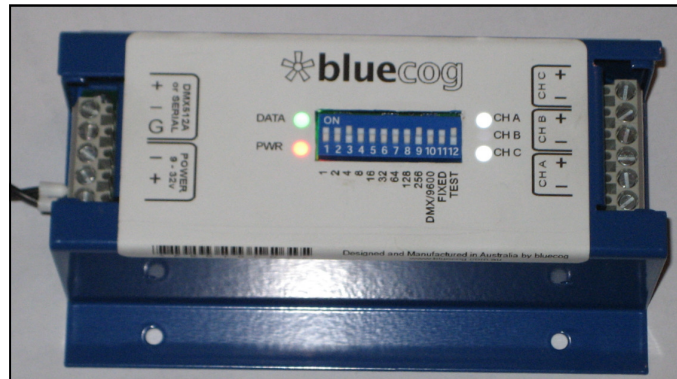


3ch DMX / Serial LED Driver



The bluecog RS232 to DMX interface box allows control systems and AV automation systems such as Crestron to control DMX based devices including LED lighting and moving lights.

A simple serial protocol allows full control of the output with a fast response time.

Onboard LEDs enable diagnostic monitoring.

A power supply loop connector allows simple connections between multiple units, or connection inline when used with a Crestron QM-RMC processor

Build in chases for use with three channel RGB fixtures simplify coding requirements.

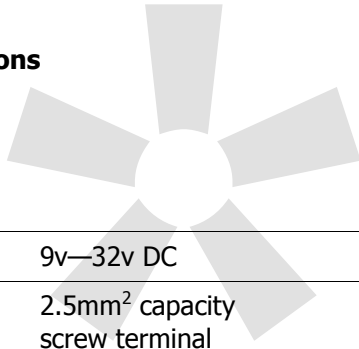
Supplied with 12v DC switch mode plug pack and 1.8m RS232 cable.

Available in standard or flange mount enclosure

Applications

- > RGB LED colour mixing from a touch panel
- > Moving Light control
- > Use built in stand-alone colour chaser mode for testing or demonstration
- > Decorative lighting control
- > Theatrical Dimmer control
- > House Light control from the Automation system
- > Astronomical control of mood and colour
- > Building exterior lighting control

Technical Specifications



Power Supply

Voltage	9v—32v DC
Connectors	2.5mm ² capacity screw terminal
Polarity	Centre Pin Positive

DMX Input

Connector	5 Pin Female XLR Connector
Pinout	1 GND 2 Data - 3 Data + 4, 5 NC
Refresh Rate	90Hz (11mS)
Break Time	120uS
Packet Length	32 Channels

Indicators

Power On	Red LED
RS232 Comms	Green LED
DMX Comms	Green LED

Serial Interface

Serial Interface	RS232 Standard
Connector	DB9 Female
Baud Rate	9600
Data format	8N1
RS232 Pinout	2 RS232 In 3 RS232 Out 5 GND 8 CTS

Order Code

Standard	DRV-305-CV
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Crestron example programme and touch panel layout are available from our website.

Protocol Information

Data Format

[C][C][C][@][V][V][V][F][T][T][T]\x0D\x0A

CCC is a channel value between 01 and 65.
VVV is a level value between 000 and 255.
Values must be padded with zeros to be the full number of characters. No delimiter is required.

If a message is sent that the unit does not understand the unit will ignore it.
All data is sent as ASCII Characters.

Channel 00 is used to trigger the internal chase routine on DMX channel 1, 2 and 3.
Speed is set with a level value of 001 for slow, 002 for medium and 003 for fast.
000 will cancel chase mode.
Sending any other channel message will also cancel the chase.

The units have an internal jumper to enable the chase at power up. This can create a stand alone colour scroll unit or be useful as a diagnostic test tool.

Message Examples

!01127	Channel 1 to 127 (50%)
!00002	Trigger Medium Fast Chase
!15255	Channel 15 to 255 (100%)



P: 02 9126 8349

E: sales@bluecog.com.au

www.bluecog.com.au

