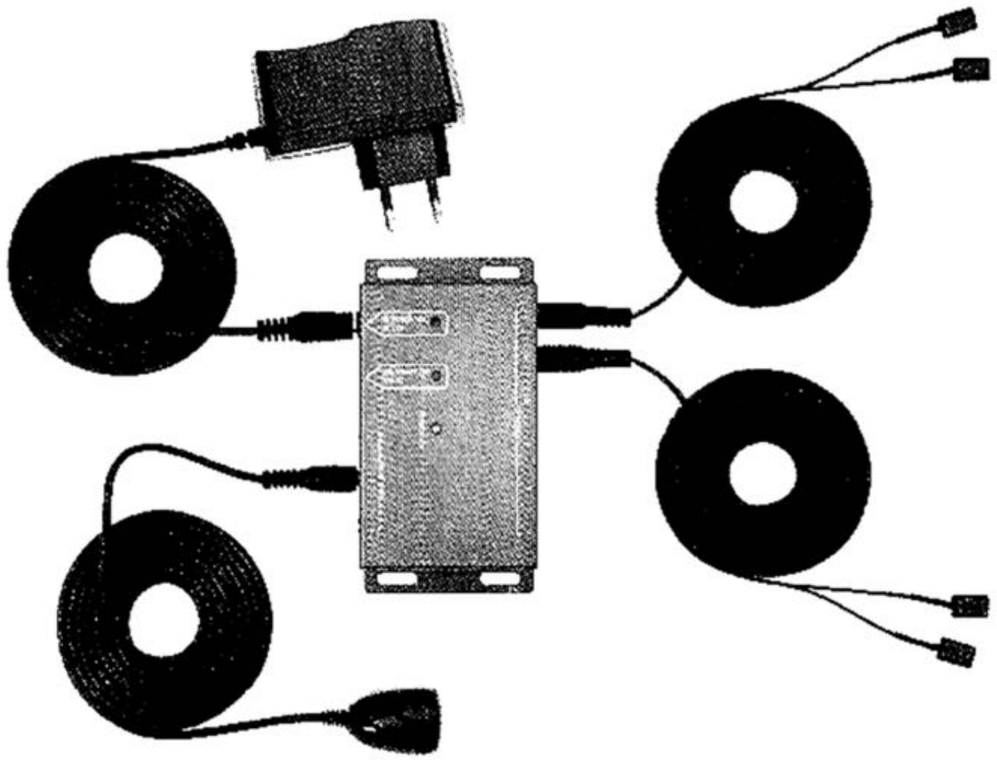
HIDDEN IR REPEATER SYSTEM
USER MANUAL

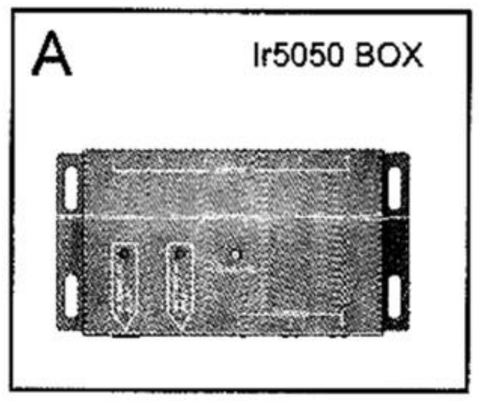
IR5050



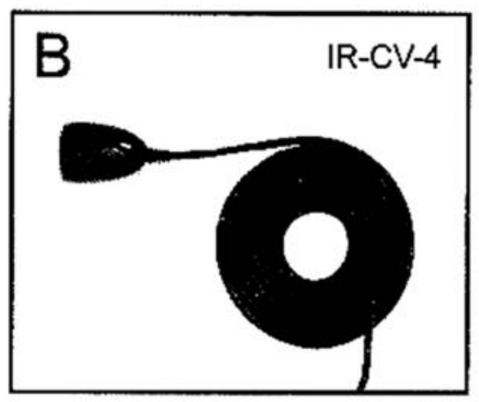
INTRODUCTION

The IR5050 System is a modular infrared extension system and the components required are available individually. As a result, this system can be used universally and is suitable for just about any situation. With it you can extend the IR (infrared) signals of remote controls. It makes sure that all You're A/V components receive the commands sent from your existing IR remote controls. You can keep all your devices behind in closed cabinets but still keep them in use with this device. Simply place the hidden IR repeater box in the cabinet or closet, affix it to the included IR emitters/IR blaster. Then place a receiver somewhere near your television and the system will let you control up to numerous individual home theater components using your existing IR remote control.

