

Converting iQ and Radius Consoles to Rack-mount Operation

24 June, 2011

This document will show you how to convert iQ Main Frame and Radius IP consoles for use in a standard 19" equipment rack. Please review these instructions in full before commencing. If you have questions, call Axia support at +1-216-241-7225.

Note: iQ Expansion frames cannot be converted to rack-mount operation.

1. Disassembly



Before beginning, turn your console over and place it gently on a soft surface to avoid damaging any displays or painted parts. The diagram on the first page of this document will help you to locate the fasteners that require removal.

- 1) Remove the plastic Connection Panel cover on the bottom of the console (circled in red.). Once removed, release the ribbon cable that connects the meter bridge to the console electronics. Place the plastic cover to the side for later re-installation.
- 2) Remove the 4 rack screws and two side self-threading screws from each side bumper (circled in green). Take care – removing these parts allows the meter bridge to come free of the console bucket.
- 3) Remove the wrist bumper by removing the five screws at the bottom edge of the assembly (circled in blue). This part is not needed for rack-mount operation; please store it in your console shipping box for future use.



Once the fasteners have been removed, your console will be in five separate parts, as shown in the picture at left.



Take one of the side bumpers and remove the three self-threading screws. Separate the rack ear from the side bumper. Repeat with the other bumper. Retain the rack ears; store the bumpers and screws in your console's shipping box for future use.



Remove the two screws which hold each meter bridge side cover in place. Remove the covers and set aside.

Removing the meter bridge end caps reveals four screws and the side mount to the meter bridge. Remove the four screws and the plastic mounts, and keep these parts nearby for reassembly.



Two bolts hold the meter bridge to its extruded mounting. Using a wrench inside the meter bridge to hold the bolt, insert a nut driver through the access window below to loosen each nut.

With the two sets of bolts and nuts removed, carefully pass the ribbon cable through the access holes of the meter bridge base, and separate the two assemblies. Store the meter bridge base, bolts and plastic standoffs in your console's shipping carton for future use.



Re-install the meter bridge side mounts using only the two rear screws as shown in picture.



Secure the two rack ears to the console using the six 4x8 mm. machine screws included in your console's documentation package. Note the orientation of the rack ears – the two offset screw holes (red arrows) must be at the upper end of the console.



Slide the meter bridge into the space created between the tops of the rack ears. The meter bridge can be fastened in two different positions; decide which works best for your application, and secure with the screws you previously set aside.

Turn the console over and connect the meter bridge ribbon cable into its socket. Secure the plastic Connection Panel cover to the underside of the console.



All done! The last step is to rack it!



A few final words of advice:

You now have some extra parts and screws. One way to keep these extra parts organized and available for the day you place your console back on to the tabletop is to place the screws back in their original location. As seen in the accompanying photo, the five screws that held the wrist bumper in place can be secured back onto the console bucket. The assorted self threading screws can be lightly (half a turn or so) screwed back into place for storage. You can place the screws for the meter bridge cover into their holes, and then put a small piece of tape over them to prevent the screws from falling out. With all the same screws still in place, reassembly in the far future will be a lot easier.

We appreciate feedback and observations. If you have any questions or comments, please email Support@AxiaAudio.com .