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Using the HiQnet Motion Control App

HiQnet Motion Control™ is an Apple iOS app which enables customized control interfaces to be exported to iPad, iPhone and iPod Touch devices for mobile system control. Dedicated design templates are available for the configuration of customized interfaces, which can be used to control devices from BSS Audio, Crown, dbx and JBL.

Once the app is purchased under an account, that account can install the app on as many iOS devices that they own. Once the app in installed on a device, any number of control panels designed within the Custom Panel Designer in HiQnet Audio Architect can be loaded onto an iOS device directly from the Audio Architect interface.

Navigation between the panels can be done two ways - either by the use of a two finger swiping gesture or by double tapping the screen to bring up an automatically-generated thumbnail navigation bar at the bottom of the iOS display.

HiQnet Motion Control is available from the Apple App Store.

If you have not already setup your network, or connected your iOS device to your network see HiQnet Motion Control - Before You Begin.

TO ADD HIQNET MOTION CONTROL

Click the arrow at the bottom of the New button in the Panels control group within Offline Design Ribbon, and select one of the iOS devices in the drop-down menu. This will bring up the following options:
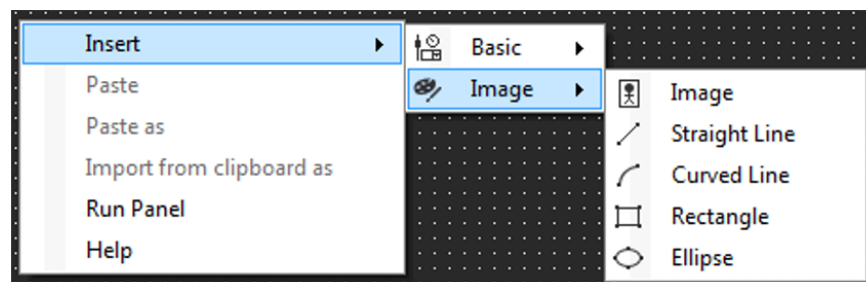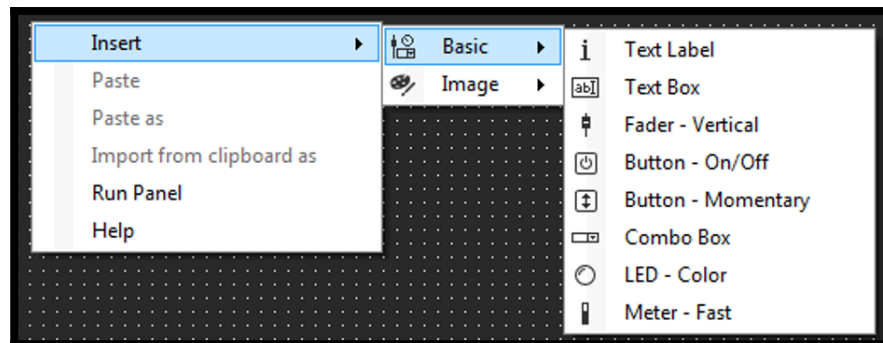

- Select which option (iPad Landscape, iPad Portrait, iPhone Landscape, or iPhone Portrait) suits your need. Panel design specifications differ based on the panel type selected.
- Name the Panel.

From here you have two options to insert a control onto the custom panel:

1. Insert Controls

Right click in the dotted area to insert a selected control onto the custom panel surface. You have the option of selecting a default Control then either:

- Basic: Button - Text Label, Text Box, Fader - Vertical, Button - On/Off etc.
- Image: Here you may insert an image or draw a graphical control to which you may assign a parameter.
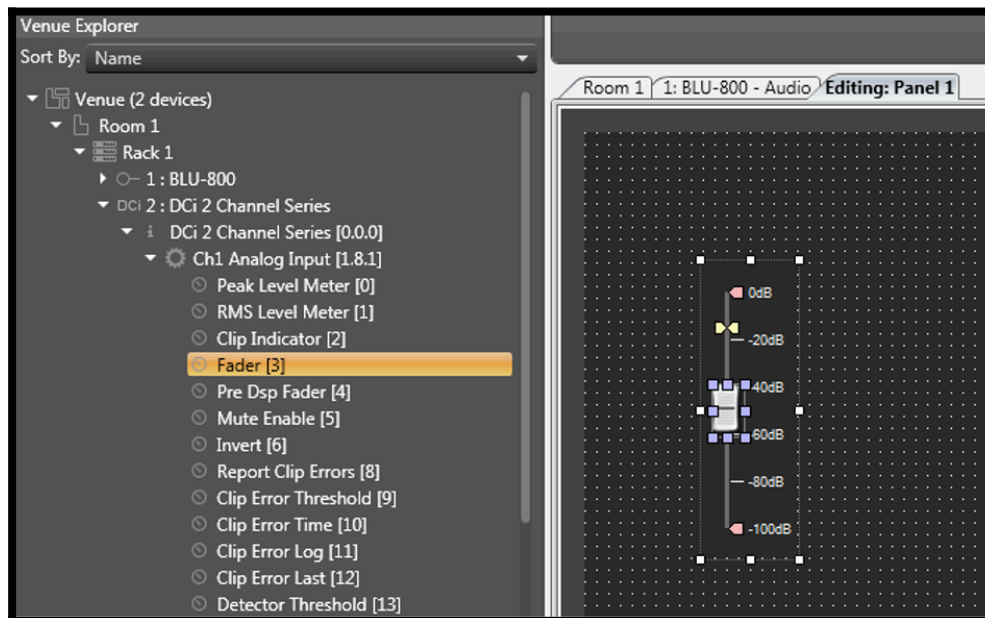
NOTE: The ⚠ symbol on a control indicates that a parameter has yet to be assigned.