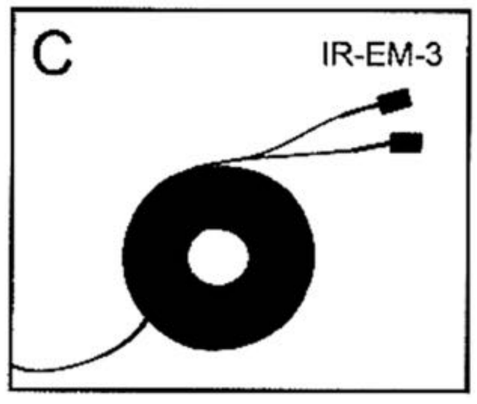
CONTENTS OF THE PACKAGE



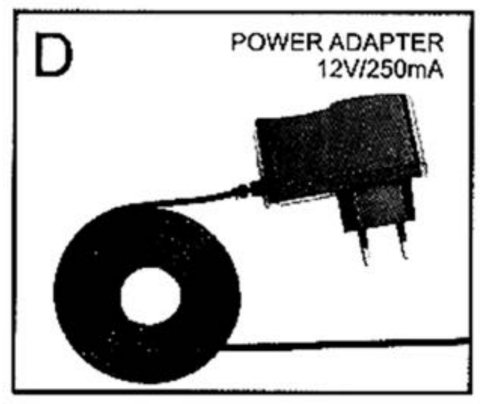
1×IR Repeater Box



1×IR Receiver



2×IR Emitter



1×Plug-in Power Supply

SPECIFICATIONS

IR MODULE (IR5050 BOX):

The IR System Module is the main component that connects IR Receivers, the power adapter and IR Extender Cables to one another. All of the IR Module connections are now explained so that you can get the most out of all of the options available.

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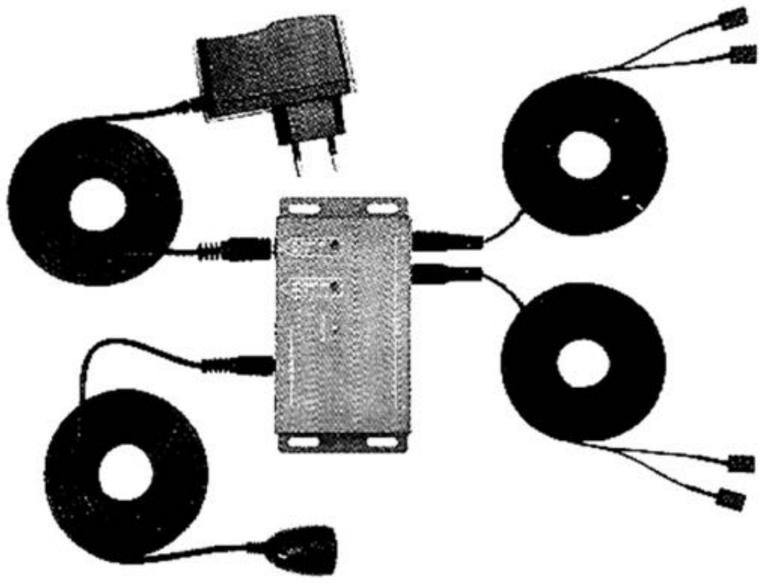


- Power Supply: DC12V/250mA, supplied from connected IR5050 box
- IR Input: 1×3.5mm jack connector, for IR Receiver (3 conductor plug).
- IR Emitter Output: 6×3.5mm jack connector, for IR emitter;
- Status : You can send a Power Status signal to the IR module by connecting a Power adapter to this connection (12VDC/250mA) which is switched by the device to be controlled.
- Screw Terminal: A maximum of 3 parallel IR Receivers can be connected to this input.
- Status Indication: Green LED for system On/Off indication
- IR Signal Indication: Blue indication LED
- Power Indication: Red indication LED
- Dimensions: 55×85×23mm

IR RECEIVER:

Each system needs a minimum of one IR Receiver (maximum of 3). You can use an extra IR Receiver to operate your A/V equipment from another room.

