issues – other:

Turning off the mixer whilst connected to a PC can lock up the PC USB system. Unplug the USB cable before shutting down to prevent this.

The Insert and Delay icons on the first Processing tab may not update correctly on Mix channels.

Qu-Pad may not see the Qu mixer when using a static IP address (DHCP disabled).

Known issues – hardware:

On some early Qu-16 mixers, USB noise could be heard on the ST3 input channel when the top panel ST3 mini-jack input is selected as its source and nothing is plugged in. Mute this channel or turn its fader off when it is not being used. The noise is not present when an audio source is plugged in.

On some very early Qu-16 mixers, plugging a low impedance signal into a local preamp socket while 48V phantom power is switched ON could give an audible click at outputs even if the channel is muted. To avoid this plug the source in before turning 48V on.

Previous versions

Note – For more detail, please refer to the Release Notes available with each version of previous firmware.

Version 1.40 - **Feature release.** April 2014

- Per Scene Recall Filters added.
- User Permissions added – 3 Users = Admin, Standard, Basic.
- FX User Libraries added.
- RTA Peak Band indication added.
- Qu-Drive transport functions added to the SoftKeys.
- Copy/Paste/Reset of Preamps.
- Windows driver for multitrack streaming.

Version 1.31 - **Maintenance release.** February 2014

- Support for Broadcast Wave Format (BWF) audio wav file playback.

Version 1.30 - **Feature release.** February 2014

- Support for the new Qu-24 mixer which adds Groups and Matrix.
- Qu-Pad 'Metering' page added for meters, Mute/PAFL status and RTA overview.
- Per track patching for USB Audio outputs (Qu-Drive and USB B).

Version 1.20 - **Feature release.** December 2013

- MIDI Strips added and DAW MIDI control for Mac computers.
- GEQ and PEQ now available on all mixes and LR.
- User Libraries for input channels and individual processing.
- USB Scene and Library transfer added.
- More Scene functions added.
- Copy/paste/reset of GEQ and Mix parameters added.
- Single key Assign and Pre Fade of all channels to mixes added.
- More screen toolbar status items added.
- Qu-Pad naming, Mute Group, FX tap tempo and clock/battery status added.

Version 1.12 - **Maintenance release.** October 2013

Version 1.11 - **Maintenance release.** September 2013

Version 1.00 - **First release of Qu-16 firmware.** May 2013