episode

engineered by
Snapav

OWNER'S MANUAL >>IR REPEATERS

IR1X4   **IR2X6**

TABLE OF CONTENTS

1. INTRODUCTION

Episode is one of the most highly-regarded brands of electronics equipment available today. We appreciate your business and we stand committed to providing our customers with the highest degree of quality and service in the industry.
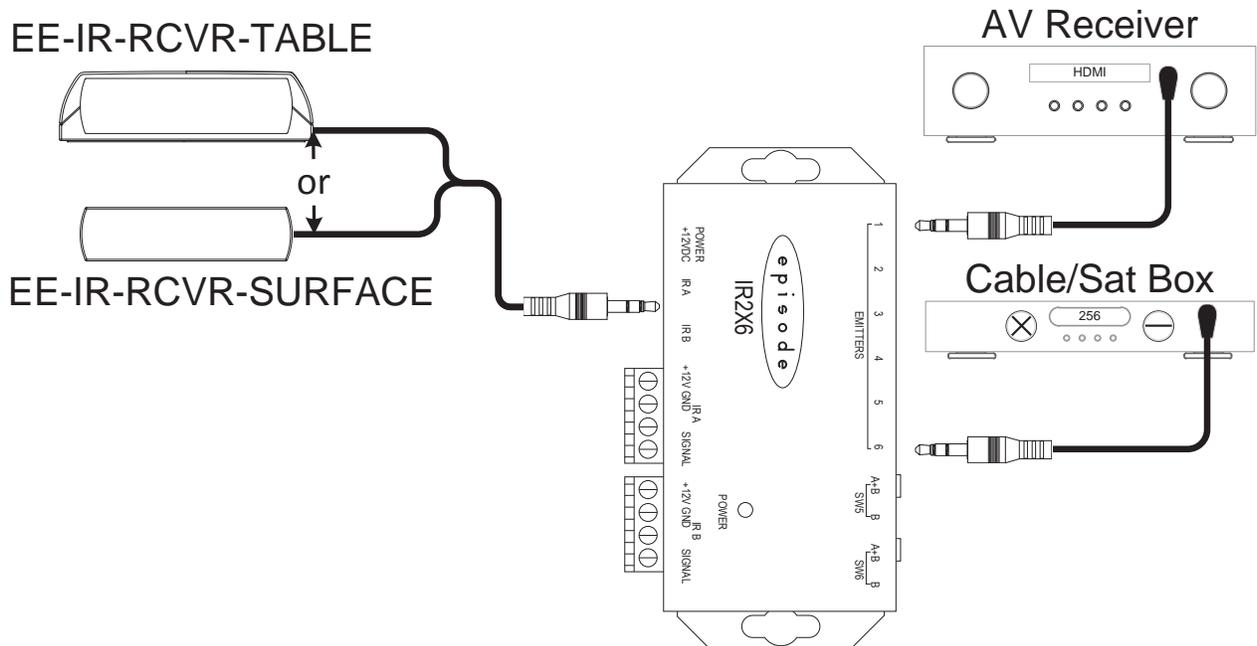
2. INSTALLATION

2.1. BASIC CONNECTIONS (1/8″ – 3.5MM JACKS)

1. Connect an IR Receiver to the IR Receiver In
   (IR A or IR B on IR2X6).

Note: Do not connect the IR Receiver to an IR Emitter connection as damage to the Receiver may occur.

2. Connect the desired number of IR Emitters to the Emitter connections.

2.2. ADVANCED CONNECTIONS

When using the IR Receiver located in a remote location, the screw terminals can be used to extend the cable attached to the IR Receiver. When using the screw terminals, proper polarity MUST be maintained in order to avoid damaging the IR Receiver.
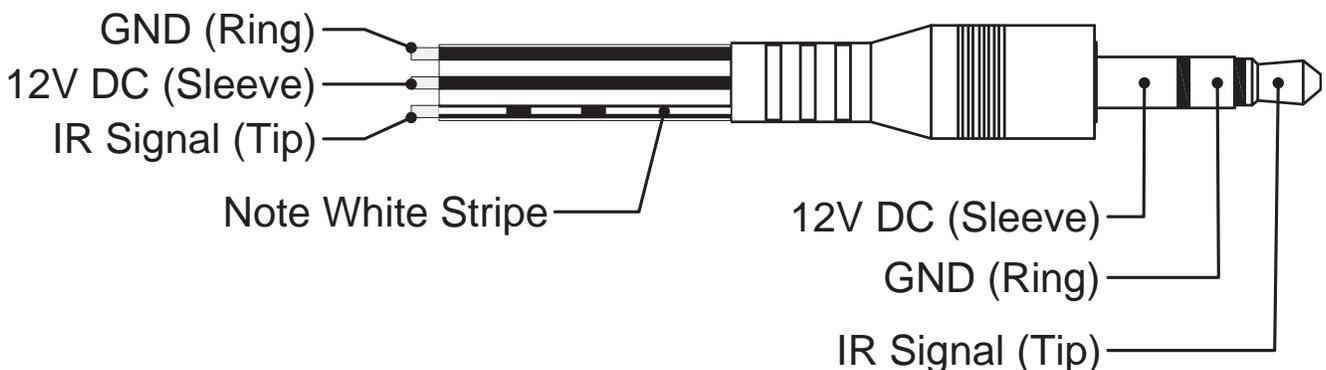
The screw connections are also useful when connecting to the output of a control system.

