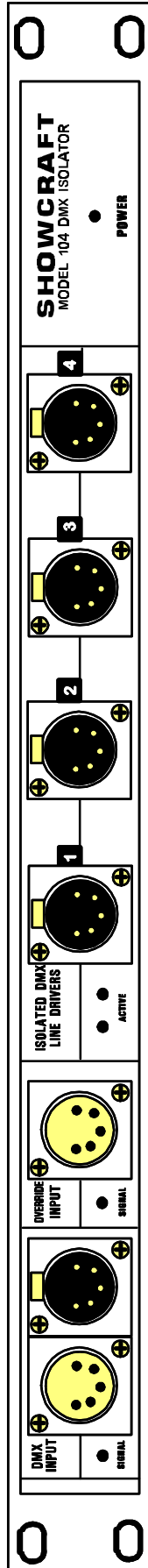


# SHOWCRAFT

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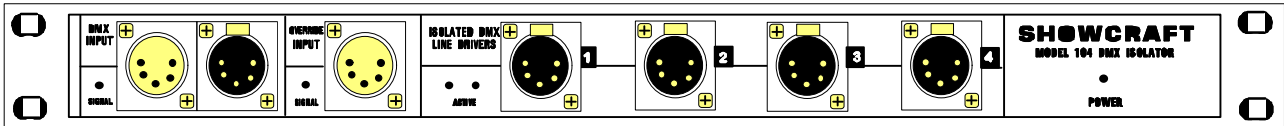
## SHOWCRAFT MODEL 104A DMX ISOLATOR

### OPERATING INSTRUCTIONS

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The 104 DMX isolator has four(4) output lines which can be operated from any one of two DMX input sources. The primary input is derived from the console DMX output. A second input is located on the front panel and when supplied with a DMX signal it will override any other input to the unit, this allows for a riggers control to be plugged into the system without disturbing the normal system wiring.

The four(4) output connectors on the front are fully isolated from mains earth and common ground connections. Each output is a full specification drive capable of 32 loads and cable lengths of 1600 metres. The isolator is housed in a metal case and sized to comply with standard nineteen inch rack specifications, one unit high.



## POWER

Power is supplied to the unit via 240VAC IEC power cord plugged in the rear panel. When powered, the POWER LED located on the front panel lights up to indicate power to the unit.

## DMX INPUT

The DMX Input is the primary input using a 5pin Male XLR to receive DMX output normally from a main DMX source or console. This input is a hardwire loop through to a 5pin Female XLR locking connector.

YELLOW SIGNAL LED is provided and lights up when the unit is receiving DMX from the primary input.

## OVERRIDE INPUT

The Override Input is the second DMX input which is activated by DMX presence in the 5pin Male XLR connector. When second input is activated, this overrides any other input to the unit.

RED SIGNAL LED is provided and lights up when the unit is receiving DMX from the second input.

## OUTPUTS

The Outputs consists of four 5pin Female XLR locking connectors. Each of the four outputs are individually isolated from each other and can supply fully compliant DMX signal. (Up to 1600 metres of cable and 32 loads allowable per outlet).

YELLOW ACTIVE LED lights up to indicate the output DMX signals are from the primary DMX INPUT.

RED ACTIVE LED lights up to indicate the output DMX signals are from the second OVERRIDE INPUT.

**Note:** To ensure that full isolation is maintained between lines care must be taken that no wiring within any connector can contact the metal casing.

**DMX Input:**

5pin Male XLR connector looped through to 5pin female XLR locking connector.  
Signal indicator provided  
Hardwire loop-through

**Override Input:**

5pin Male XLR connector.  
Activated by DMX presence.  
Signal indicator provided.

**Outputs:**

Four(4) optical isolated DMX specification drivers.  
5pin Female XLR locking connectors.  
Signal source indicators.

**Power:**

IEC 3pin Male inlet socket 240VAC 10VA

**Mains Fuse:**

Finger release screw-in panel mount fuseholder (1¼" x ¼")  
Fuse ceramic 2.5A Anti-surge Size:1¼" x ¼"

**Physical:**

Weight: 2kg  
Size: 482mm x 206mm x 44mm.  
Blackened aluminium construction.  
19" rack mount chassis  
1 unit high