Frequency Range	20-60kHz
Power Indication	±10meters
IR Signal Status Indication	Red LED for system On/Off indication.
	Green LED indicates standby mode.
IR Signal Indication	Blue indication LED
IR Reception Angle	90°(+45°/-45° from center)
IR Receiver Connection	1×1.5mm jack plug (3 conductor plug)
Cable Length	1×2meters
Dimensions	90x55x26mm

OPTIONAL ACCESSORY

BROADBAND IR RECEIVER:

Broadband Receiver 20-90 kHz is suitable for almost every brand and model of A/V equipment.

IR Emitter:

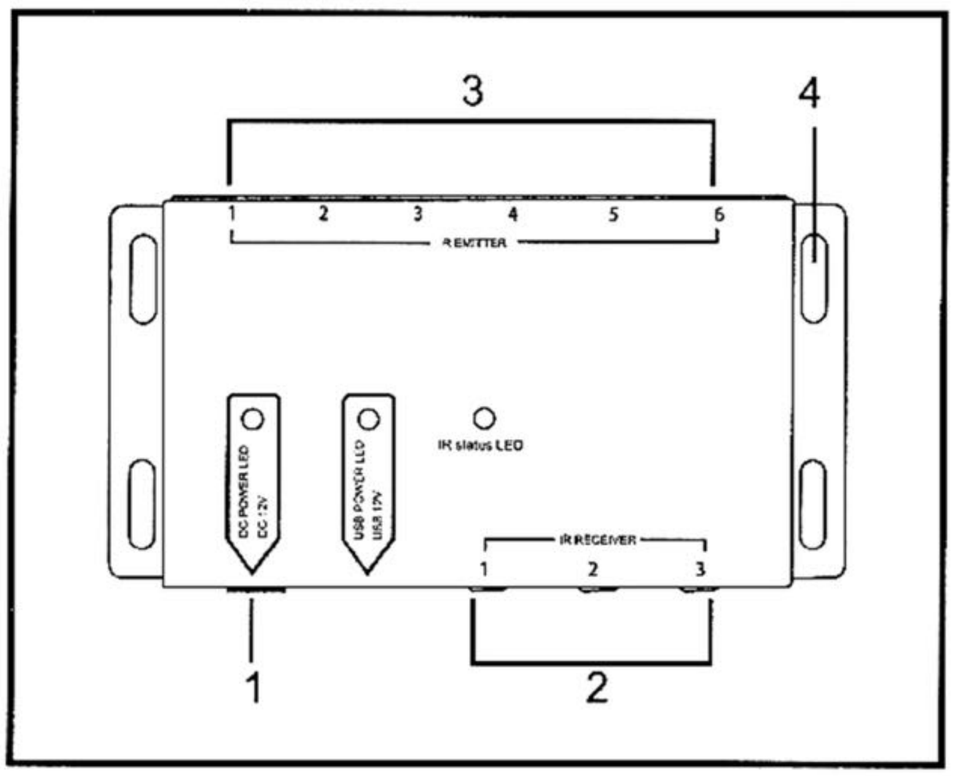
Connection	3.5m jack plug(mono)
IR LEDs	2×IR emitter LEDs
Cable length	2meters
Emitter dimension	22 x16 x 8mm

POWER ADAPTER:

Output: DC12V/250mA

CONNECTION

The IR System Module is the main component that connects IR Receivers, the power adapter and IR Extender Cables to one another. All of the IR Module connections are now explained so that you can get the most out of all of the options available.



1. STATUS +12VDC: You can send a Power Status signal to the IR module by connecting a Power adapter to this connection (not supplied; 12VDC/250mA), which is switched by the device to be controlled. This will be switched by the device to be controlled. This will be continuously illuminated if the IR Receiver also has a status LED.

