## 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.

- 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.

- 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.

Schema	atic Elements				
Graph	ic Tools				
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Search					Q
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Plugin	S			*	
~ D ι	Jser				
~ □	Martin Audio				
	iKON Contro	ol			

- 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 Proper	ties		
Channel Count	8-Chan		
Button Styles	4-Chan		
Use Input Meters	8-Chan		
Show Debug	Yes 🔻		
Graphic Properties			
Label	Martin-Audio Kon-Amplifier-Control		
Position	546,203		
Fill	1		
Script Access			
Code Name	MartinAudioiKONControl		
Script Access	None 🔻		

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

Properties			
iKON Control Prope	rties		
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> <li>Input         <ul> <li>Gain</li> <li>Mute</li> </ul> </li> <li>Output         <ul> <li>Impedance</li> <li>Mute</li> </ul> </li> <li>SnapShot Names         <ul> <li>Amplifier Sleep</li> <li>Amplifier Status</li> <li>Device Current</li> <li>Disable</li> <li>Plugin Status</li> <li>SnapShot Selection</li> </ul> </li> </ul>		<pre>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</pre>	

10. 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.

	udio iKon-Amplifier-Control		
ntrol	SnapShots		
	AARTIN AUDIO LONDON	Amplifier Address 192.168.1.4 Plugin Status OK Amplifier Status OK	
	Amplifie Sleep Standby	er Control Ampliffer Info Current Draw Model : Martin Audio iK81 Version : v1.680	-
	nput 1	ut 2	
	Dutput 1 - Output 2 - Impedance 0.1 \Omega	Output 3     - Output 4     - Output 5     - Output 6     - Output 7     - Output 7       Impedance     Impedance     0.1 Ω     0.1 Ω     0.1 Ω     0.1 Ω     0.1 Ω       More     More     More     More     More     More     More	8 - ce

#### Using the Q-SYS plugin for iKON

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



Control SnapShots
Amplifier Address 192.168.1.4 Plugin Status ok Amplifier Status ok Amplifier Status ok
Amplifier Control Amplifier Info Current Draw Model : Martin Audio IK81 Version : v1.680
Input Coin     Input Coin       Input Goin     Input Goin       IddB     Inpu
- Output 1       - Output 2         Impedance       Impedance         01 Ω       01 Ω         Mute       Mute    - Output 4 - Impedance 01 Ω Mute - Output 5 - Impedance -

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.

Martin-Audio iKon-Amplifier-Control Control SnapShots			3
	Amplifier Address 192.168	Amplifier Status	ок
	SnapShot Sel	ect	
		all	
<u> </u>	-11	-	
<u> </u>	— 12	-	
<u> </u>	— 13	-	
	14	-	
-5-	- 15	-	
-6-	— 16	-	
-7-	— 17	-	
-8-	— 18	-	
-9-	— 19	-	
- 10		-	
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For further details, see the iK41, iK42 and iK81 user guides available from our website martin-audio.com.



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