Once you have created the panel, go to the Venue Explorer on the left, open the available device parameters and drag the appropriate parameter onto the control. For example; select a mute function and assign it to an on/off button, or select a level control and assign it to a fader.

Once the control is assigned, the ⚠ symbol goes away.

2. Drag the actual parameter from the device onto the custom panel.

For example, using a Crown DCi 2 Channel Series: In the Venue Explorer window, expand the DCi 2 Channel Series tree which will display the available parameters. Open the Ch1 Analog Input parameters using the drop-down menu arrow, then left click/hold the Fader parameter, and drag it onto the custom panel surface to add that control. Select Fader - Vertical.

Notice in the Parameters Tab of the Properties window, you'll see that the DCi 2 Channel Series: Ch1 Analog Input: Fader is assigned to the panel control.

The process is repeated to add additional parameter controls.

Add additional iOS panels

Multiple Motion Control panels may be created. In the Panels section of the Offline Design Ribbon, select the arrow below the New button for each additional panel you wish to create.

Assigning devices to control panels

If you are correctly connected to the network with your iOS device, and it is running Motion Control, it will show up in the Venue View of Audio Architect as a Discovered Device. From here it may be dragged into your Venue file.

Offline selection

If you are not online with your iOS device, you may create an Offline Device. Select the Devices window, then drag and drop your iOS device onto the Venue.
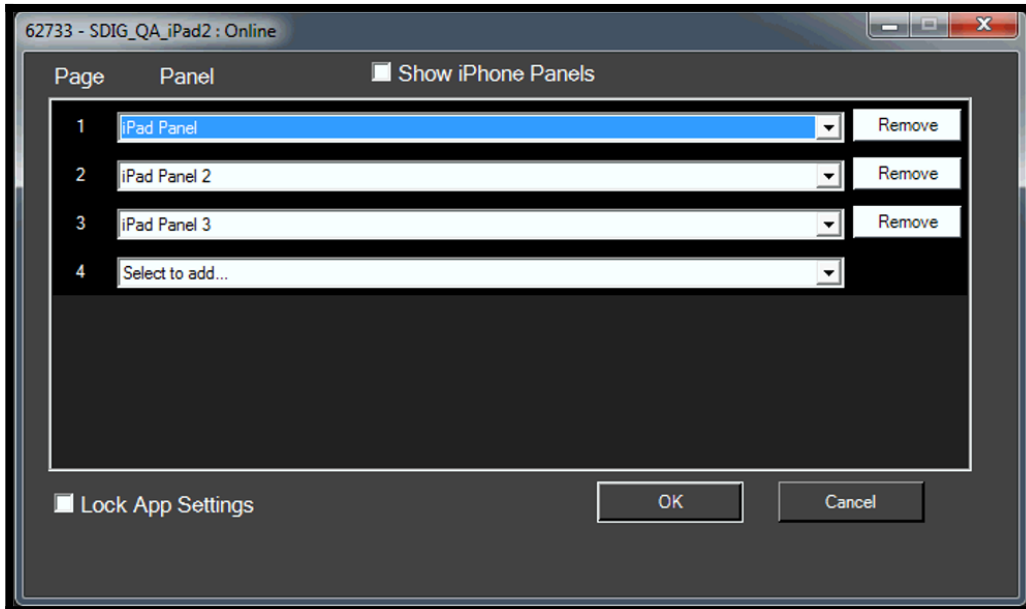

For example, click and drag the Motion Control iPad onto your Venue. You'll see:

Adding Panels to Motion Control

Double click the iPad icon in Audio Architect while online to the system to bring up a dialog box with the following functions:

Assign each Motion Control Page to a selected Panel by clicking in the "Select to add..." drop-down menu and choosing which Panel you want assigned to the Page.

Once all the panels have been assigned, if you are connected to your iOS device (ie: the iPad or iPhone) and Audio Architect is in Run Venue mode, clicking the "OK" button sends your custom panels via your wireless connection to that device.

NOTE: Make sure all the panels you are sending to the iPad are open in edit mode in the background. The thumbnail images are created from these panels, if they are not open in edit mode the thumbnails will appear blank on the iPad after loading.

The **Show iPhone Panels** box is unchecked by default. Check this box to show any iPhone panels you may have created. If you have added iPhone or iPod devices, this box will not appear.

The **Lock App Settings button**, when checked, removes the settings button from within the Motion Control App.

Closing Motion Control

Due to the nature of iOS, if you close Motion Control or your iOS device, the iOS device will show as "Offline" in the Audio Architect Venue and no longer appear in the "Devices" window (although this may take a moment).

Testing Motion Control Panels in Audio Architect

You can operate a Motion Control panel in Audio Architect in several ways:

- From the Offline Design Tab, you can Right Click on the panel in the Panel section of the ribbon and selecting Activate. A Left click on the Panel will automatically Activate it.
- From the Custom Panel Designer Tab, make sure the panel you wish to test is the current panel selected for editing, an choose Launch Current in the Panel section of the ribbon.

You can close an active Motion Control panel in Audio Architect two ways:

- Left Click on the panel to make sure it is the active panel in Windows and press ALT + F4 to close selected window.
- In the task bar of windows, the panel will show as a separate process from Audio Architect. Mouse over the Panel in the Task Bar and X out to close the panel.