**AD-D96 MADI User Guide**

**SYNC LEDs** – Indicates which MADI input is active, locked and in sync. The left LED is for optical, the right for coax connections.

**Lock LED** – Indicates when the internal AD converter is locked to the MADI processor.

**Clocking and Sample Rate** - the AD-D96 MADI defaults to 48kHz when there is no MADI input connected. It will follow the clock of the incoming MADI stream at 44.1, 48, 88.2 and 96kHz.

**MADI channel counts** are reduced by half when running at 96kHz sample rates. Be sure to take this into account when planning your system capacity.

**MADI OUT and IN** – Multi-mode optical fiber with an SC-Plug (IEC 874-19) or 75 ohm coax with a BNC connector.

The optical connectors are under the removable black protective cover. Outputs are on the left, inputs on the right.

Optical and coax Out and In can be connected simultaneously. The system will automatically switch between whichever input is actively carrying data. Outputs are always active.

**MADI Throughput Delay** – Latency is three samples per MADI card at 48kHz and 6 samples at 96kHz (the amount of time is the same for either).

A 64 channel system would have 21(42) samples between channel 1 and 64. Take this into account when using stereo mics. Keep them in the same preamp if possible.