

RS232 to DMX Interface – Gen 2



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.

Full control of 512 channels. 8 presets of 512 channels can be stored and recalled.

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

Onboard LEDs enable diagnostic monitoring.

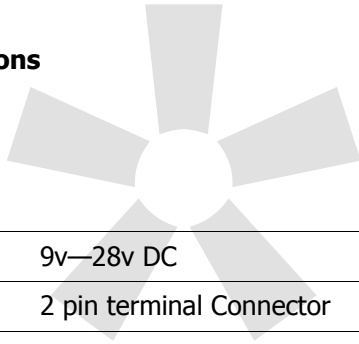
In built fade engine allows simple serial control of multiple timed fades for channel or preset recall.

Can be used with 1 way serial ports to allow control from even the simplest of control systems.

Applications

- > RGB LED colour mixing from a touch panel
- > Moving Light control
- > 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—28v DC
In Connectors	2 pin terminal Connector

DMX Output

Connector	5 Pin Female XLR Connector
Pinout	1 GND 2 Data - 3 Data + 4, 5 NC
Refresh Rate	25Hz (11mS)
Break Time	140uS
Packet Length	512 Channels

Indicators

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

Serial Interface

Serial Interface	RS232 Standard
Connector	DB9 Female
Handshake	None
Baud Rate	9600
Data format	8N1
RS232 Pinout	2 RS232 In 3 RS232 Out 5 GND

Order Code

Standard	232DMX-G2
----------	-----------



Crestron example programme and touch panel layout are available from our website.

Protocol Information

Data Format

`[C][C][C][C]@[V][V][V](F[T][T][T])CR`

CCC is a channel value between 001 and 512.

VVV is a level value between 000 and 255.

TTT is an optional fade time.

Values must be padded with zeros to be the full number of characters. A CR Delimer is required.

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

Message Examples

001@127	Channel 1 to 127 (50%)
001@255F040	Channel 1 to 255 over 4s
015@255	Channel 15 to 255 (100%)



P: 02 9126 3490
E: sales@bluecog.com.au

www.bluecog.com.au

