RDS4

GENERAL INFORMATION

The RDS4 is a splitter and isolator of DMX signals that incorporates features needed when Remote Device Management (RDM) signals are traveling through the network.

APPLICATIONS

- THEATRES
- TOURING
- ARCHITECTURAL
- THEME PARK
- TRADE SHOW

FEATURES

- 1 DMX input and 4 DMX outputs.
- Normal mode: splitter actively repeats RDM traffic bidirectionally while level information goes from controller to DMX devices as usual
- Filter Mode: Single button-press allows all RDM traffic to be filtered out, for legacy devices which might flicker if they saw the messages on the line
- Bypass Mode: Another button bypasses intelligent RDM functionality completely to work as a traditional DMX splitter would
- Fully compliant with ESTA and USITT standards for DMX512A with RDM and RDM Standard ANSI E1.20 - 2006*
- Internal autoranging power supply

*Not all controllers or fixtures which purport to have "Remote Device Management" are compliant to the Standard. Be sure the ones you want to use are, before engaging RDM mode on this splitter.

ACCESSORIES

- 3-pin to 5-pin Adapters (not included)
- DMX USB Pro or RDM USB Pro (neither are included) and Controller application can talk to RDM enabled devices and interrogate them if user's console of choice is not RDM-ready
- RDM USB Pro and Sniffer software (sold separately) allow user to monitor all RDM traffic on line.

ORDERING INFORMATION

Part Number	Description
#70037	RDS4

OPTIONS

PartNumber	Description
#70029	3-pin to 5-pin Adapters

SPARE PARTS

Part Number	Description
#79104	Universal Power Supply

GENERAL SPECIFICATIONS

| Power Requirements	90-260vac, 50-60Hz, 20w
Weight	1.65 lbs / 0.75 kg
Shipped Weight	3.19 lbs / 1.45 kg
Width:	11.82" / 300mm
Height	1.75" / 44.45mm
Depth	4.53" / 115mm
Rack	1RU high (but too narrow to be easily mountable)
Operating Environment	0°-50°C in non-condensing environment

FUNCTIONAL SPECIFICATIONS

- RDS4 supports one universe of 512 output addresses
- All ports are isolated up to 1500V
- Input Port is 5 pin XLR Male
- Output Ports are 5 pin XLR Female
- Break Length Time : Replicates input signal to within 50us
- Refresh Cycle : Replicates input signal
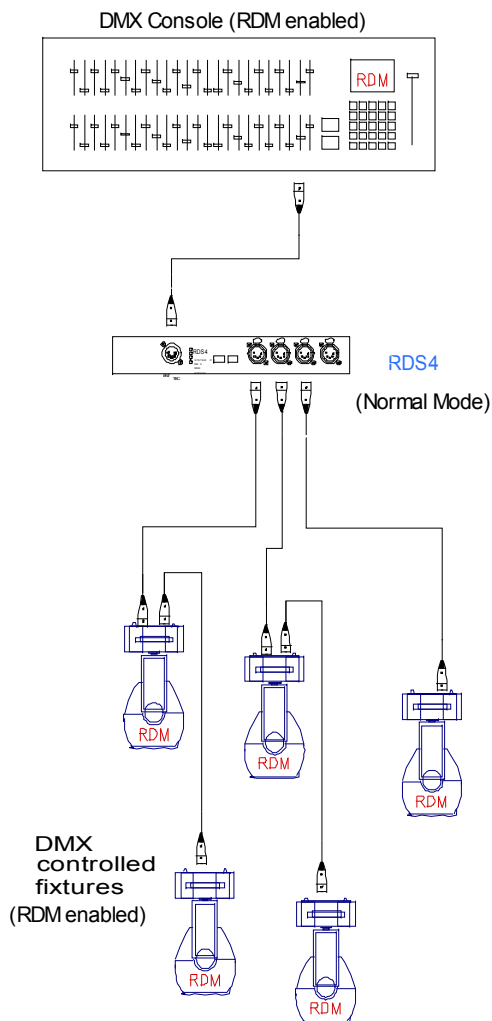- CE, FCC certified

Technical Illustration with Dimensions
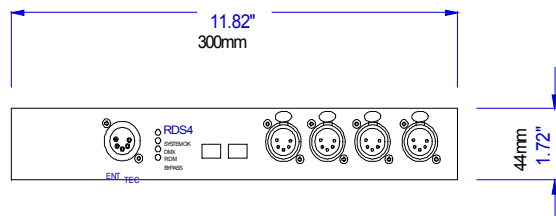
Closeup of Status LEDs
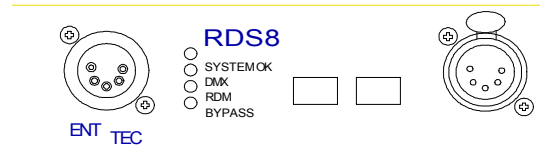
Wiring Diagrams

RDS4 as splitter for RDM enabled fixtures

For additional information
see the schematic diagram sheets