

Q-SYS plugin for iKON

User Guide



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Q-SYS plugin for iKON

The Q-SYS plugin for iKON allows you to control and monitor Martin Audio iKON amplifiers using Q-SYS. You add the iKON amplifiers into the Q-SYS ecosystem using the Q-SYS Designer software. You can then combine iKON control with Q-SYS compatible UCIs and GPIO logic ports integrated into Q-SYS cores and peripherals.

The plugin is available as a free download from our website and allows you to:

- Mute and unmute inputs.
- Update input gain and polarity.
- Mute and unmute outputs.
- Put the amplifier into sleep or standby mode.
- Bring the amplifier out of sleep or standby mode.
- Check whether the amplifier is on or off.
- Check the firmware version.
- Recall amplifier snapshots.

To install the Q-SYS plugin for iKON



Don't use Q-SYS PLUGIN IK-AMPLIFIER V1.0 as this version can cause issues.

1. Check that you have iKON firmware version 1.680 or above. For details of how to do this, see the iK41, iK42 or iK81 user guide available from our website martin-audio.com (select **Support** > **User Guides**). To upgrade your firmware, use Vu-Net.
 - If you have iKON firmware 1.446 or earlier, you need to upgrade in two steps, first to firmware 1.478 and then to 1.680. Please contact technical@martin-audio.com and we will send you the interim firmware 1.478 and instructions on how to upgrade.
 - If you have iKON firmware 1.510 or later, you can upgrade in one step as normal.



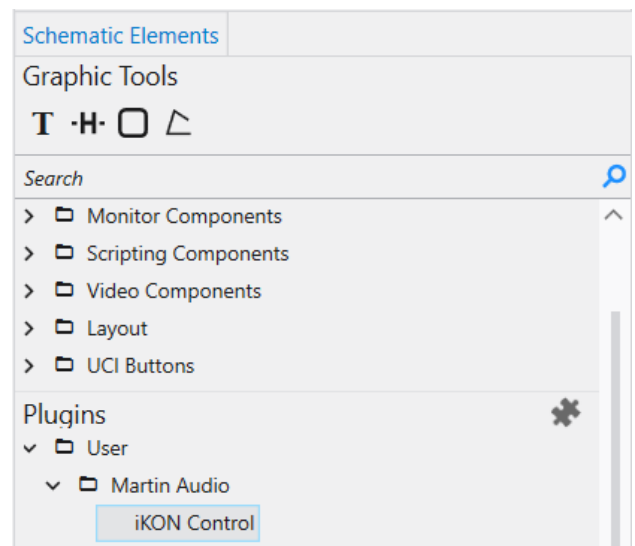
Don't omit this step. Your iKON firmware needs to be version 1.680 or above.

2. Go to our website martin-audio.com, select **Support** > **Software/Firmware**, scroll to **Q-SYS Plugin** and click **DOWNLOAD**.
3. Right click on the zip file in your download folder and select **Extract All**.
4. Copy the Q-SYS plugin file to the following directory in your Windows Documents folder:


```
Documents\QSC\Q-Sys Designer\Plugins
```

 The plugin file is:


```
Martin-iKON_v0.10.0030.qplugx
```
5. Open **Q-SYS Designer**.
6. In the **Schematic Elements** pane on the right-side of the page, scroll to the **Plugins** section and open the **Martin Audio** folder.



7. Drag and drop the **iKON Control** plugin into your design.
8. Under **iKON Control Properties** > **Channel Count** select the number of channels:
 - For iK81 select **8-Chan**.
 - For iK42 and iK41 select **4-Chan**.

Properties	
iKON Control Properties	
Channel Count	8-Chan
Button Styles	4-Chan
Use Input Meters	8-Chan
Show Debug	Yes
Graphic Properties	
Label	Martin-Audio iKon-Amplifier-Control
Position	546,203
Fill	
Script Access	
Code Name	MartinAudioiKONControl
Script Access	None

- To bring control pins into your design, tick the checkboxes in the **Control Pins** section as necessary.

