



Telos Alliance Axia iQ IP Audio Console System Installation Guide

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Alliance Axia iQ IP Audio Console System Installation Guide



THANK YOU FOR PURCHASING THE AXIA IQ IP-AUDIO CONSOLE.

We have made the Axia iQ console system easy to set up and configure. This quick-start guide will take you through the basic steps to configure your new iQ 8-Fader Main Frame and QOR.32 engine to have you broadcasting in no time. Before we get started, let's make sure you have what you need.

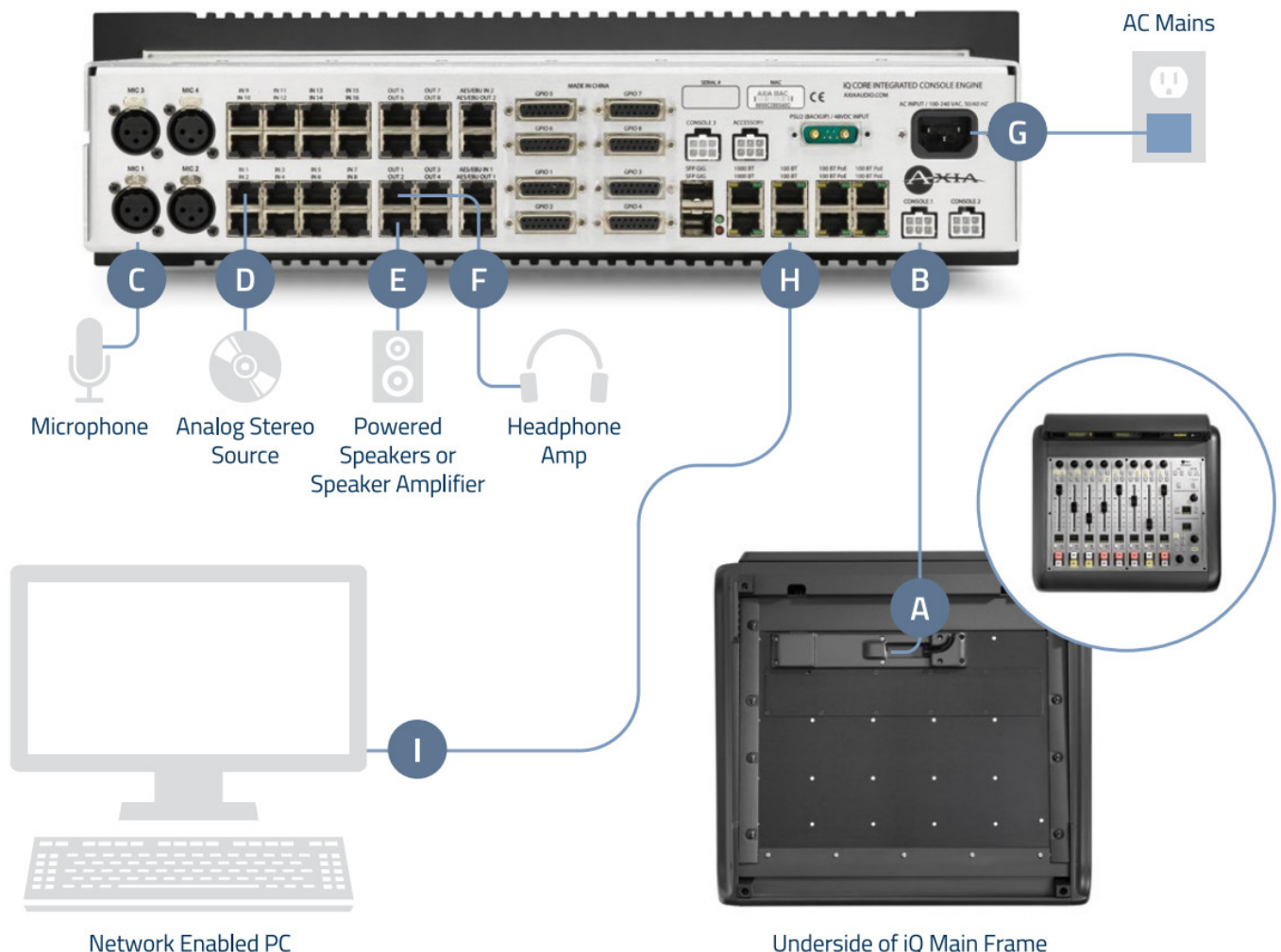
THE FOLLOWING ITEMS ARE REQUIRED FOR INSTALLATION:

- iQ Main Frame and QOR.32 (packed separately)
- iQ Power cable
- 6-pin Molex™ cable
- Ethernet cable
- PC with available Ethernet port connected to a monitor and keyboard
- Audio cable and/or StudioHub adapters

