

ALLEN&HEATH

QU-16

Firmware Version 1.1

New Features:

Support for the Qu-Pad app Qu-Pad is a free iPad app available from the Apple Store for wireless remote mixing with Qu-16. It is not for system setup or memory access. These functions can be accessed at the Qu-16 mixer surface.

Qu-Pad and the Qu-16 can work together to provide simultaneous control of independent functions, for example one engineer using the mixer to mix front-of-house sound, and another using the iPad to mix monitors on stage.

This version of Qu-Pad supports one iPad connection.

Live mixing functions available:

- Fader levels, mutes, pan
- Aux/FX sends, routing and Pre/Post switching
- Input Preamp/USB selection
- Preamp Gain, Pad, Polarity and 48V
- HPF, Gate, PEQ, GEQ, Comp, Delays
- RTA function
- PAFL select
- Full signal metering
- Custom strips for personalised channel layout



Select the channel processing. Touch buttons and drag sliders and curves.

Use the tabs to select layers and processing type.



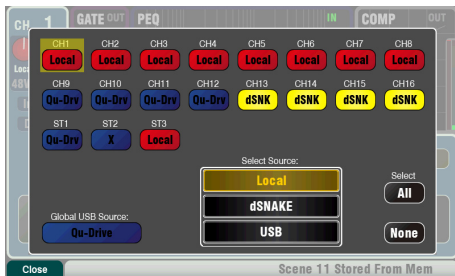
Select the mix. The right hand strip is the master for the selected mix. The faders become the sends to the selected mix.

This does not change the current mix on the Qu-16. Qu-Pad provides independent control.



Use Setup mode to assign two Custom strip layouts

dSNAKE remote audio rack enabled The Qu-16 can now connect to an Allen & Heath GLD-AR2412 or GLD-AR84 AudioRack so that the audio can be plugged into a rack on stage and routed to the Qu-16 over a single Cat5 cable 'digital snake'.



Remote Inputs - dSNAKE does not add channels to the Qu-16. The remote inputs map one-to-one to Qu-16 channels 1-16 and ST1-3. Use the channel **Preamp** screen Source page to choose either Local (rear panel) or dSNK (remote) as the input to the preamp for each channel.



Remote Outputs - Qu-16 mix and LR outputs are mapped to the output sockets on the AR rack. These duplicate the outputs on the Qu-16 rear panel.

← No AudioRack plugged into the dSNAKE port



← AR84 connected – Mix1-2, LR



← AR2412 connected– Mix1-10, LR

The following remote AudioRacks are available:



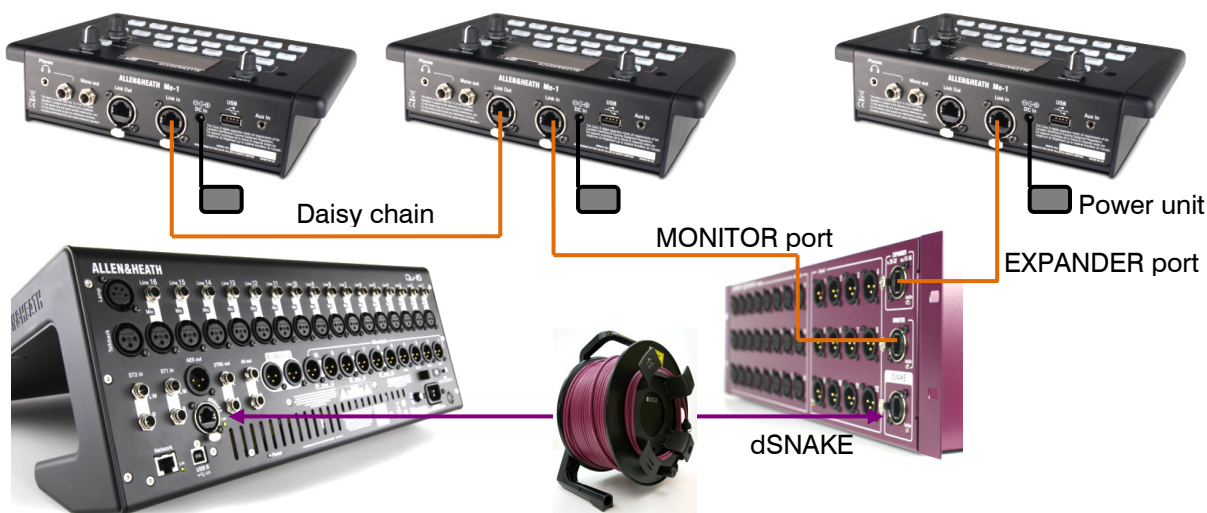
ME Personal Mixer compatibility The Allen & Heath ME personal mixing system can now be used with the Qu-16. This provides customisable personal monitor control for individual musicians and performers.