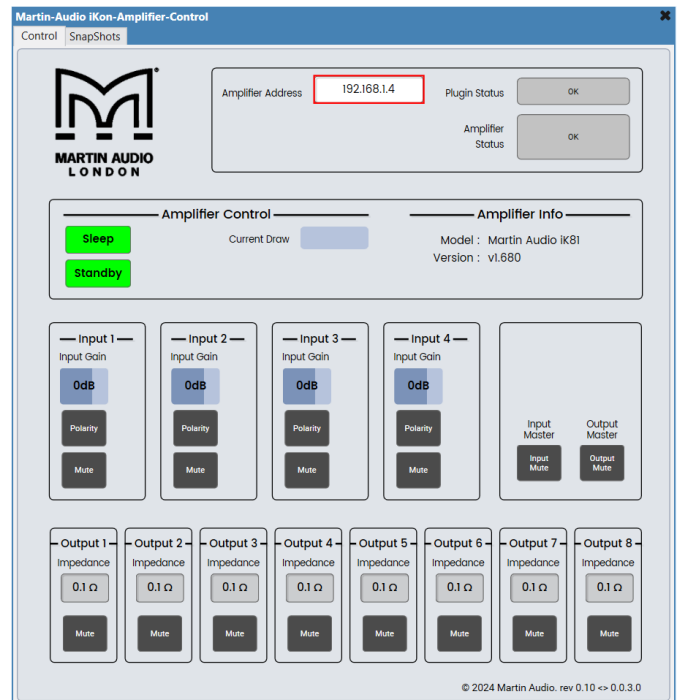
Properties	
iKON Control Properties	
Channel Count	8-Chan
Button Styles	Flat
Use Input Meters	No
Show Debug	Yes
Graphic Properties	
Label	Martin-Audio iKon-Amplifier-Control
Position	665,119
Fill	
Script Access	
Code Name	MartinAudioiKONControl
Script Access	None
Control Pins	
<ul style="list-style-type: none"> ▲ Input <ul style="list-style-type: none"> ▷ Gain ▷ Mute ▲ Output <ul style="list-style-type: none"> ▷ Impedance ▷ Mute ▷ SnapShot Names <ul style="list-style-type: none"> Amplifier Sleep <input checked="" type="checkbox"/> Amplifier Standby <input checked="" type="checkbox"/> Amplifier Status <input checked="" type="checkbox"/> Device Current <input checked="" type="checkbox"/> Disable <input checked="" type="checkbox"/> Plugin Status <input checked="" type="checkbox"/> Snapshot Selection <input checked="" type="checkbox"/> 	

- Double-click on the plugin icon in the schematic to display the device interface. Select the **Control** tab

and enter the amplifier IP address near the top of the screen (highlighted in red below).

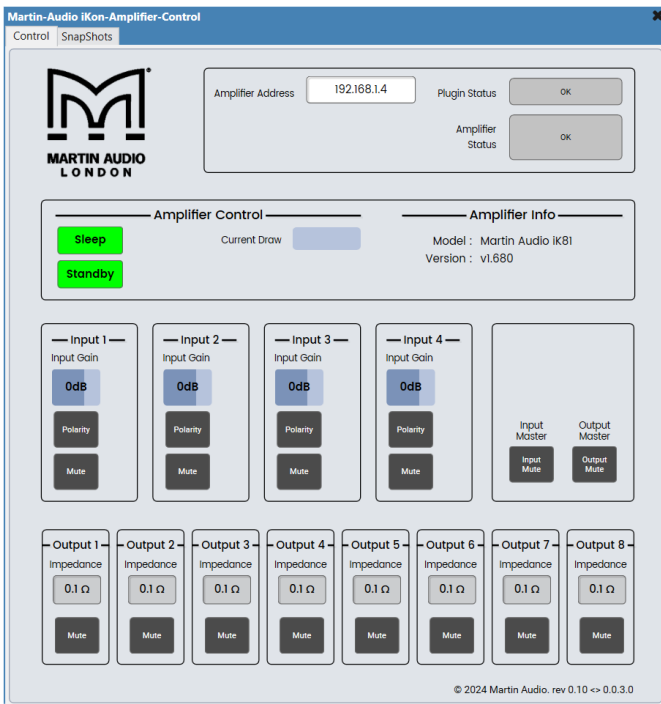


For Q-SYS designs, we recommend that you use static IP addresses for the iKON amplifiers.



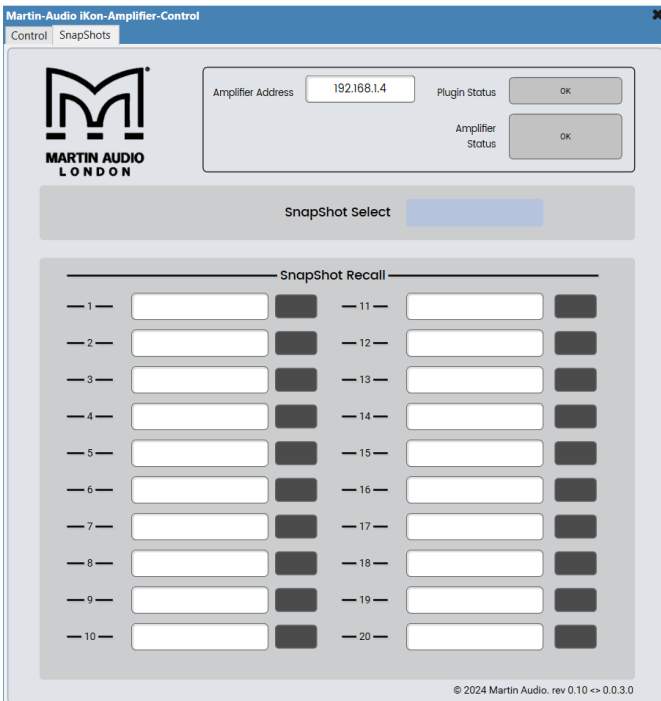
Using the Q-SYS plugin for iKON

To monitor and control the amplifier, select the **Control** tab at the top of the window.



Note that in addition to mutes for each input and output, there are also **mute all** buttons on the right of the window.

To recall snapshots, select the **Snapshot** tab at the top of the window.



For further details, see the iK41, iK42 and iK81 user guides available from our website martin-audio.com.

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