- **MOLDED ENDS:**

  All surrounding plastic moulds can be removed if you desire to install the controller into a rack. Simply remove the ten screws that secure the ends to the chassis.

Section: 7 Set Up

7.1 Connections

It is strongly recommended that you use shielded twisted-pair cable for your data runs. Microphone cable cannot transmit DMX data reliably over long runs. Never use a “Y” connector or any other means to split the link. If you need to branch out in different directions, use a dedicated Opto-isolated splitter such as the Elation Opto Branch-4 or DMX Branch-4. It is also important to not overload a link. For best results, it is suggested that you run up to 32 fixtures on a single link. Always, terminate the link by installing a termination plug into the output socket of the last fixture in line. In most cases, a terminator consist of a male 3 pin XLR connector with a quarter watt 120 ohm resistor soldered across pins 2 & 3. Ask your local Elation dealer for DMX compliant cables, branches and terminators designed for lighting control.

(1) With an XLR male to female cable, connect the XLR male end into the DMX Operator Pros output socket.

(2) With the opposite end of the same cable, connect the female XLR end into the input of your first moving light fixture or dimmer pack in the link.

(3) With another XLR cable, connect the male XLR end into the output of your first moving light or dimmer pack and the female XLR end into the input of your second moving light or dimmer pack in the link.

(4) In a daisy chain manner, continue to connect the remainder of your moving lights and dimmer packs and install a terminator into the output of the last fixture in the link.

7.1.1 Setting DMX Address Channels for Moving Lights

Every fixture in the link must be assigned a DMX address channel, also known as a start channel, which is the first channel the controller uses to send information to the fixtures. The DMX Operator Pro allows for control of up to 8 individual fixtures each occupying 16 DMX channels. Fixtures of the same type can share the same address and will mimic each others behavior. There is no fixture library incorporated into the DMX Operator Pro. Each fixture is automatically assigned sixteen DMX channels regardless of how may channels it uses. Therefore, the starting address channel for each fixture has been predefined. Please see below for additional instructions on assigning your fixtures.

(1) Set the starting DMX address channel on your first moving light fixture to one (1).

(2) Set the DMX channel on your second moving light fixture to seventeen (17).

(3) Set the DMX channel on your third fixture to thirty three (33).

(4) Set the DMX channel on your fourth fixture to forty nine (49).

(5) Continue to address the remainder of your fixtures according to the chart below.

Fixture #	1	2	3	4	5	6	7	8
DMX Channel	1	17	33	49	65	81	97	113