

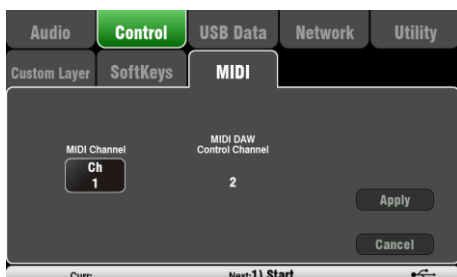
ALLEN & HEATH

QU-16

Firmware Version 1.2

New Features:

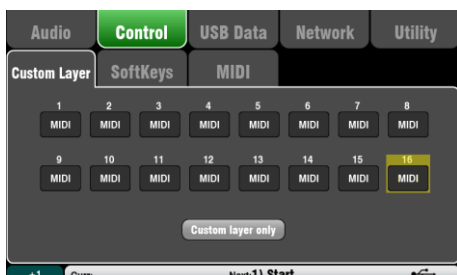
DAW MIDI control for Mac computers A MIDI strip type can now be assigned to the Custom Layer. This provides MIDI messages for DAW (Digital Audio Workstation) control using the strip controls:



The Qu **MIDI channel number** (N) can now be chosen in a setup screen. DAW control uses a different MIDI channel (N+1).

The MIDI fader strip sends/receives messages relating to:

- Fader position
- Mute key press / indicator
- Sel key press / indicator
- PAFL key press / indicator



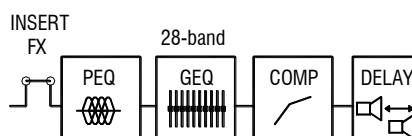
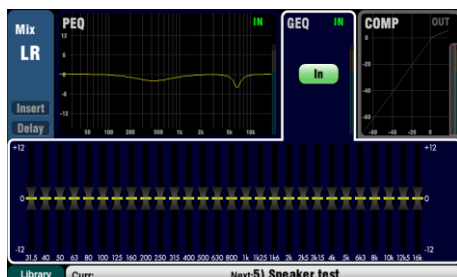
You can work directly with these messages or use the Allen & Heath DAW Control driver to convert them into either of the following popular protocols:

- HUI
- Mackie Control

Go to the [Allen & Heath web site](http://www.allen-heath.com) to download the DAW Control driver for Apple Mac computers, the Qu MIDI Protocol document and for further information in the DAW Control Setup Notes.

Note DAW Control is available only for Apple Mac computers. A driver for Windows computers is not available.

GEQ and PEQ on all Mixes and LR Previously, Mix1-4 and LR provided GEQ only, and stereo Mix5-10 provided PEQ only. Now all mixes feature both types of EQ.



Libraries for channel processing Individual input and mix processing blocks and complete input channel settings can be stored and recalled as User Libraries. A few Factory Libraries are available. Libraries are stored within the mixer. User libraries can be transferred between Qu mixers via USB key.



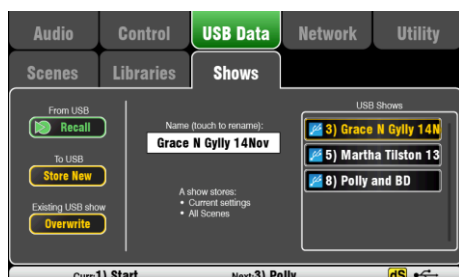
The following libraries are available:

- Gate
- PEQ
- GEQ
- Compressor
- Input Channel

The Input Channel library has an option to also recall Preamp settings.

Libraries are accessed using the **Fn** key on the processing pages. The input Channel library is available from any input processing page.

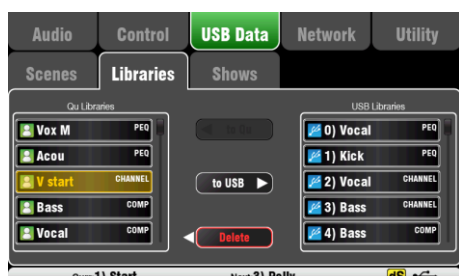
USB Scene and Library transfer Until now the Qu-16 could transfer only Show files of all settings and scenes via a USB device. This release introduces separate USB transfer of individual Scenes and User Libraries between Qu mixers.



USB Show – Transfer the current setup, mix settings and all scenes as a numbered SHOW folder within the Qu directory of the USB device:



USB Scene – Transfer an individual scene as a data file within the Qu directory of the USB device:



USB Library transfer – Transfer an individual User Library as a data file within the Qu directory of the USB device:

Individual Scene and Library files can be deleted from USB using the Qu screen.

The Qu USB Data function is intended for transfer of data between Qu mixers, not for editing using a computer.

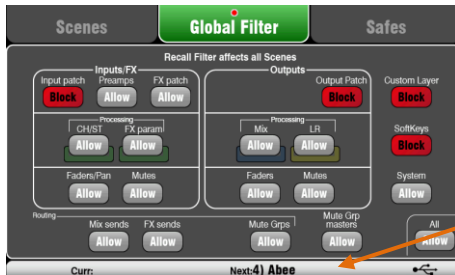
Scene additions

Several functions have been added:



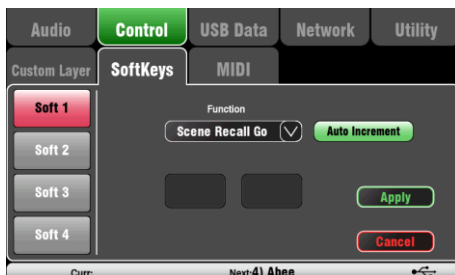
Clear button added to the Scenes page. Provides the same function as holding the Reset key and touching a scene in the list.

Green tick indicates that a scene has been stored. All scene parameters are stored. Scenes are recalled through the Recall Filter which blocks selected parameters from being overwritten.

