Operating the JET Stream

How to use the JET Stream

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Connecting Power to the JET Stream

Using the provided DC power supply/adapter, first connect the 2.5mm barrel connector to the JET Stream power amp. Secondly connect the grounded 120V plug into an AC outlet. Connecting the AC connector first may cause a slight spark when plugging in the 2.5mm barrel connector. This is due to the large input capacitance for the preamp section of the JET Stream.

Connecting to the Inputs of the JET Stream

The input connectors are XLR & ¼” combo jacks which can accept balanced and unbalanced input signals.

When your speaker cabinet is further away than 15’ from your modeler, we recommend using either ¼” TRS or XLR balanced cables. This will reduce any stray noise that may be picked up on the input cables. Make sure your modeler is capable of sending a balanced signal to eliminate any stray noise.

If your speaker cabinet is within 15’ of your modeler, standard ¼” mono (TS) cables can be used to connect to the JET Stream. Running mono/unbalanced cables longer than 15’ run the risk of losing signal integrity and possible high end frequency roll off may occur.

* The use of standard ¼” unbalanced cables will have a -6 dB signal loss at the input preamp of the JET Stream compared to using balanced XLR or TRS cables.

Connecting to the Outputs of the JET Stream

The output connectors are industry standard SpeakON type jacks. These types of connectors use heavy gauge speaker wires that can handle the high output wattage the JET Stream is capable of producing. Signal cables typically have ¼” connectors which use smaller gauge wires. Using these types of cables to power your speaker cabinets may result in damage to the JET Stream, your speakers, cables, connectors, etc.

*Only use speaker cables of 14awg or larger with the outputs of the JET Stream

The output power of the JET Stream varies depending on the impedance of the connected speakers/cabinet. Below are the power ratings for each impedance connected to the JET Stream:

- 50 watts with a 4 ohm load connected (100W stereo)
- 25 watts with an 8 ohm load connected (50W stereo)
- 12 watts with a 16 ohm load connected (25W Stereo)

*Never exceed the power rating for the connected speakers / speaker cabinet. Doing so may cause damage to your speakers and/or cabinet.

For example, a single 1x12” speaker cabinet loaded with an 8 ohm Celestion Greenback is rated for 25 watts. Using one output of the JET Stream is a perfect match as the JET Stream will produce 25 watts with an 8 ohm load connected.

You can also have a 2x12” speaker cabinet loaded with two Celestion Greenbacks (rated at 25 watts each) with a total impedance of 4 ohms, this will also be a perfect match. Even though the JET Stream will produce 50 watts and both speakers are only rated for only 25 watts each, the two speakers will evenly share the load across both speakers. Allowing for 25 watts of power to be sent across both speakers evenly.