Basic System Information

This firmware personality for the DecaBox receives DMX lighing data and generates a series of MIDI messages. It allows easy control of MIDI equipment, such as audio equipment, sound effects generators and other show control elements.

- The system ships with an international switching power supply. System power requirements are 9-12V DC, center positive, 300 mA. The power supply connector has standard dimensions of 2.1mm x 5.5mm.
- MIDI data is sent via the 5 pin 'MIDI Out' jack.
- DMX lighting data is received on the Neutrik 5 pin XLR male jack. If necessary, a 5 pin to 3 pin adapter cable may used to connect various upstream controllers.

The DecaBox USB port is used for firmware updates. *It does not transmit MIDI data.*

Originally, the lighting guys wanted to keep their wiring separate from the audio crew, who were using XLR-3 microphone cable; thus the 5 pin lighting data standard. However, in nearly every current implementation of DMX control only pins 1, 2 and 3 are used. The 5 pin connectors cost about $2 more in quantity, so some manufacturers eschew them for less expensive 3 pin versions. Professional and touring gear still relies nearly exclusively on the 5 pin infrastructure. In either case, pin 1 is ground, pin 2 is 'data complement' or D- and pin 3 is 'data true' or D+.