Q120 Connector Interface

The Q120 Connector Interface offers a convenient way to interface your synthesizer to other equipment. There are two sections which can be used independently, or used to combine signals into stereo connectors. Connectors can be used as inputs or outputs. The following connectors are supported:

> 1/4" Mono Jacks
> Banana Jacks (.75 spacing)
> RCA (Phono) Jacks
> 3.5mm Mono Jacks (Sometimes called 1/8")

Both sides are combined to offer these stereo connectors:

> 1/4" Stereo Jack
> 3.5mm Stereo Jack (Sometimes called 1/8")

Additionally, AC coupling of signals via 1/4" jacks removes any unwanted DC offset that may exist.

Specifications
Panel Size: Single width 2.125"w x 8.75"h.
Power: None.

Calibration and Testing
No calibration is required for this module.
1. Apply a 10v PP signal into the top left 1/4" Jack.
2. Verify that the signal is present at all connectors on the left side and the left channel of both stereo connectors.
3. Do the same test for the right side.

Usage and Patch Tips

Basics
The Q120 Connector Interface is mainly used to allow easy connection to external signal – in or out. Especially useful to connect signals from the synthesizer to amplifiers and recorders. Signals from the synthesizer are relatively high compared to most audio equipment, so make sure to attenuate the signals first. Normally outputs from the Q108 amplifier module will be patched into the top connector, then patched out from one or more of the other connectors on the module.

AC Coupling
Sometimes signals will carry a DC offset which can cause problems with external equipment. Use the 1/4" Jacks at the top of the module to remove the DC offsets via AC coupling.

Stereo
Separated stereo signals can be created by applying one signal to each side of the module. The stereo output is available at the bottom two stereo connectors. This module is not a mixer, do not apply more than one signal to each side at a time.