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INITIAL SET UP



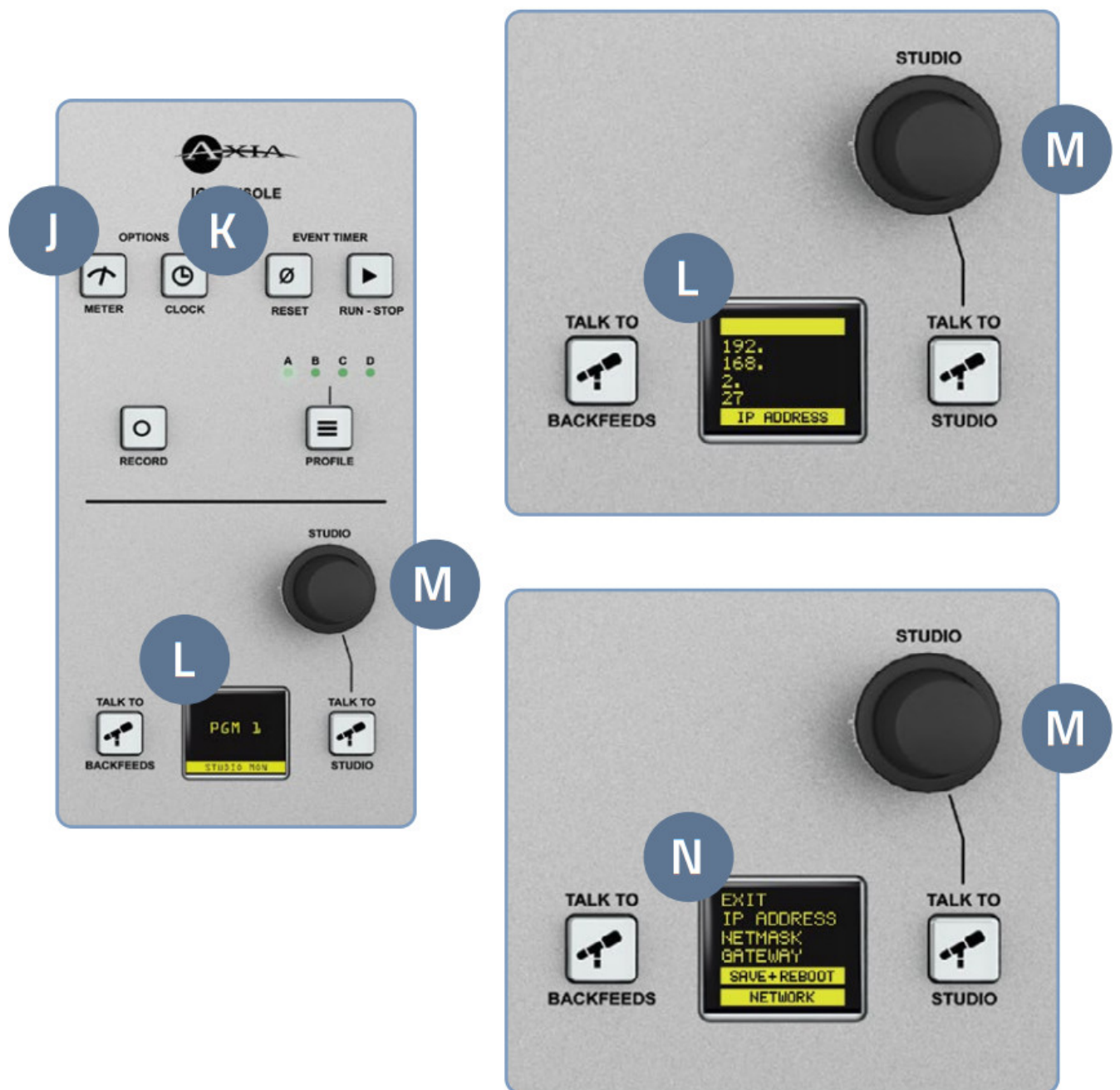
PHYSICAL CONNECTIONS

1. Connect the end of the provided 6-pin Molex cable without the strain relief to the Molex port (A) on the underside of the iQ Main Frame.
2. Connect the other end of the 6-pin Molex cable to the Console 1 port (B) on the QOR.32 unit.
3. Connect a microphone to MIC 1 (C).
4. Connect an analog stereo source to IN 1 (D) (preferably a professional line level source).
5. Connect powered speakers or speaker amplifier to OUT 2 (E).
6. Connect headphone amplifier to OUT 1 (F).
7. Connect the QOR.32 to AC Mains (G) using the supplied power cable.
8. Connect Ethernet cable to the 100 Mbps Ethernet port (H) (marked 100BT) on the QOR.32, connect other end directly to the Ethernet port (I) on a PC.

