Qu-16 Firmware Version 1.20 Release Notes

V1.20 is a new feature release of Qu-16 Firmware.

Note   Refer to the Allen & Heath web site for:
- Instructions on how to update Qu mixer firmware
- The latest information on Qu-16 products
- The Qu Learning Centre
- The Qu mixer Knowledgebase

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   **Use a USB hard disk drive, not a key, for Qu-Drive audio recording**. However, you can use a USB key (memory stick) for firmware update and data file transfer. Do not use solid state drives (SSD). 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 a Mac computer only**. Windows PC is not supported. Mac OSX currently supported are 10.9 (Mavericks), 10.8 (Mountain Lion), 10.7 (Lion), and 10.6 Snow Leopard. The Allen & Heath DAW Control MIDI driver is available for the Mac computer.

Note – **Qu-16 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-16**. Choose either local (rear panel) or remote (dSNAKE) Preamp input for each channel.

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

File download: Qu16UpdtV1_20_2725.QUU

Features added:

- DAW MIDI control for Mac computers:

    Allen & Heath DAW Control driver download for Mac computers.
    Works with HUI or Mackie Control.
    MIDI channel number option added. DAW control uses Channel +1.
    Custom Layer MIDI strip type added for DAW control or standard messages.

- GEQ and PEQ now available on all mixes and LR.

- User Libraries for input channels and individual processing.

    Channel (all input processing)
    PEQ
    GEQ
    Gate
    Compressor

- USB Scene and Library transfer added.

- Scene functions added:

    More items added to Global Recall Filter.
    Clear button added to Scenes screen (same function as Reset key).
    SoftKey Scene Recall Go auto-increment option added.
    SoftKey Scene Store Current item added (overwrites current scene).
    Current/Next Scene names added to screen toolbar.
    Green ticks show Scene has contents stored.

- Copy/paste/reset functions added:
    - GEQ - using Fader Flip key.
    - Mix parameters – using Mix Select keys.

- Single key assign of all channels added:
    - Mix routing Assign on/off – using master Sel key
    - Mix Pre/Post Fader – using master Sel key

- Screen toolbar status items added:
    - 'dS' (dSNAKE) icon appears when AR rack is detected.
    - USB device status.
    - Qu-Drive transport status.
    - Messages for Copy/Paste/Reset, Scene store..

- Qu-Pad features added:
    - Channel naming – Inputs, FX, mixes, LR, mute groups
    - Colours to show active Mix
    - Mute Group control
    - FX Tap Tempo
    - Clock and battery status icons.

Improvements:

- Gain reduction meters grey out when processing switched out.

- Information added to Channel Link button.

- Information added to Insert In/Out button.

- SoftKey assigned as PAFL clear now lights the key indicator when PAFL is active.

Features not yet supported in V1.2:

- Per scene Recall Filters

- User permissions

Issues fixed:

ID_179: In certain situations some of the screen GEQ black bars could disappear or appear on unrelated pages.

ID_344: The highlighted scene in the Scene screen list would not follow SoftKey scene navigation. The Scene list and SoftKey navigation now follow each other.

ID_862: Mix Compressor sidechain source was Post-PEQ but pre-GEQ. This has been corrected to be post-PEQ, post-GEQ.

Known Issues - Qu-Drive:

ID_245: 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.

ID_983: 'Next' Scene does not update correctly in the screen toolbar if you highlight a scene previously named with 22 or more characters using a version of V1.1 firmware. Rename it with 21 or fewer characters for it to be displayed correctly.

Known issues – Other:

Some USB noise can 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.

Plugging a low impedance signal into a local preamp socket while 48V phantom power is switched ON can cause an audible click at outputs even if the channel is muted. To avoid this plug the source in before turning 48V on.

Previous versions

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

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

Version 1.00 - **First feature release.** May 2013

This was the first feature release of Qu firmware.