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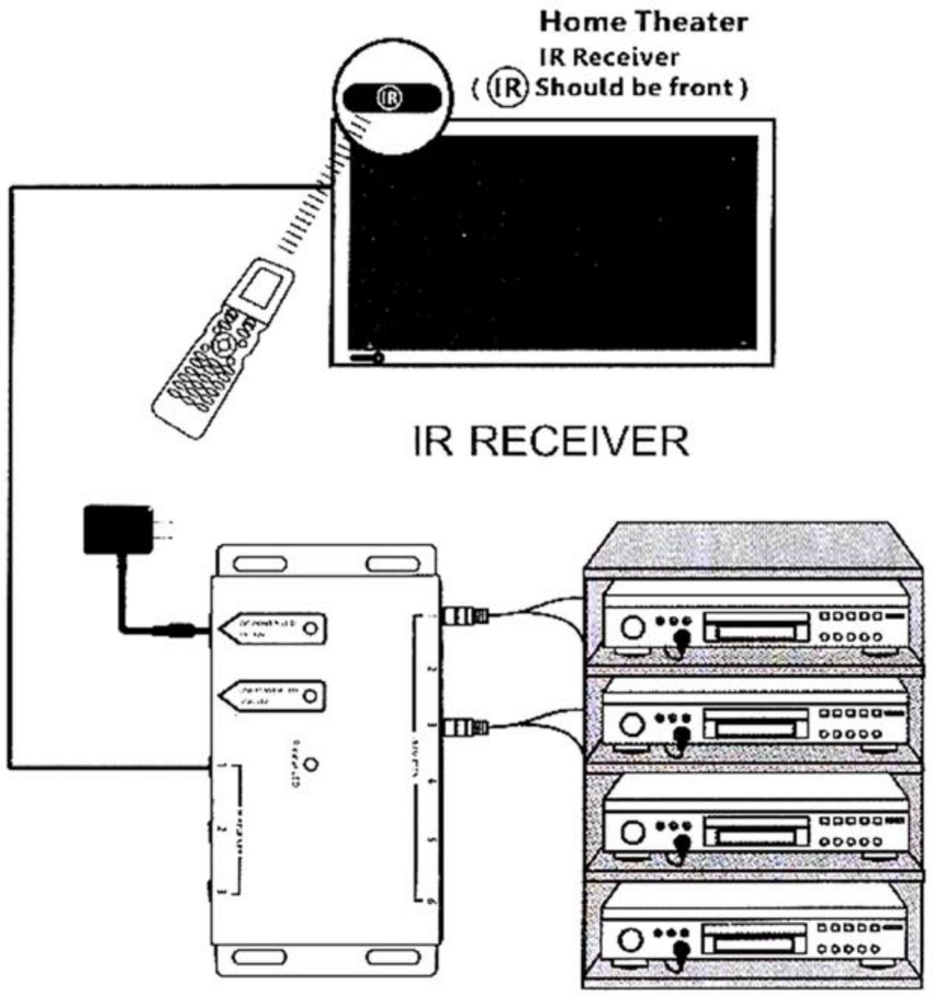
2. IR receiver:

①3Pin 3.5mm jack IR IN ②4Pin 3.5mm jack IR IN

3. IR EMITTER: 3.5mm jack outputs for connecting an IR Extender Cable with 1 or 2 LEDs.

4. ATTACHMENT HOLES (mounting material not supplied) .

A. MAIN ROOM APPLICATION



1. Mount the IR Module in an accessible place behind or alongside You're A/V equipment, in the vicinity of a socket (100-240Volt 50/60Hz). Make sure you take the cable length of the Cable into account and try to ensure that the connections remain as accessible as possible.

2. Now connect the IR Receiver to the IR Module, check the correct position and the colours of the wires when doing so.

- Place the supplied IR receiver in such a way that it is visible for your infrared remote control and if possible not in the vicinity of potential sources of disturbance like direct sun light, TL lighting, energy saving lamps etc. The infrared LED

indicator on the IR receiver lights up or flashes when it receives an infrared signal. Use the LED indicator to place the IR receiver in the place with the least interference (LED indicator is not activated or only faintly lights up).

- Because of the supplied self-adhesive strip installation is possible almost everywhere. Experiment for the correct place before you fix the IR receiver definitively.
- The adhesive strip can cause discoloration on certain surfaces or leave glue remnants by removal.

3. Connect the power adapter to the 'POWER' connector on the IR Module and plug the adapter into a socket (100-240V 50/60Hz).

FREQUENTLY ASKED QUESTIONS

BAD (OR NO) INFRARED RETURN SIGNAL

- Both the built-in and separate IR Receivers have reception sensitivity of around 10 metres with an aperture angle of 90 degrees. Range is also dependent on the remote control used. The IR reception indication LED in the IR Receiver will light up when it receives an IR signal.
- Check whether the power adapter is connected to the IR System Module.
- Ensure that the IR Receiver is are correctly connected and that these are plugged in properly.
- Try to avoid as many sources of disruption as possible, eg. direct sunlight, fluorescent lighting, energy-saving bulbs and similar. These may have a negative impact upon the effectiveness of the system.
- Some IR windows from set-top and satellite boxes are very sensitive and are easily disrupted. These devices then receive too much infrared light and will either work badly or not work at all. Relocate the IR LED so that less infrared light is received via the IR window.

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