*Note: When connecting to a control system, the +12VDC is not used.*

GND
12V DC
IR Signal
Note White Stripe

+12V GND   SIGNAL   POWER
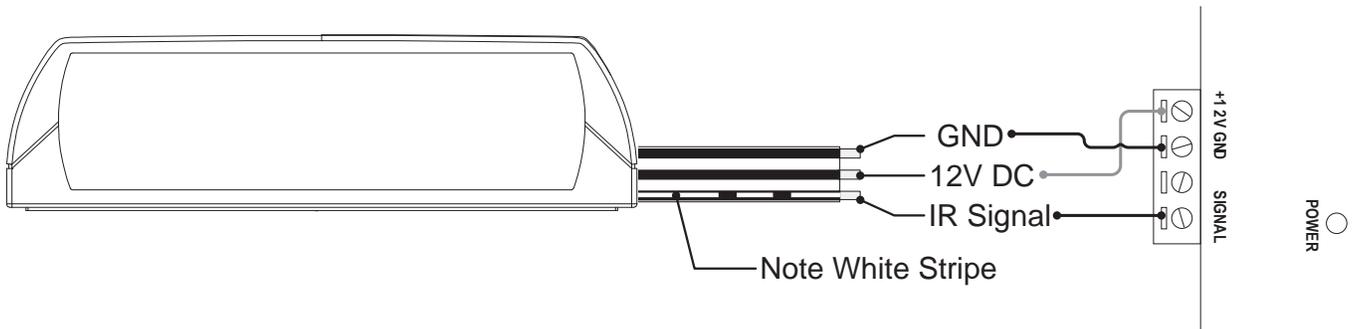
EXTENDING THE CABLE

Should the cable for the IR Receiver not be long enough for the installation, it can be extended by removing the 3.5mm (1/8″) connector and splicing in a length of wire. When this method is used, proper polarity MUST be maintained in order to ensure proper operation.

GND (Ring)
12V DC (Sleeve)
IR Signal (Tip)
Note White Stripe
12V DC (Sleeve)
GND (Ring)
IR Signal (Tip)

3

LONG CABLE RUNS

When using long lengths of cable (>50 ft.), it may be necessary to connect a 470 Ohm 1/8 Watt resistor between IR IN (signal) and GND. The resistor discharges the cable capacitance, which allows high bit-rate IR codes to work with higher reliability.

IR Connecting Block Terminals

12V DC

GND

470 Ohm 1/8 Watt Resistor

IR Signal

+12V GND SIGNAL
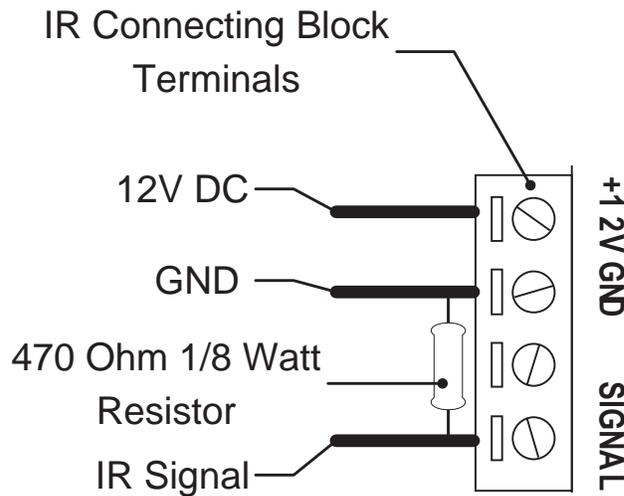
2.2.1. IR2X6 IR RECEIVER INPUT CONFIGURATION

The IR2X6 can be configured to send IR from input B to emitter outputs 5 and 6 by setting the switches located next to the Emitter outputs

A+B   B   A+B   B
    SW5   SW6
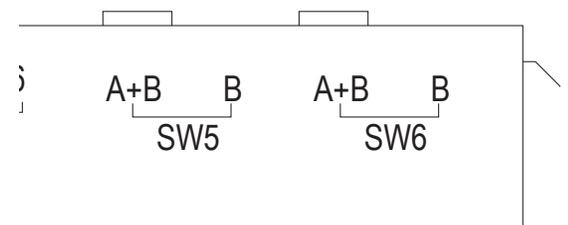
2.3. TROUBLESHOOTING

When multiple IR Receivers are used in a system, the potential for increased IR noise exists. This may affect the reliability of the system and reduce the range of the IR. If this occurs, remove the IR Receivers one at a time to determine the maximum number for the installation.

3. SPECIFICATIONS

IR1X4	
INPUTS	(1) 1/8" 3.5MM JACK
	(1) 4 SCREW TERMINAL PLUG
OUTPUTS	(4) 1/8" 3.5MM JACKS
POWER	+12VDC 10MA
DIMENSIONS	2" (50.8MM) H X 4" (101.6MM) W X 1" (25.4MM) D

IR2X6	
INPUTS	(2) 1/8" 3.5MM JACK
	(2) 4 SCREW TERMINAL PLUG
OUTPUTS	(6) 1/8" 3.5MM JACKS
POWER	+12VDC 10MA
DIMENSIONS	2" (50.8MM) H X 4.875" (123.83MM) W X 1" (25.4MM) D

4.WARRANTY

3-Year Limited Warranty

Episode® Electronics Products have a 3-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assignment return authorization number (RA).

5.CONTACTING TECHNICAL SUPPORT

PHONE: (866) 838-5052

EMAIL: TECHSUPPORT@SNAPAV.COM

engineered by **Snap** av

120424-1411