AUDIO CONFIGURATION

NETWORK CONFIGURATION

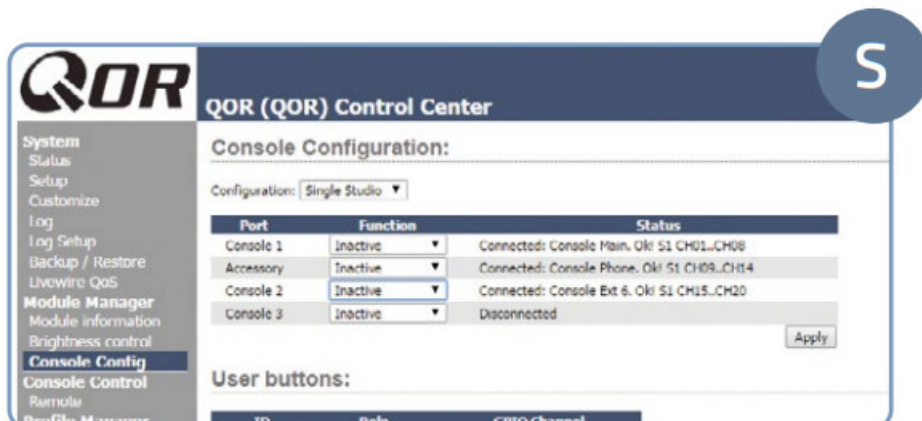
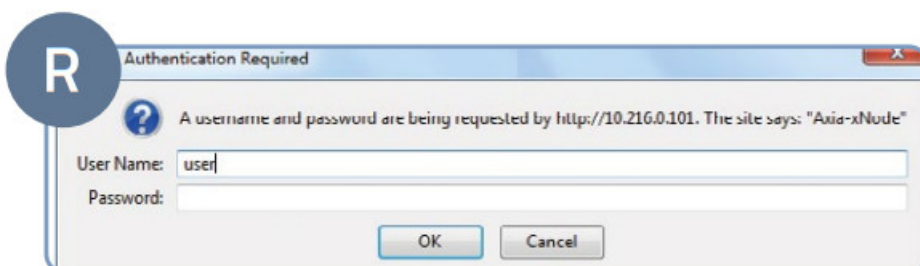
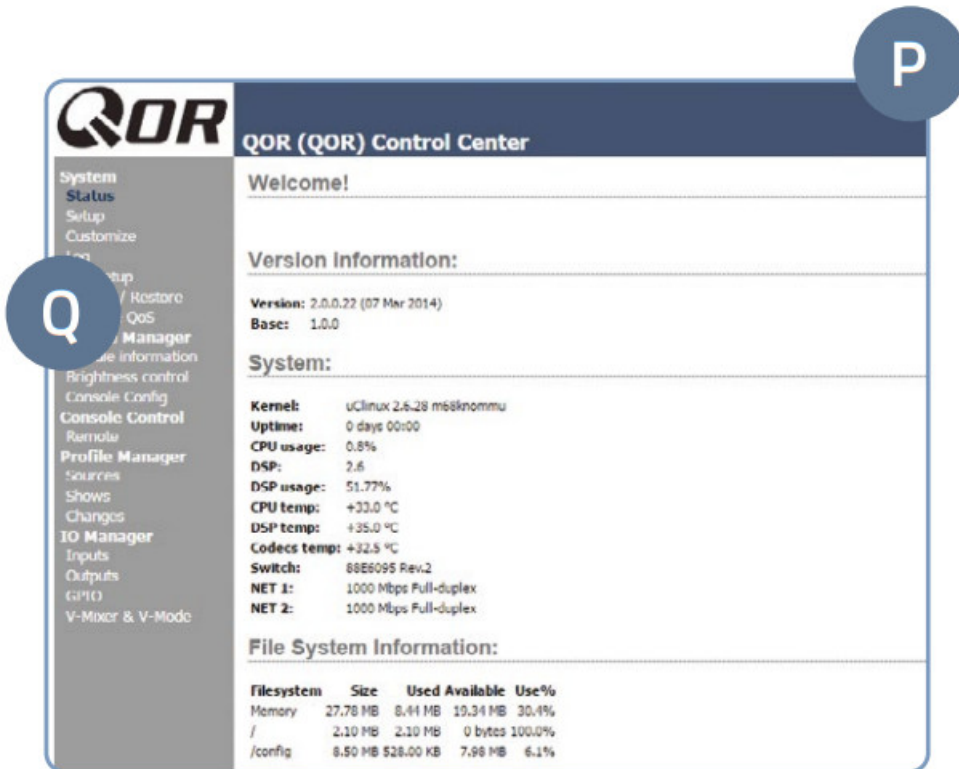
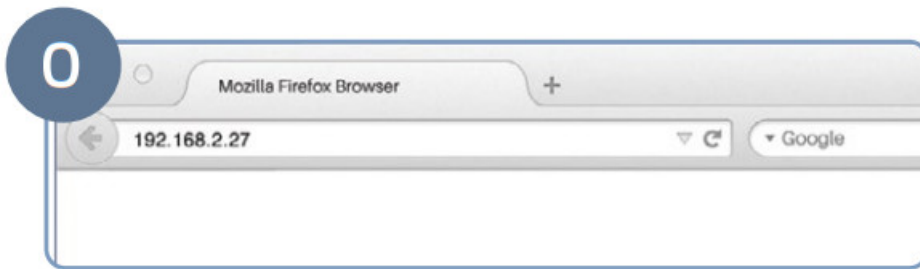
1. Set a static IP address of 192.168.2.100 and subnet mask of 255.255.255.0 to the connected PC. The default address of the QOR.32 will be 192.168.2.27. Note: If you wish to use a different IP address or subnet mask for your iQ, proceed to the next step below "Assigning a custom IP address to your iQ", otherwise continue to Step 2 on the next panel.