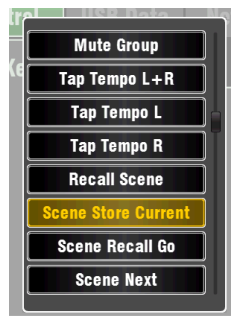


Global Recall Filter – More parameters can now be protected from scene recall. This affects all scenes. Parameters are grouped according to input, output and type.

Toolbar Current / Next Scene display – Shows the last recalled (Current) scene and the scene highlighted in the list ready to be recalled (Next). This is visible while in any screen and therefore useful when working with scenes using SoftKeys.



SoftKey Recall Go Auto-Increment – An option is added to automatically advance to the next available scene ready for it to be recalled the next time you press Go. This skips blank scenes in the list.



SoftKey Store Current – An item is added to the function list to let you assign a SoftKey to store to the last recalled (Current) scene. This does not store to the Next scene if it is different to Current.



Current/Next display

Store Current

Previous

Next

Recall Go
(+ auto-inc)

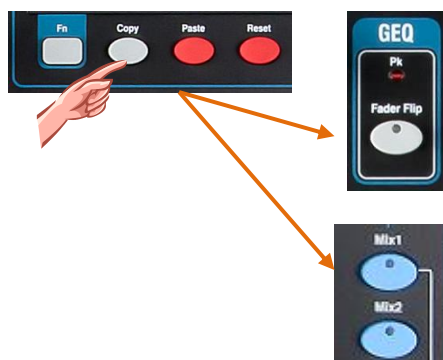


Example:

SoftKey Store Current can be useful for editing scenes when using the SoftKey Scene Go function with auto-increment turned on.

This example shows the 4 SoftKeys assigned for scene store, recall and navigation during a theatre show rehearsal.

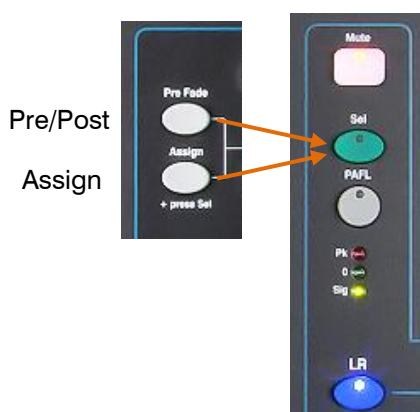
Copy/Paste/Reset additions Parameters can be quickly copied or reset using the edit keys below the screen. Functions have been added for:



Copy/Reset GEQ – Hold an edit key and press the Fader Flip key. This provides a quick way to reset the GEQ flat or to copy the same settings to several GEQs.

Copy/Reset Mix – Hold an edit key and press a blue Mix Select key to copy or reset its send levels, pan and routing. Pre/Post settings are not affected. This provides a quick way to reset mixes to a known starting point. For example, ready to sound check the next band.

Single key Mix assign All Routing **Assignments** or **Pre Fade** settings for all channels to a mix can now be quickly toggled on or off by holding the Pre Fade or Assign key and pressing the mix master strip Sel key.

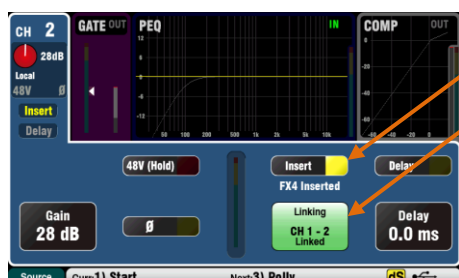


Screen toolbar status items added The lower toolbar now displays:



- Current (last recalled) and Next (highlighted in list) Scene number and name
- 'dS' icon to show that an AudioRack has been detected on dSNAKE
- Copy/Paste/Reset and scene Store messages
- USB device and Qu-Drive transport status

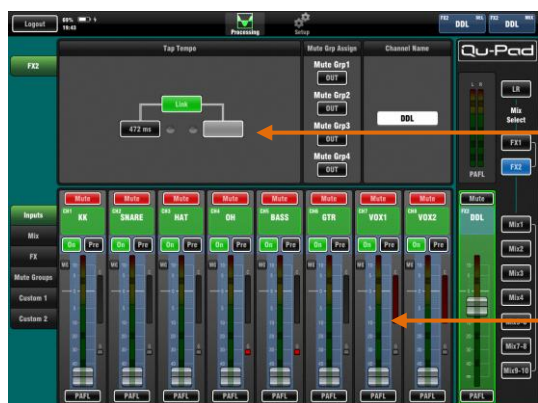
Screen Improvements Several minor improvements to the user interface:



- Display of Inserted FX device on Preamp screen
- Display of linked channel numbers on the Linking button in the Preamp screen
- Gain reduction meters grey out when the Gate or Comp is switched out
- The SoftKey indicator lights to show PAFL active when it is assigned as PAFL Clear.



Channel Names – Each input, FX, Mix, LR and Mute Group can now have a name with up to 5 characters entered using an iPad keypad. Names are stored and displayed on the iPad, not the Qu mixer. Names are restored when logging back into Qu-Pad. All names can be reset to their channel numbers using a Setup function.



FX Tap Tempo – Delay effects time can now be tapped in using Qu-Pad. This is accessed by selecting the FX Mix or Return. The left/right tap Link button is also provided.

Mix Colour – More visual indication is provided to show the user which mix is currently active. The fader slots now change colour to show when they send to an FX or Mix. They return to grey when on the main LR mix.



Mute Group control – A new tab is added for access to the 4 Mute Group masters.

Mute Group Custom strips – Individual group masters or a single strip providing access to all 4 mute groups can be assigned to the Custom layers.