IR Repeater Distribution Kit (IR104K1)

Thank you for purchasing the IR repeater system which is ideal for controlling up to 8 units of IR-controlled A/V devices behind closed doors or closets using your existing IR remote controls.

EACH SYSTEM CONTENTS:

(1) RPT-104-1

    IR CONNECTING BOX_____1PCS

(2) IRC-3060S06

    IR receiver with 3-conductor cable_____1PCS

(3) IEC-3501E-05

    SINGLE IR EMITTER Non-Blinking_____1PCS

(4) IEC-3502F-05

   DUAL IR EMITTER Blinking_____1PCS

(5) Power Supply

    12V/500mA switching power_____1PCS
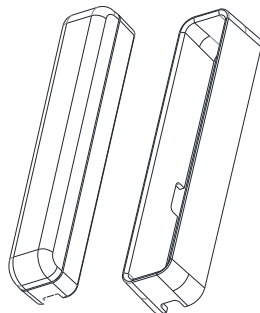
MOUNTING INSTRUCTION

(according to the above installation diagram):

- Mount the RPT-104-1 IR connecting box behind AV devices and near a AC outlet in accordance with the requirement of the input voltage for the power supply.

- Choose & connect your desirable IR receiver from the options of IRT-380003 & IRC-3800A to the RPT-104-1 connecting box(or both receivers also can be parallel connection depends on your need)and further place the IR receiver eyes in a desired location   according to the specific installation below

- Plug your necessary amount of IEC-3502F-05 dual emitter into the RPT-104-1 connecting box and adhere the emitter directly onto top of the component's IR sensors.

- The power DC adaptor plugs into a voltage compliant AC outlet and connects to the "POWER" receptacle of the RPT-104-1 connecting box. Make sure the POWER LED indicator is on green light for further operation while the RPT-104-1 is plugged into power DC adaptor.
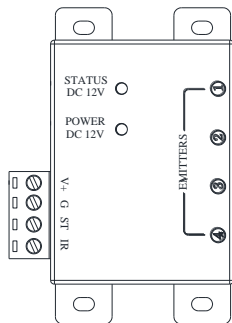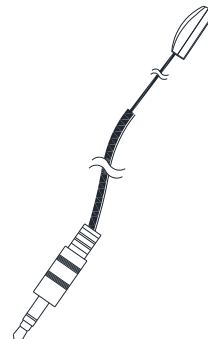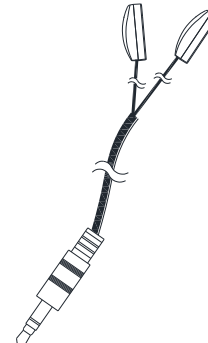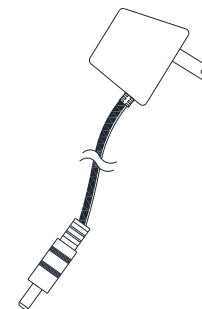
① **RPT-104-1**　② **IRC-3060S**　③ **IEC-3501E-05**　④ **IEC-3502F-05**　⑤ **12V Power**

INSTALLATION DIAGRAM & MOUNTING INSTRUCTION:

INSTALLATION DIAGRAM

Power Amplifier

Speaker OUT

Audio IN

4 IEC

DVD 1   DVD 2   DVD 3

SPEAKERS   SPEAKERS

IR WINDOW

3 IEC

2 IRC

BACK VIEW
FOR THE CODING & DEFINITION

V+ : With SOLID STRIPE
MARKING in GREY

G : No any marking

1 RPT

IR : With DASH
MARKING in GREY

EMITTERS

STATUS
DC 12V   POWER
DC 12V

V+ G ST IR

IR RECEIVER 1

IR : With DASH
MARKING in GREY

TERMINAL BLOCK

IR

5   G

Power supply
DC 12V   V+

G : No any marking

V+ : With SOLID STRIPE
MARKING in GREY

(1) RPT-104-1 IR CONNECTING BOX

Features and Characteristics

- Four emitter output connections
- Status power receptacle with LED indicator
- Power receptacle with LED indicator
- Removable connector for system connection
- For mounting/adhesive near audio equipment

Installation

Power:

Connect a DC12V 500mA power supply to the power jack.
2.1mm + Tip − sleeve. The green LED will be illuminated when powered. This will power all of the IR components connected to the system.

Status Power:

12VDC 200mA 2.1mm + tip −sleeve. Connecting a power supply to this connection will power the status connection. The green LED will be illuminated when powered. This can be from a 12volt trigger output or from a wall type power supply plugged into a switched outlet of a stereo receiver.

System Connection:

Connect the IR system to the detachable connector
printed V+ (12VDC), G(Ground), and IR (Signal).