ASSIGNING A CUSTOM IP ADDRESS TO YOUR IQ (OPTIONAL STEP)

- On the iQ Main Console simultaneously press and hold the Meter (J) and Clock (K) Keys until the OLED Studio display (L) shows the system options.
 - Turn the Studio Monitor control knob (M) to navigate the options on the Studio display (L) below the knob. Turn knob to Navigate to "IP Address". To change the default IP address, press knob and enter the IP address. Each 8-bit position of the IP address must be selected individually by turning the knob until the desired number appears and pressing knob to select. If Subnet Mask and Gateway options are required for your network, turn the Studio Monitor control knob to navigate to these options and enter values.
 - Once your required settings have been entered, turn the Studio Monitor control knob (M) until "Save + Reboot" (N) is displayed and press knob to enter.
 - Set a static IP address to the connected PC within the same network as the iQ's new IP address.
 - Continue to Step 2.
- Open a web browser and type the assigned IP address of the iQ into the URL field (O).
 - The QOR Control Center (P) will launch.
 - Select "Console Config" (Q) in the left column navigation under Module Manager.

5. A screen (R) will appear prompting you for authentication. When prompted, enter user name “user”, password is left blank.
6. The QOR Control Center will display the Console Configuration page (S) which lists the connected console. Confirm the console you have connected is listed as connected to the appropriate port.



CONTINUE TO INPUT CONFIGURATION

The console is now recognized by the network and is ready for input configuration. Continue to the “Input Configuration” instructions.

INPUT CONFIGURATION

1. Remain logged in to the QOR Control Center.
2. In the QOR Control Center navigation in the left column under IO Manager, click “Inputs” (T).
3. Enter useful labeling in the name field column (U) for Microphone-1.
4. Enter gain stage (V) as needed for the connected microphone.
5. Click the “Apply” button (W).
6. Enter useful labeling in the name field column (X) for Analog 1.
7. Click the “Apply” button (Y).

QOR (QOR) Control Center

Local Microphones:

#	Name	Power	PreAmp (0, 10 - 65)	Gain (-24 dB)
Microphone 1		<input type="checkbox"/> Enable	+0.0 dB	+0.0 dB
Microphone 2		<input type="checkbox"/> Enable	+0.0 dB	+0.0 dB
Microphone 3		<input type="checkbox"/> Enable	+0.0 dB	+0.0 dB
Microphone 4		<input type="checkbox"/> Enable	+0.0 dB	+0.0 dB

Apply

Local Analog Inputs:

#	Name	Gain (-24 dB)
Analog 1		+0.0 dB
Analog 2		+0.0 dB
Analog 3		+0.0 dB
Analog 4		+0.0 dB
Analog 5		+0.0 dB
Analog 6		+0.0 dB
Analog 7		+0.0 dB
Analog 8		+0.0 dB
Analog 9		+0.0 dB
Analog 10		+0.0 dB
Analog 11		+0.0 dB
Analog 12		+0.0 dB
Analog 13		+0.0 dB
Analog 14		+0.0 dB
Analog 15		+0.0 dB
Analog 16		+0.0 dB

Apply

Local AES/EBU Inputs:

