

IR Repeater Distribution Kit (IR104K7)

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-104-7

IR CONNECTING BOX _____ 1PCS

(2) IRC-3060S21

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

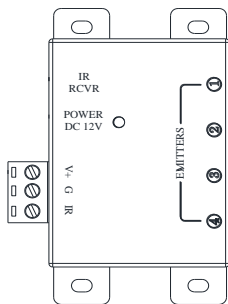
12V/500mA switching power _____ 1PCS

MOUNTING INSTRUCTION

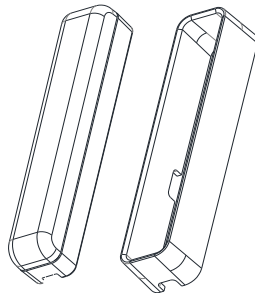
(according to the above installation diagram):

- Mount the RPT-104-7 IR connecting box behind AV devices and near a AC outlet in accordance with the requirement of the input voltage for the power supply.
- Connect your IR receiver IRC-3060S06 or IRC-3060S21 to the RPT-104-7 connecting box and further place the IR receiver eyes in a desired location according to the installation at the site.
- Plug your necessary amount of IEC-3501E-05 and IEC-3502F-05 IR emitter into the RPT-104-7 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-104-7 connecting box. Make sure the POWER LED indicator is on green light for further operation while the RPT-104-7 is plugged into power DC adaptor.