ME-1 personal mixer – A compact personal mixer able to work with up to 40 channels. Built-in headphones and monitor output. Intuitive and easy to operate, its 16 select keys can be configured to provide as much or as little control as needed.

Multiple ME-1 mixers can be connected in series (daisy chained) by linking the output of one to the input of the next. Alternatively, they can be connected in parallel using a standard Ethernet switch or the Allen & Heath **ME-U** hub. ME connects directly to a dSNAKE compatible port using a Cat5 cable.

Connecting ME to the AR2412 AudioRack - ME-1 mixers or the ME-U hub can be plugged into either or both the AR2412 MONITOR and EXPANDER ports.



Connecting ME to the Qu-16 - ME-1 mixers, a standard Ethernet switch or the ME-U hub can be plugged directly into the Qu-16 dSNAKE port if you are not using this to connect to an AudioRack. Power can be provided over the Cat5 by the ME-U or a PoE switch.



The output map – The 40 ME channels are mapped in order from CH1-6, ST1-3, LR, FX1-3 returns and Mix1-10 to dSNAKE. These can be chosen and grouped to ME-1 keys using the setup function available on the ME-1 mixer.

Find out more about the ME Personal Mixing System at www.allen-heath.com

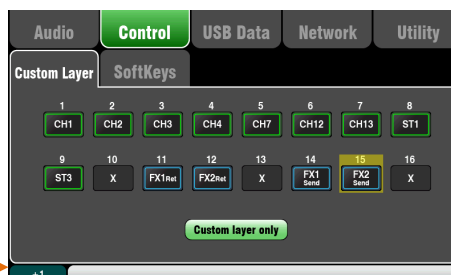
User assignable Custom Layer Pressing the two layer keys at the same time selects the third 'Custom' layer which can be assigned using a Setup screen.



Panel space is available to label the strips.

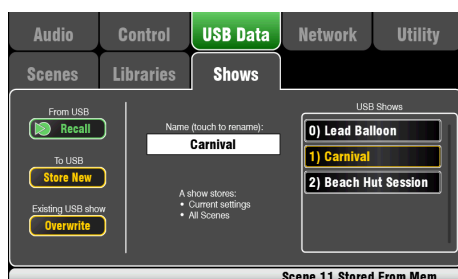
Any combination of the input channels, FX send and returns, and mixes can be assigned to the Custom Layer.

There is an option to disable the two standard layers so that only the Custom Layer is active, for example to restrict operator access.



'+1' Fn button for auto advance

USB Show file transfer Mixer settings including the current settings, preferences and all scenes can now be stored and recalled to/from a USB key or hard drive.



Show data is stored as a set of files in a numbered folder on the USB device. Shows are not stored in the Qu-16.

Shows stored to USB can be named. The Qu-16 displays a list of Shows found on the USB key.

Existing USB Shows can be overwritten with the current mixer settings.

Scene Recall Safes Tabs have been added to the **Scenes** screen to make any combination of inputs and mixes safe so that they are not overwritten by scene recall.

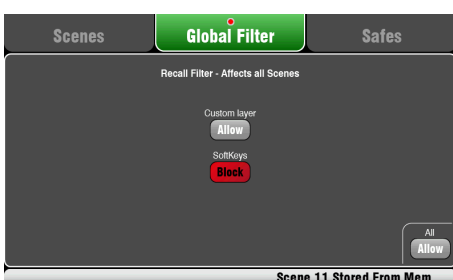


Inputs include CH1-16, ST1-3 and the FX returns. Input parameters made safe include its sends and routing to the mixes, and its processing.

Mix include Mix1-10, LR and the FX sends. Mix parameters made safe include its channel sends and routing, and its master level and processing.

An icon in the tab shows if one or more channels have been made safe within the tab.

Scene Recall Global Filter Two items are now available in the Scenes Global Filter tab. These can be blocked so that their settings are not overwritten by scene recall.



Custom Layer - assignments,

SoftKeys - assignments.

An icon in the tab shows if one or both items have been blocked.