#	Name	Input Gain (-127.5 - 0 dB)
AES/EBU 1		+0.0 dB
AES/EBU 2		+0.0 dB

Apply

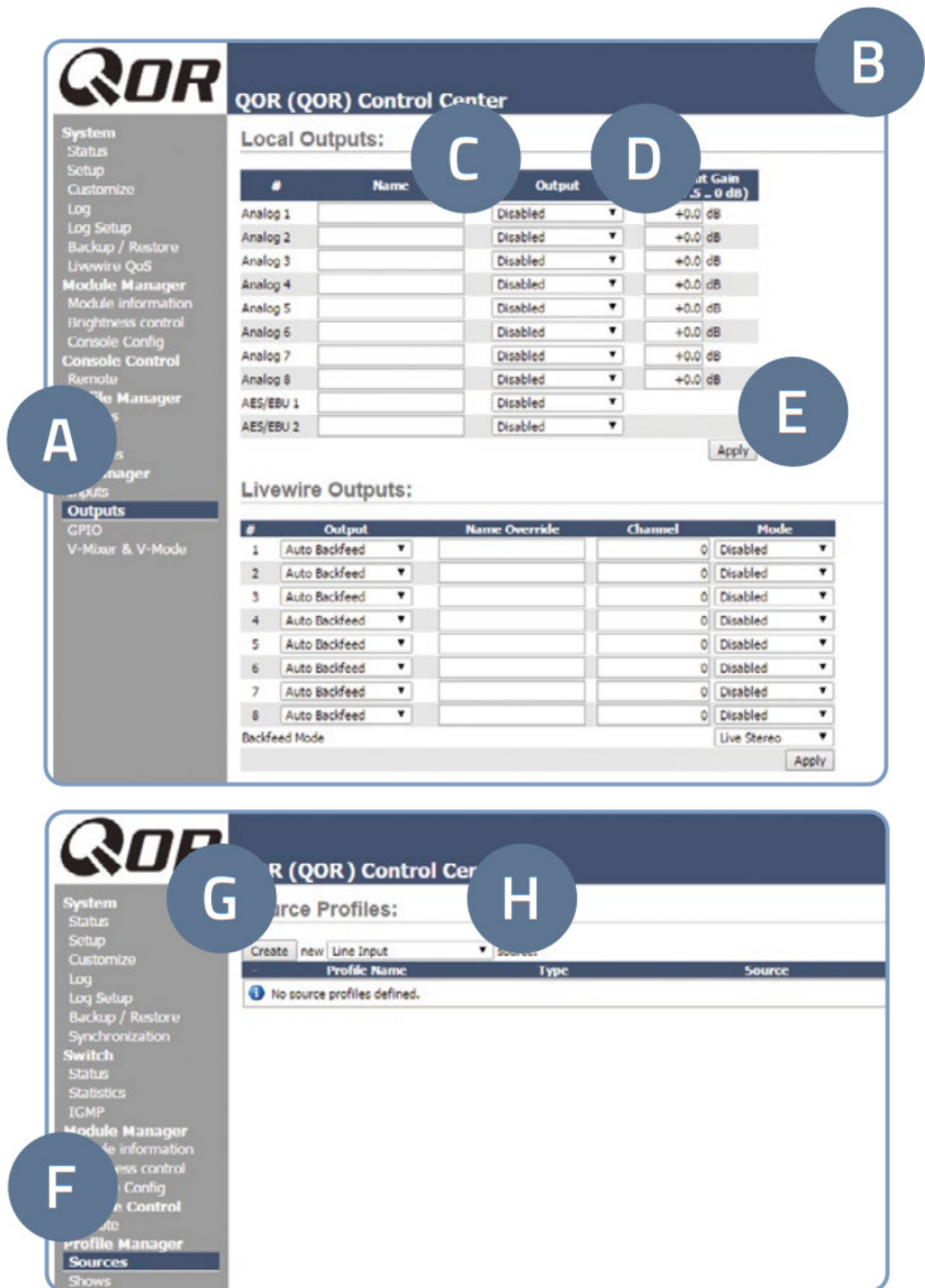
CONTINUE TO OUTPUT CONFIGURATION

Inputs are now configured and your console is ready for output configuration. Continue to the “Output Configuration” instructions.

OUTPUT AND SOURCE CONFIGURATION

1. Remain logged in to the QOR Control Center.
2. In the QOR Control Center navigation in the left column under IO Manager, click “Outputs” (A) to view the Outputs screen (B)

3. Enter the name "Headphones" in the name field column (C) for Analog 1.
4. In the Output column (D), click the dropdown menu for Analog 1 and select "CR Headphones". Click the "Apply" button (E).
5. Enter the name "Monitor Spkrs" in the name field column (C) for Analog 2.
6. In the Output column (D), click the dropdown menu for Analog 2 and select "CR Monitor".
7. In the QOR Control Center navigation in the left column under Profile Manager, click "Sources" (F).
8. Click the "Create" button (G). (Note, the dropdown menu (H) to the right of the Create button should remain at its default value of "Line Input".)
9. An expanded new Source Profile screen will open (I).
10. Enter "1 kHz Tone" in the Source Name field (J).
11. Select the "Sine 1 kHz – 20dBFS" option from the Source input dropdown menu (K).
12. Click the "OK" button (L).
13. Click the "Create" button (G) again. (Note, the dropdown menu (H) to the right of the Create button should remain at its default value of "Line Input".)



14. An expanded new Source Profile screen will open.
15. Enter "Stereo-Src" in the Source Name field (J).
16. Select the "Analog 1" option from the Source input dropdown menu (K).
17. Click the "OK" button (L).
18. From the dropdown menu (H) next to the Create button (G), select "Operator Microphone", then click the Create button (G). An expanded new Source Profile screen will open.
19. Enter "My Mic" in the Source Name field (J).
20. Select the "Microphone 1" option from the Source input dropdown menu (K).
21. Click the "OK" button (L).

CONTINUE TO TESTING

Your inputs and outputs have now been configured.

Let's get to the fun part. Continue to "Testing Inputs and Outputs".

