

EPIC'S RS232 ADVANCED



Product Introduction:

The EP-RS232-ADV LED Controller is a highly professional and intelligent system to control common anode LED lighting or incandescent light bulbs via 2-way RS232 serial commands. The EP-RS232-ADV provides 4 high current channel to create light scenes. The controller can also operate in a standalone mode which includes pre-programmed light sequences. This LED controller is ideal used for flexible ThinGlow™ LED strips.

Key Features

- 4 high current channels with independent control - **The highest in the industry. RGB+White**
- Suitable for common anode RGB LED strips, LEDs and incandescent bulbs.
- Standalone mode with 8 preprogrammed light sequences.
- Custom user-editable sequence via RS232.
- Wide-range effect speed adjust.
- Wide-range of external input accessories such as IPAD, relays, and wireless transmitter.
- Complete lists of color and scene serial commands to save programming time.
- Memory for last selected sequence and user-editable sequence.
- Serial TTL interface to control from your microcontroller or PC - interface sold separately.
- Addressable. Multiple modules can be connected with independent control for each module.
- Small form factor (A1 sending sizes).
- PWM of 480 Hz to deliver smooth dimming and a wide range of color spectrum of LED light fixtures.
- Override memory feature that allows last program to continue even in an event whereby the RS232 is disrupted for any reason.
- Reverse polarity protection.

Specifications

Power Requirement	External power supply - (power supply sold separately)
Operating Voltage:	Input: 8-24V DC Output: 8-24V DC (depends on input)
Channel Current:	10Amp@12V DC Per Channel 20A@24V DC Per Channel



Specifications (con't)

LED intensity control:	255 intensity levels/channel
Communication Interface:	Serial RS232 and serial TTL interface, 9600 baud, 8 data bits, 1 stop bit, no parity, no handshaking, and no flow control
Dimension:	4" x 6.75" x 1.75" in
Weight:	3.5 lbs

Control & Indicators

Net ID:	DIP switches
Power:	Blue LED on logo, indicates when power is applied
RGB Speed:	Blue LED on logo, indicates color changing speed
R-G-B output:	RGB LED on board
White Output:	White LED on board

Enclosure

Black anodized aluminum with laser engraving
Logo - optical grade acrylic with LEDs

Connectors
Screw terminal up to 10Awg conductor diameter.

Recommended Wiring

18 Awg	up to 5 Amp total
16 Awg	up to 10 Amp total
12 Awg	up to 20 Amp total
10 Awg	up to 40 Amp total

AMPERAGE		
Color/Channel	12V	24V
Red	10Amp	20 Amp
Green	10Amp	20Amp
Blue	10Amp	20Amp
White	10Amp	20Amp
Total	40Amp	80Amp

EPIC'S RS232 PRO



Product Introduction:

The EP-RS232-PRO LED Controller is a highly professional and intelligent system to control common anode LED lighting or incandescent light bulbs via 2-way RS232 serial commands. The EP-RS232-PRO provides 4 high current channel to create light scenes. The controller can also operate in a standalone mode which includes pre-programmed light sequences. This LED controller is ideal used for flexible ThinGlow™ LED strips.

Key Features

- 4 high current channels with independent control - **The highest in the industry. RGB+White**
- Suitable for common anode RGB LED strips, LEDs and incandescent bulbs.
- Standalone mode with 8 preprogrammed light sequences.
- Custom user-editable sequence via RS232.
- Wide-range effect speed adjust.
- Wide-range of external input accessories such as IPAD, relays, and wireless transmitter.
- Complete lists of color and scene serial commands to save programming time.
- Memory for last selected sequence and user-editable sequence.
- Addressable. Multiple modules can be connected with independent control for each module.
- Small form factor (AI sending sizes).
- PWM of 480 Hz to deliver smooth dimming and a wide range of color spectrum of LED light fixtures.
- Override memory feature that allows last program to continue even in an event whereby the RS232 is disrupted for any reason.
- Reverse polarity protection.

Specifications

Power Requirement	External power supply - (power supply sold separately)
Operating Voltage:	Input: 8-24V DC Output: 8-24V DC (depends on input)
Channel Current:	5Amp@12V DC Per Channel 10A@24V DC Per Channel



Specifications (con't)

LED intensity control:	255 intensity levels/channel
Communication Interface:	Serial RS232
	9600 baud, 8 data bits, 1 stop bit, no parity, no handshaking, and no flow control
Dimension:	4" x 5" x 1.75" in
Weight:	2.5 lbs

Control & Indicators

Power:	Blue LED on board/or logo
RGB Speed:	Blue LED on board/or logo
R-G-B output:	RGB LED on board
White Output:	White LED on board

Enclosure

Black anodized aluminum with laser engraving
Logo - optical grade acrylic with LEDs

Connectors
Screw terminal up to 10Awg conductor diameter.

Recommended Wiring

18 Awg	up to 5 Amp total
16 Awg	up to 10 Amp total
12 Awg	up to 20 Amp total
10 Awg	up to 40 Amp total

AMPERAGE

Color/Channel	12V	24V
Red	5Amp	10 Amp
Green	5Amp	10Amp
Blue	5Amp	10Amp
White	5Amp	10Amp
Total	20Amp	40Amp