

e:cue

L I G H T I N G C O N T R O L

RDM Isolator

Setup Manual

Galvanically isolated DMX / e:pix/ RDM repeater & line isolator

RDM Isolator – Setup Manual

Table of Contents

1. Device overview	4
2. Delivery content.	5
3. RDM Isolator Connectors	6
4. Technical Specifications.	7
4.1 General specifications	7
4.2 Dimensions	8
5. Warning Notice	9
7. Imprint, Copyright	10

1. Device overview

The RDM isolator repeats DMX and e:pix (one way) as well as RDM (bi-directional) signals over a galvanic isolation barrier. The power supply has a separate isolation barrier (“external” selected) or is aligned with the output potential (“DMX power” selected).

Key Features

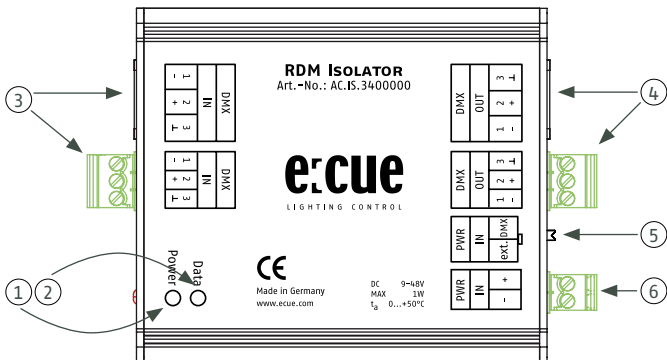
- Flexible data ports (RJ45 or screw terminals)
- USITT DMX512A and e:pix compatibility
- Full ANSI E1.20-2006 RDM support
- Device can be powered by power back via TXconnectdata (RJ45 output)
- Separate, fully isolated power supply port

2. Delivery content

- RDM Isolator
- 2x3-pole screw terminal plugs
- 2-pole screw terminal plugs
- This setup manual



3. RDM Isolator Connectors



- 1. Power LED:**
Indicates operational device
- 2. Data LED:**
Indicates valid data input:
On = valid DMX/epix signal or RDM request detected
Blinking = valid RDM response detected
- 3. Data input port:**
Use either RJ45 (Traxon-e:cue pin assignment) OR screw terminals.
- 4. Data output port:**
Use either RJ45 (Traxon-e:cue pin assignment) OR screw terminals
Biased RDM command port
Power back function on pins 5 (24VDC) and 3 (GND)
- 5. Power supply selector:**
Select „DMX“ for Traxon-e:cue power back function or „ext.“ for separate power supply unit.
- 6. Power supply port:**
If selected supply 9-48VDC with at least 1W.

RDM Isolator – Technical Specifications

4. Technical Specifications

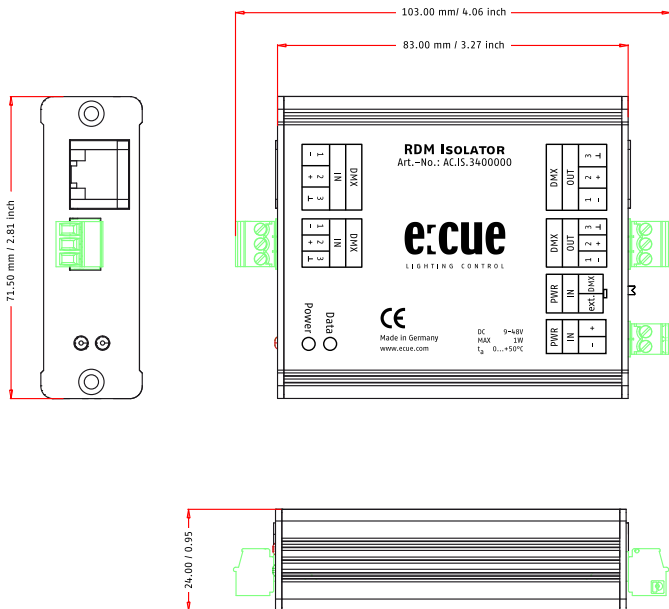
4.1 General specifications

Item Number	
RDM Isolator	AC.IN.3400000
General Specifications	
Dimensions mm / inch	71 x 24 x 80 mm / 2.8 x 0.94 x 3.15 inch
Weight kg / lbs	0.12 kg / 0.26 lbs
Power	9–48V DC, 1W (ext.)
Operating / storage temperature	0–50°C / 32–122°F
Operating / storage humidity	0–90%, non-condensing
Environment	IP20
Housing	anodized aluminium
Certifications	CE
Accessories Specifications	
User Interface	Switch
Output	DMX512 / e:pix / RDM (RJ 45, Screw Terminals)
Input	DC Input (Screw Terminal) DMX512 / e:pix / RDM (RJ 45, Screw Terminals)
Display	LED Indicators
Operating System	e:cue

RDM Isolator – Technical Specifications

4.2 Dimensions

All dimensions in mm and inch (mm/inch).



5. Warning Notice



The maximum power supply voltage is limited to 48V DC.



Any usage other than described in this manual is not permitted, can damage the device and lead to associated risks such as short-circuit, fire or electric shock. If not otherwise noted, no part of the product may be modified or rebuilt.

7. Imprint, Copyright

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