QOR (QOR) Control Center

System
Status
Setup
Customize
Log
Log Setup
Backup / Restore
Livewire QoS
Module Manager
Module information
Brightness control
Console Config
Console Control
Remote
Profile Manager
Sources
Shows
Changes
IO Manager
Inputs
Outputs
GPIO
V-Mixer & V-Mode

Source Profile:

Source type: Line Input
Source name: 1 kHz Tone
Source input: Sine 1kHz -20dBFS
Primary source: 0
Signal mode: Stereo
Signal phase: Normal
Signal mode for Record bus: Stereo
Input trim gain (+25 .. 25 dB): +0.0 dB
Panorama position (-24 .. 24): 0
Audio delay (0 .. 250 ms): 0 ms

Source availability:

<input checked="" type="checkbox"/> Channel 1	<input checked="" type="checkbox"/> Channel 8	<input checked="" type="checkbox"/> Channel 15
<input checked="" type="checkbox"/> Channel 2	<input checked="" type="checkbox"/> Channel 9	<input checked="" type="checkbox"/> Channel 16
<input checked="" type="checkbox"/> Channel 3	<input checked="" type="checkbox"/> Channel 10	<input checked="" type="checkbox"/> Channel 17
<input checked="" type="checkbox"/> Channel 4	<input checked="" type="checkbox"/> Channel 11	<input checked="" type="checkbox"/> Channel 18
<input checked="" type="checkbox"/> Channel 5	<input checked="" type="checkbox"/> Channel 12	<input checked="" type="checkbox"/> Channel 19
<input checked="" type="checkbox"/> Channel 6	<input checked="" type="checkbox"/> Channel 13	<input checked="" type="checkbox"/> Channel 20
<input checked="" type="checkbox"/> Channel 7	<input checked="" type="checkbox"/> Channel 14	<input checked="" type="checkbox"/> External
		<input checked="" type="checkbox"/> V-Mixer

Fader mode: Normal
Preview mode: Pre-Fader (CUE)
Preview switching:
☐ Channel ON turns Preview OFF
☐ Preview ON turns Channel OFF
Auto-start timer:
☐ Enabled
Logic port: Exclusive mode ☐ GPIO ready enabled

Live Controls:

SOURCE	<input type="radio"/> Disabled	<input checked="" type="radio"/> Enabled	<input type="radio"/> Primary
GAIN	<input type="radio"/> Disabled	<input checked="" type="radio"/> Enabled	<input type="radio"/> Primary
MODE	<input type="radio"/> Disabled	<input checked="" type="radio"/> Enabled	<input type="radio"/> Primary
PANORAMA	<input type="radio"/> Disabled	<input checked="" type="radio"/> Enabled	<input type="radio"/> Primary

Apply Ok Cancel

Source Profiles:

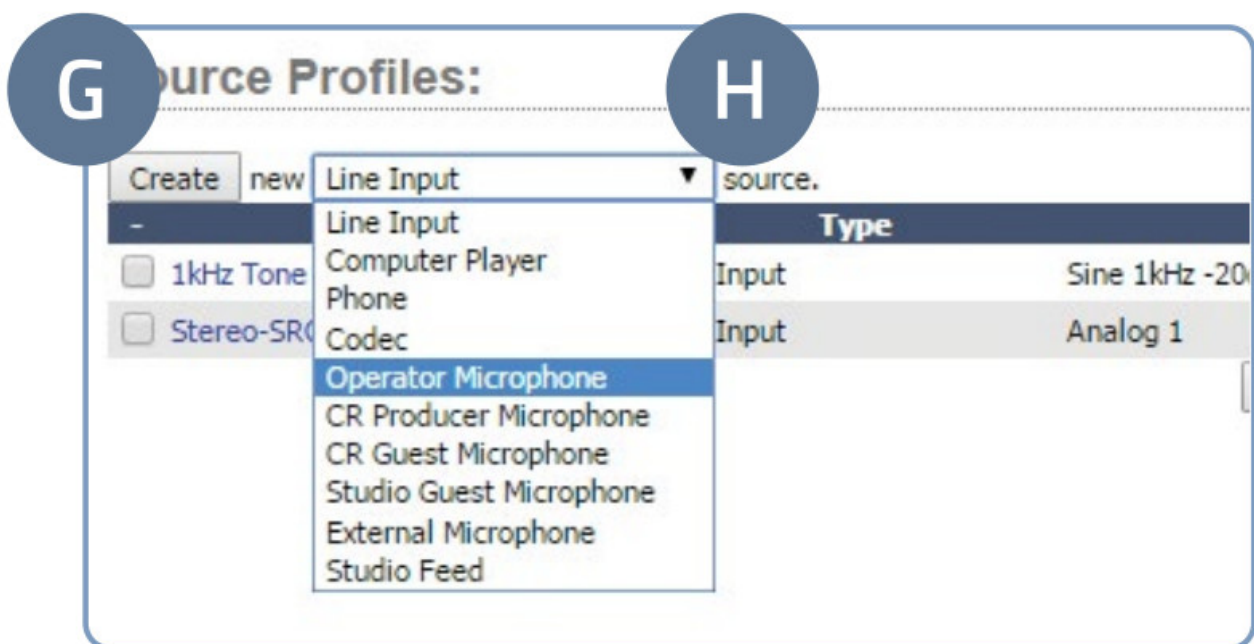
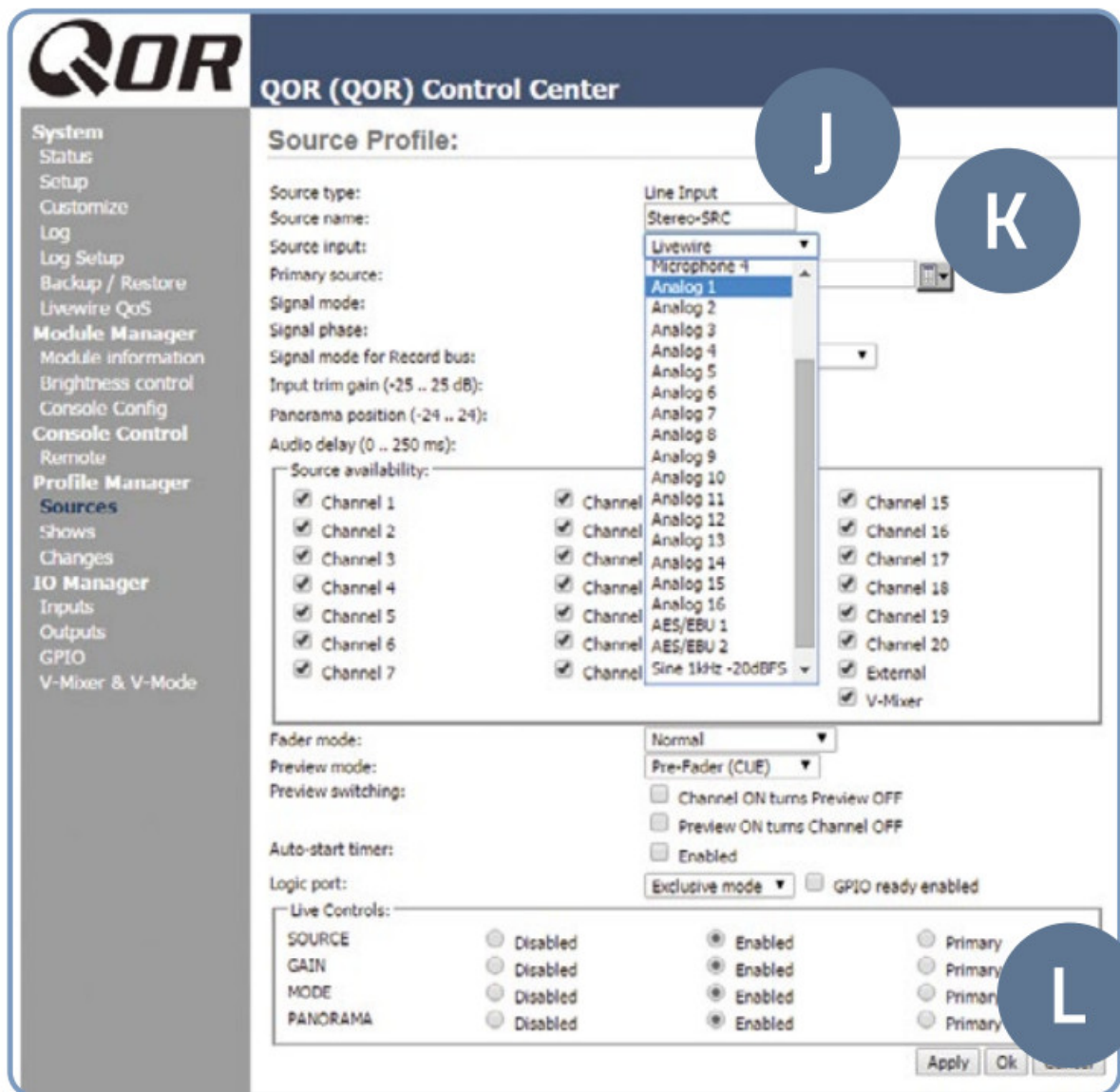
Create new Line Input source.

Profile Name	Type
1kHz Tone	Line Input

CONTINUE TO TESTING

Your inputs and outputs have now been configured.

Let's get to the fun part. Continue to "Testing Inputs and Outputs".



