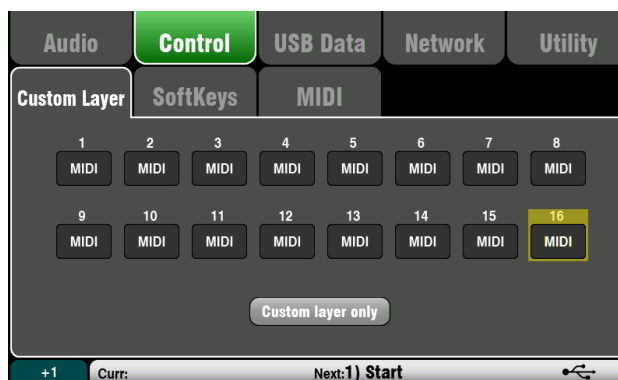


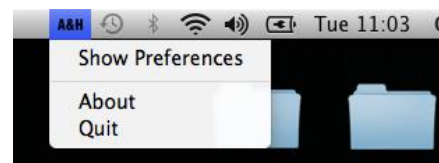
Allen & Heath **DAW Control** allows Qu-16 mixers to control a DAW using popular **HUI** or **Mackie Control** protocols. Once set up, faders, PAFL, Sel and Mute keys of the Qu-16 MIDI strips will control DAW track level, solo, select and mute respectively. **DAW Control** can be used as an alternative to, or on top of, the set of standard MIDI messages. Use of these protocols has several advantages over manual assignment of MIDI messages, including easier setup and bi-directional control (feedback is sent from the DAW to the mixer, for example when playing back automation).

The following instructions will get you started with some of the major DAWs available for Mac. A similar procedure should apply to other DAWs as long as they support HUI or Mackie Control. **DAW Control** will create virtual MIDI I/O ports in OS X for setting up HUI or Mackie Control in your DAW.

1. Download the file [DAW Control 1.X.dmg](http://www.allen-heath.com) from www.allen-heath.com and install **DAW Control** on your Mac. You can set **DAW Control** to automatically load when the user logs in to the computer. Do this by adding the application in OS X System Preferences / Users & Groups / Login Items.
2. Make sure you are running Qu-16 firmware **V1.2** or higher. Power up the mixer and connect to your Mac over USB or network (TCP/IP). The USB connection doubles as a full-duplex audio interface. Network connection is data only, no audio.
3. Take note of the MIDI Channel set in the mixer's **Setup / Control / MIDI** screen. Qu-16 defaults to 2 for DAW control.
4. Go to **Setup / Control / Custom Layer** and set the required fader strips to **MIDI** (typically all 16) by selecting first then scrolling with the screen rotary.



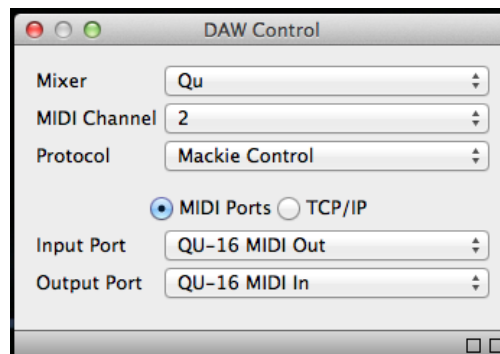
5. Launch **DAW Control** and click on [Show Preferences](#) in the A&H tray menu to access the configuration panel.



6. Select the MIDI channel as set in the mixer (point 3 above).
7. Select **MIDI Ports** for USB connection to the mixer, or **TCP/IP** for Cat5 network connection.

MIDI Ports - Select the MIDI Input and Output ports to be used, for example [Qu-16 MIDI Out](#) and [Qu-16 MIDI In](#).

TCP/IP - Select the mixer from the drop-down box, or select Custom and type in the IP address of the mixer, then tick the **Connect** checkbox. Make sure your Mac and the Qu-16 are set to compatible IP addresses within the same subnet.



8. The two squares in the status bar display MIDI I/O activity. To check you are connected to the mixer, move any fader on Qu-16 and the left square should flash.
9. Follow the instructions specific to your DAW in the next pages.

Avid Pro Tools

1. Select the **HUI** protocol in the **DAW Control** panel and launch Pro Tools.
2. Go to **Setup / MIDI / Input Devices** and enable **DAW Control MIDI 1** and **DAW Control MIDI 2**.
3. Open the **Setup / Peripherals** window and navigate to the **MIDI Controllers** tab.
4. In row #1, select **HUI** as the Type and **DAW Control MIDI 1** as the Receive From and Send To ports.
5. In row #2, select **HUI** as the Type and **DAW Control MIDI 2** as the Receive From and Send To ports.
6. Click OK.

Steinberg Cubase

1. Select the **Mackie Control** protocol in the **DAW Control** panel and launch Cubase.
2. Open the **Devices / Device Setup** window.
3. Click on the Add Device button (+) and select **Mackie Control**.
4. Select **DAW Control MIDI 2** as the Input and Output MIDI Port.
5. Click on the Add Device button (+) again and select **Mackie Control**.
6. Select **DAW Control MIDI 1** as the Input and Output MIDI Port. Note that the top-most device in the left hand list represents the right-most channels.
7. Click OK.

Cockos Reaper

1. Select the **Mackie Control** protocol in the **DAW Control** panel and launch Reaper.
2. Open the **Options / Preferences** window and click on **MIDI Devices** from the left hand list.
3. To avoid message conflicts, make sure that **DAW Control MIDI 1** and **DAW Control MIDI 2** Input and Output ports are all disabled. If needed, right click on a port to change its status.
4. Select **Control Surfaces** from the left hand list and click the Add button.
5. Select **Mackie Control Universal** surface mode and **DAW Control MIDI 1** as the Input and Output port, then click OK.
6. Click the Add button again, then select **Mackie Control Universal** surface mode, **DAW Control MIDI 2** as the Input and Output port, enter **8** as the Surface offset, and click OK.
7. Click OK to close the window.

Apple Logic

1. Select the **Mackie Control** protocol in the **DAW Control** panel and launch Logic.
2. Open the **Logic Pro / Preferences / Control Surfaces / Setup** window and click New / Install.
3. Scroll down, select **Mackie Designs – Mackie Control – Logic Control** and click Add.
4. Close the window and click the picture labelled **Mackie Control**.
5. Select **DAW Control MIDI 1** as the Output and Input Port.
6. Click New / Install again and repeat steps 3-4. Click OK when prompted.
7. Close the window and click the picture labelled **Mackie Control #2**.
8. Select **DAW Control MIDI 2** as the Output and Input Port.
9. Close the Setup window and go to **Window / Environment**.
10. In the top left, click the drop-down menu next to **Mixer** and select **Clicks and Ports**.
11. Add a new Monitor object by clicking New / Monitor.
12. Connect the MIDI ports **DAW Control MIDI 1**, **DAW Control MIDI 2** and your mixer's MIDI port to it by clicking on the corresponding triangles and dragging cables to the Monitor object.
13. Save your settings.

Ableton Live

1. Select the **Mackie Control** protocol in the **DAW Control** panel and launch Live.
2. Open the **Live / Preferences** window and navigate to the **MIDI/Sync** tab.
3. Select **MackieControl** in the Control Surface #1 dropdown box, and set **DAW Control MIDI 1** as the Input and Output port.
4. Select **MackieControlXT** in the Control Surface #2 dropdown box, and set **DAW Control MIDI 2** as the Input and Output port.
5. Close the window.

Further information

For the Qu mixer MIDI specification please refer to the **Qu-16 MIDI Protocol** document available for download from www.allen-heath.com.