episode

INSTALLATION MANUAL
EE-IR-RCVR-SM
EE-IR-RCVR-TT
EE-IR-RCVR-TUBE

REAL. LIFE. SOUND.

PRODUCT OVERVIEW

Welcome to Episode®. This product is engineered to provide years of exceptional reliability. We appreciate your business, and we stand committed to providing our customers with the highest degree of quality and service in the industry.

PACKAGE CONTENTS

- 1x IR Receiver
- 1x Washer (Tube only)
- 1x 3.5mm to 3-pin Male Screw Terminal Adapter
- 1x 3.5mm to 3-pin Female Screw Terminal Adapter
- 2x Adhesive Strips (SM/TT models only)*
- 1x Installation Manual

NOTE: Adhesive strips for the TT model are stored inside of the plastic housing. See 3.1.1 for details on converting a EE-IR-RCVR-TT to EE-IR-RCVR-SM.
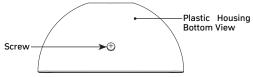
SETUP

EE-IR-RCVR-SM/TT Placement

Determine the best location for the IR Receiver. The IR Receiver should be placed so that it does not directly face other light sources such as lamps or displays (standard, LCD, or plasma).

Ensure that this location is within the distance parameters of the IR Receiver.

Convert EE-IR-RCVR-TT to EE-IR-RCVR-SM

1. Remove the screw and open the plastic housing.

Plastic Housing Bottom View

Screw

2. Remove the module and adhesive strips inside to use as a surface-mount IR Receiver.
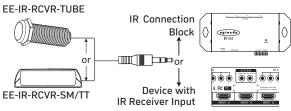
EE-IR-RCVR-TUBE Mounting

Drill a 1/2" hole in any surface, such as a cabinet panel. Pass the lead and body of the EE-IR-RCVR-TUBE through the hole, and secure from the rear with the supplied nut.
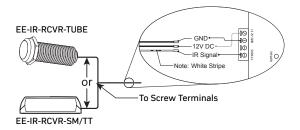
CONNECT

Standard Wiring

Connect the IR Receiver to an IR Repeater, or any device with an IR Receiver input.

EE-IR-RCVR-TUBE

or

EE-IR-RCVR-SM/TT

IR Connection Block

or

Device with IR Receiver Input

Note: Do not connect the IR Receiver to an IR Emitter connection as it may damage the IR Receiver.
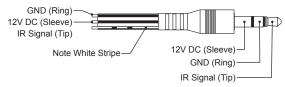
IR Repeater Screw Terminals

When using an IR Repeater, the IR Receiver can be connected to the screw terminals by removing the 3.5mm (1/8") connector. When this method is used, proper polarity **must** be maintained in order to ensure proper operation.

EE-IR-RCVR-TUBE

or

EE-IR-RCVR-SM/TT

GND
12V DC
IR Signal
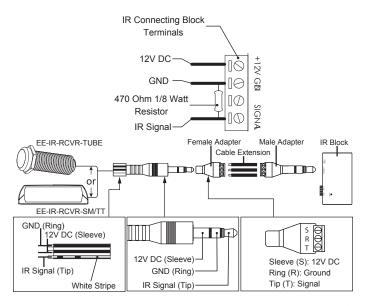Note: White Stripe

To Screw Terminals

Extending the Cable

Attach or extend the wire using the provided adapters. Proper polarity **must** be maintained in order to ensure proper operation. Wire pinouts are displayed below for reference.

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

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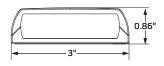

IR Connecting Block Terminals

12V DC
GND
470 Ohm 1/8 Watt Resistor
IR Signal

+12V GÐ
SIGNA

EE-IR-RCVR-TUBE

or

EE-IR-RCVR-SM/TT

Female Adapter
Male Adapter
Cable Extension
IR Block

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

12V DC (Sleeve)
GND (Ring)
IR Signal (Tip)

S
R
T

Sleeve (S): 12V DC
Ring (R): Ground
Tip (T): Signal

SPECIFICATIONS

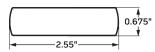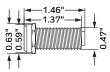|	
Power	+12VDC @ 25mA
Maximum Recommended Cable Length	1000' with CAT 5 cables
Carrier Frequency Acceptable Range	30kHz to 60kHz
Control Range	4' to 40' without speaker grille 2' to 28' with speaker grille *Actual range depends on signal strength and ambient noise conditions.
Control Angle	0+/- 45° off axis
Dimensions	
EE-IR-RCVR-TABLE	0.86" H x 3" W x 1.42" D
EE-IR-RCVR-SURFACE	0.68" H x 2.55" W x 0.39" D
EE-IR-RCVR-TUBE	0.63" W x 1.46" D

DIMENSIONS

EE-IR-RCVR-TABLE

0.86"
3"
1.42"

EE-IR-RCVR-SURFACE

0.675"
2.55"
0.385"

EE-IR-RCVR-TUBE

1.46"
1.37"
0.63"
0.59"
0.47"

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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 that have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to a designated service center with an assigned return authorization (RA) number. Contact technical support for an RA number.

CONTACTING TECHNICAL SUPPORT

866.838.5052

support@episodeaudio.com

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