INSTALLATION HELP

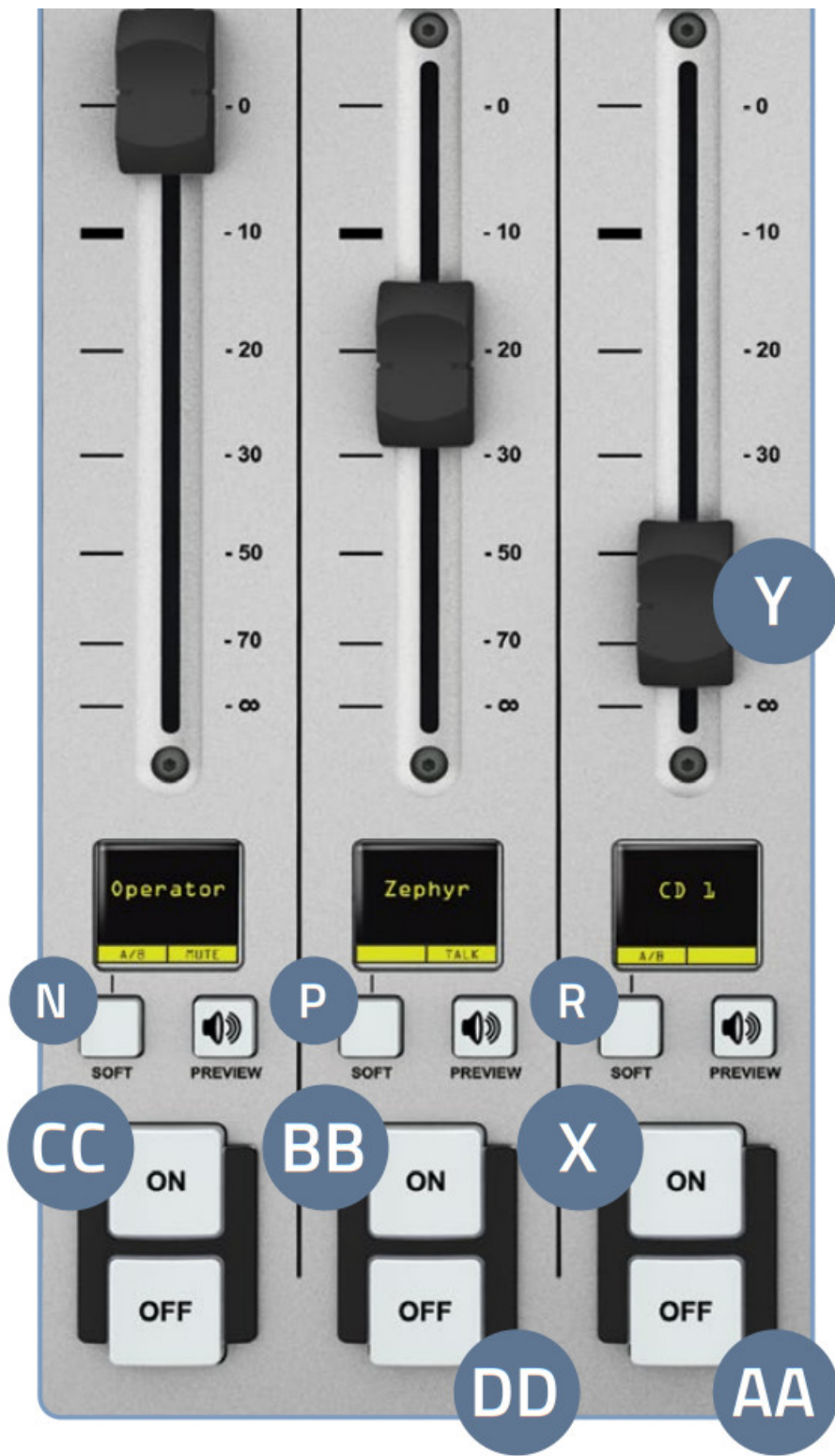
For more details on other configuration options, or for additional information about configuring a particular Axia iQ model, please access the full manual online at <http://www.telosalliance.com/Axia/iQ>.

If you have more questions, call the Telos Alliance 24/7 Support Team at +1 (216) 622-0247, or email us at support@telosalliance.com, we'd be happy to help you out.

TESTING INPUTS AND OUTPUTS

1. On the console, press the top Options knob (M) of channel 1 (the first fader position).
2. Rotate the knob until the OLED for this channel displays "My Mic", then press the Options knob (M) to select.
3. Locate the "Soft" key (N) under the OLED display for this channel and press it twice.
4. Press the top Options knob (O) of channel 2 (the second fader position).
5. Rotate the knob until the OLED for this channel displays "Stereo-Src", then press the Options knob (O) to select.
6. Locate the "Soft" key (P) under the OLED display for this channel and press it twice.
7. Press the top Options knob (Q) of channel 3 (the third fader position).
8. Rotate the knob until the OLED for this channel displays "1 kHz Tone", then press the Options knob (Q) to select.
9. Locate the "Soft" key (R) under the OLED display for this channel and press it twice.
10. To the right of the faders, locate the Monitors knob (S). Above the Monitors knob, press the PGM 1 button (T) so you are monitoring Program 1.
11. On the fader strips for channels 1, 2 and 3, press the PGM 1 (U, V, W) button for each fader to assign the channel to those mixes.
12. Press the "On" button (X) for channel 3 and adjust the linear fader (Y) for the channel until you see the PROGRAM 1 meter on the OLED display (Z) reach -20. Adjust the Monitors knob (S) as needed for proper monitoring of the volume in the speakers.
13. Press the "Off" button (AA) for channel 3 to turn off the channel.
14. Press the "On" button (BB) for channel 2 and adjust the levels of the source. Make sure there is audio coming from your stereo source.
15. You should now hear whatever tunes you are jamming to!
16. Press the "On" button for channel 1 (CC), the speakers should now be muted. Pull on your headphones and adjust the levels for your headphones to a comfortable level.
17. Press the "Off" button for channel 2 (DD) to turn off the channel.
18. Adjust the level of channel 1 as you speak into the microphone. Note: If you are not able to get adequate levels from the mic, you may need to adjust the gain stages from step 4 of "Basic Local Input Configuration".







YOUR SETUP IS COMPLETE!

That's it! You are now ready to experience Axia iQ, the high performance audio console for today's broadcast studio.

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Documents / Resources

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References

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