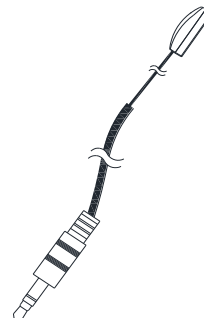
① RPT-104-7



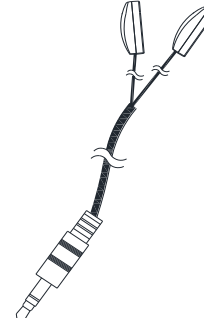
② IRC-3060S



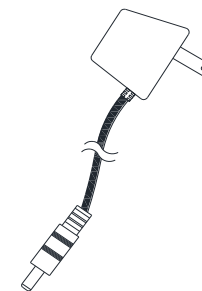
③ IEC-3501E-05



④ IEC-3502F-05

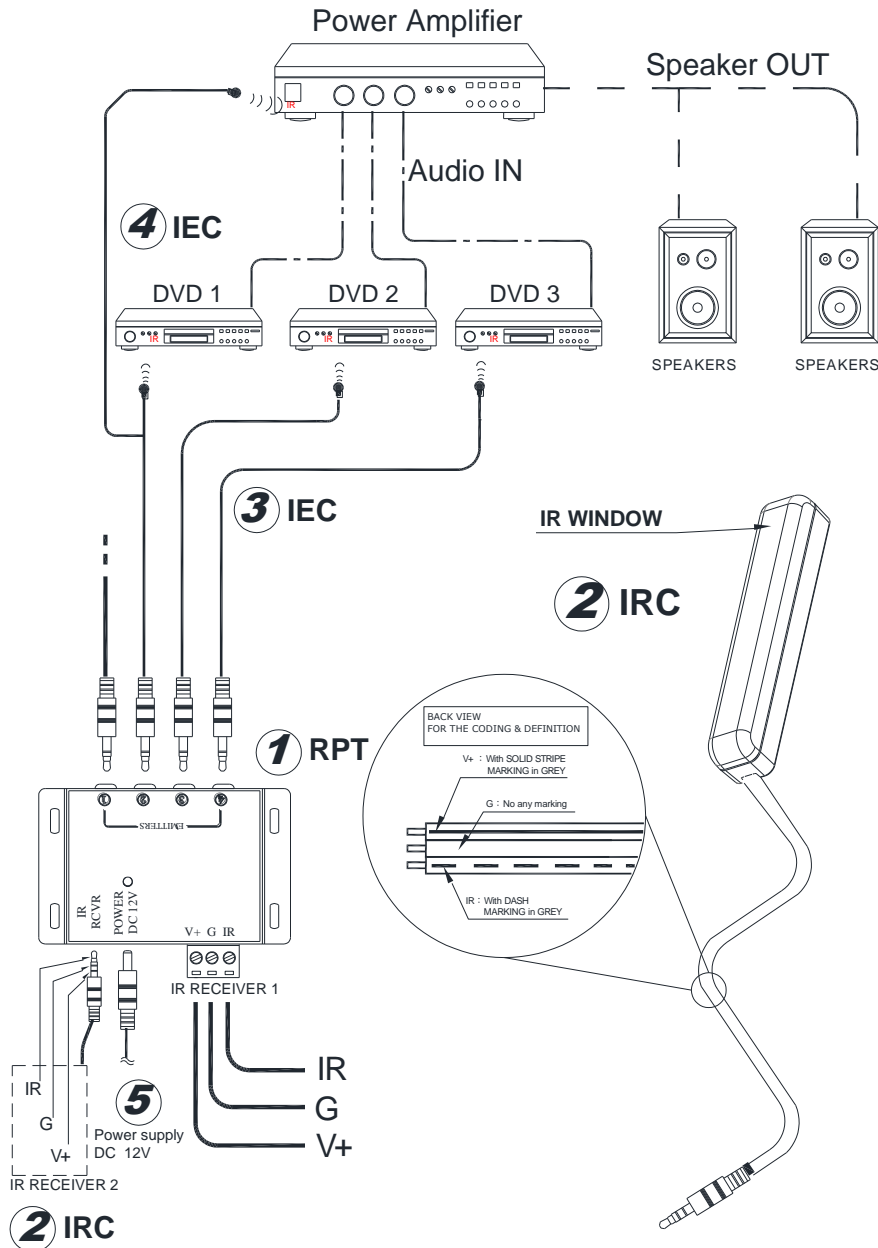


⑤ 12V Power



INSTALLATION DIAGRAM & MOUNTING INSTRUCTION:

INSTALLATION DIAGRAM



(1) RPT-104-7 IR CONNECTING BOX

Features and Characteristics

- Four emitter output connections
- Power receptacle with LED indicator
- Two IR receiver inputs available via 3-p screw connector or 3.5mm jack
- For mounting/adhesive near audio equipment

Installation

Power:

Connect a DC12V 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.

IR receiver connection:

There are two IR inputs available via the 3-p screw connector printed V+ (12VDC)/ G(Ground)/IR (Signal) or the other 3.5mm jack for IR connection.

Emitter Outputs:

Choosing compatible parts such as IEC-3501E-05 or IEC-3502E-05 (single or dual IR emitter), connect up to 4 emitters as max. to the emitter jacks marked 1-4. Place the emitters directly onto the source equipment's IR sensors, up to 8 units.

Mounting:

Mount /adhere RPT-104-7 near the source equipment that the emitters are attached to.

(2)IRC-3060S21 IR RECEIVER

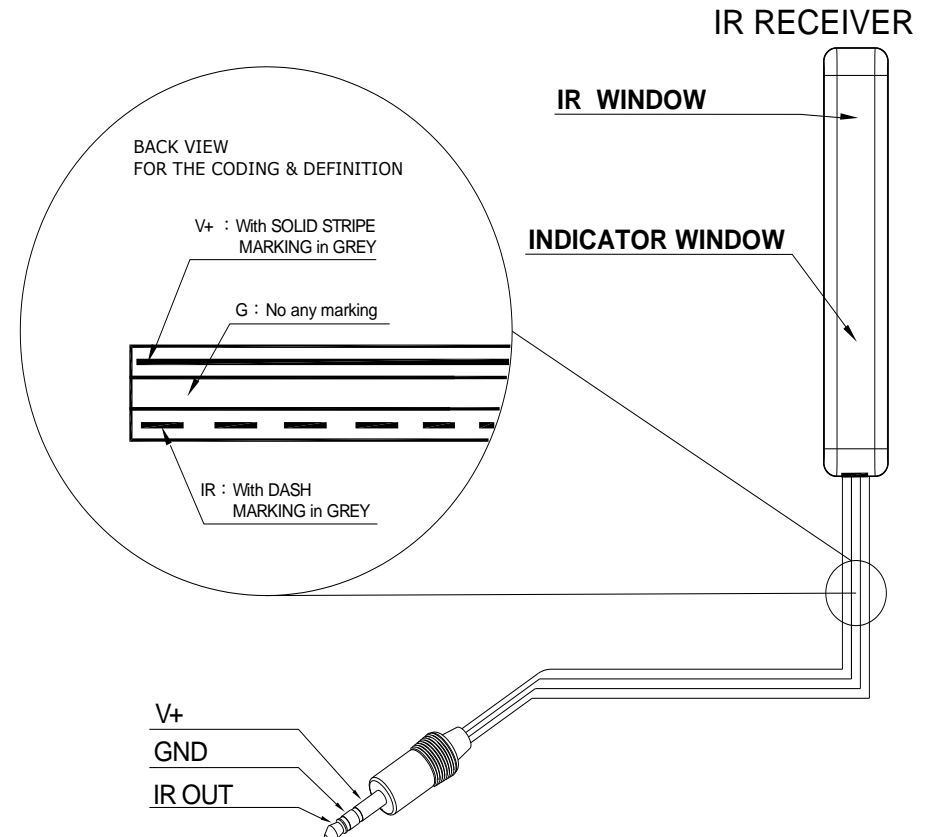
The dual-band 30 KHz to 60 KHz IR has been employed a DSP circuit that is designed specifically for being installed desirably in most circumstances with surroundings of Plasma, CFL or EMI inferences.

Specification & Features:

- 1. Carrier Frequency: 30K to 60K Hz.
- 2. 2 meter long Infrared sensor cable- acts as a remote receiver and control unit.
- 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.



(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.

(8) 12V/500mA Switching power

12VDC 500mA power supply for powering IR components.