Emitter Outputs:

Choosing compatible parts such as IEC-3502F-05 (Dual emitter), connect up to 4 emitters as maximum to the emitter jacks marked 1-4.   Place the emitters on the source equipment, maximum up to 8 units.
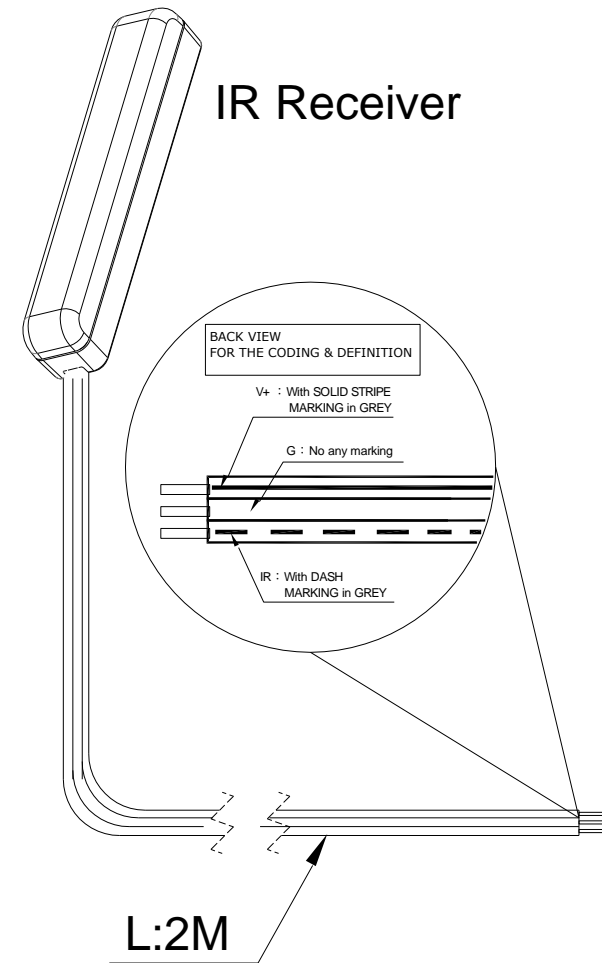
Mounting:

Mount /adhere RPT-104-1 near the source equipment that the emitters are attached to.

(2)IRC-3060S06 IR RECEIVER

The dual-band 30 KHz to 60 KHz IR has been employed a DSP circuit that is designed specifically for being installed desirably in most circumstances with surroundings of Plasma, CFL or EMI inferences.

Specification & Features:

- 1. Carrier Frequency: 30K to 60K Hz.
- 2. 2M of cable length from main module to bare lead
- 3. Control Range: 38 KHz up to 30 feet indoor and 56 KHz up to 25 feet indoor on axis, depending on remote strength and ambient interference and 15 to 20 feet in direct sunlight.
- 4. Reception Angle: + / − 45 degree off axis.
- 5. LED display:
- Activity LED: When IR received the signal form remote controller the Blue LED indicates IR signal activity a completed circuit with a terminator or an Emitter.
- 6. IR Lens: reject visible light interference.
- 7. Room to Room Wire Recommendation: Using 3 - conductor (min.) 24 gauge unshielded solid or stranded copper wire up to 1000 feet (300M) length.
- 8. Power Requirement: DC 12V, (500~1200mA), Using a regulated adaptor is always recommended.
- 9. Dimension: 62(L) x 10(W) x 10(H) mm.

IR Receiver

BACK VIEW
FOR THE CODING & DEFINITION

V+ ： With SOLID STRIPE
MARKING in GREY

G ： No any marking

IR ： With DASH
MARKING in GREY

L:2M

(3) IEC-3501E-05 SINGLE NON-VISIBLE IR EMITTER

SPECIFICATION & FEATURES:

- Oval shape, with elegant & compact size
- Infrared is built in transparent housing
- with 10 feet cable length
- with 3.5mm mono standard plug
- with self-adhesive tape for quick and easy fixing on any hard,
  clean & dry surface

NOTE:

- Make sure mounting surface must be clean and dry for well fixing.
  can not be connecting IR emitter directly to power supply or battery.

(4) IEC-3502F-05 DUAL BLINKING IR EMITTER

- Oval shape, with elegant & compact size
- Infrared is built in transparent housing
- Blinking version with peak wavelength 630nm
- With 10 feet cable length
- With 3.5mm mono standard plug
- With self-adhesive tape for quick and easy fixing on any hard,
  clean & dry surface

NOTES:

- Make sure mounting surface must be clean and dry for well fixing.
  can not be connecting IR emitter directly to power supply or battery.

(5) 12V/500mA Switching power

12VDC 500mA power supply for powering IR components.