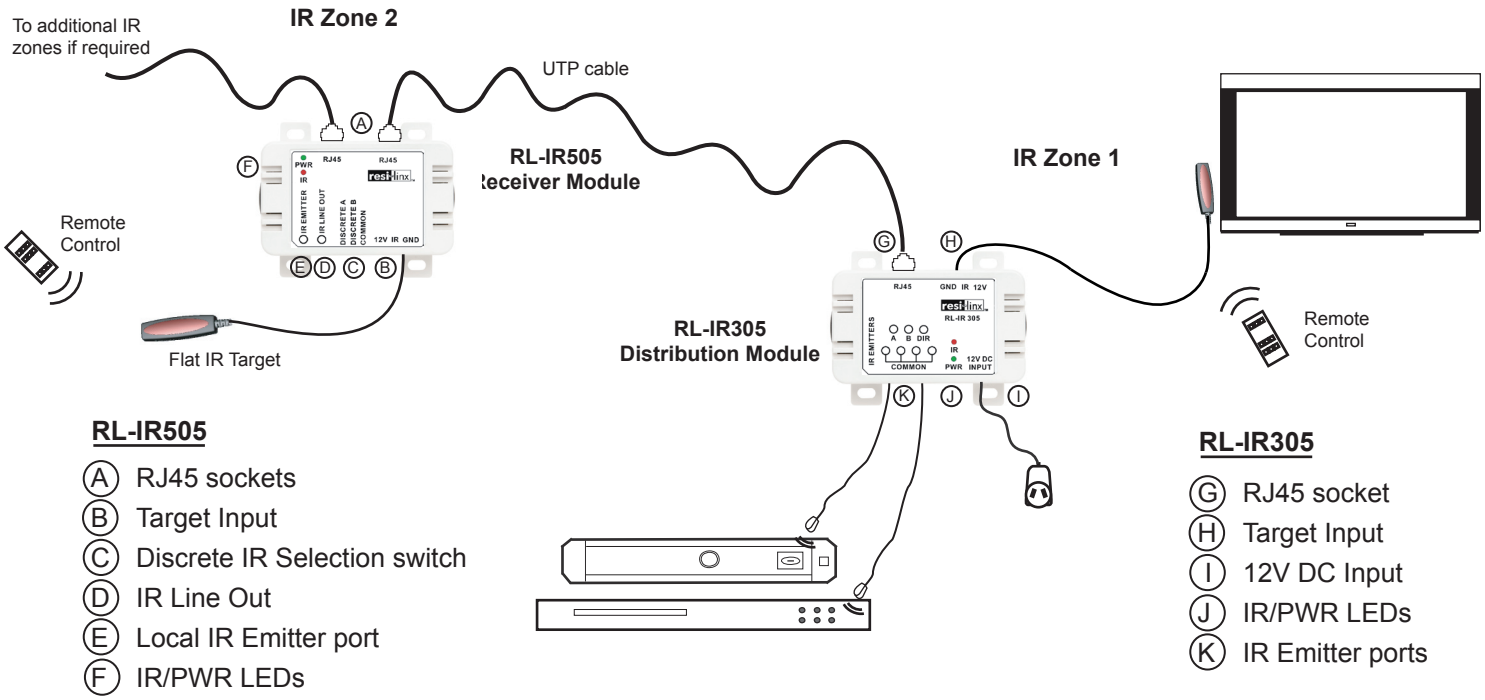
linx-IR Repeater System

RL-IR305 / RL-IR505

resi-linx® Discrete IR System

INSTALLATION MANUAL



Receiver Module Connection (RL-IR505)

1. Connect the Plasma Friendly Flat IR Target (included) into Target Input (B) on Receiver Module (RL-IR505).
2. Connect Receiver Module to Distribution Module (RL-IR305) using UTP cable plugged into RJ45 connectors (A) and (G) at both ends.

Discrete IR Selection

3. Each Receiver Module can select the IR Emitter output port (K) on the Distribution Module that it wishes to control. IR Discrete Selection Switch (C) on Receiver Module can be switched to the 'ON' position for either DISCRETE A / B / COMMON or any combination required (including all ON). These switches correlate to the same IR Emitter Output Ports (K) of the Distribution Module. Factory setting is set to 'COMMON'.

Local IR Emitter Port

4. If required, connect either Single or Double IR Emitter (RL-IR700/800) to the IR Emitter Port (E) on Receiver Module for control of local AV source.

IR Line Out

5. Discrete IR facility specifically for use with res-linx® AV Matrix System. Please refer to AV Matrix System installation instructions for more details.

Additional IR Zones

6. Additional Plasma Friendly Targets can be added into the linx-IR Repeater System by:

(a) running UTP cable in looped configuration from one RJ45 socket (A) on Receiver Module to another zone.

This can be repeated to link up to 7 Targets into the system, depending on cable lengths and environmental conditions.

(b) using a linx-IR Distribution Hub (RL-IR170) to allow for simple distribution to up to 7 Targets in a star wired configuration, depending on cable lengths and environmental conditions.

Distribution Module Connection (RL-IR305)

7. If required, connect IR Target green connector directly into Target Input (H) for local IR control of AV source.

Discrete IR Selection

8. (a) Refer Point 3. Connect IR Emitter (RL-IR700/800) to corresponding IR Emitter Output ports either DISCRETE A / B / COMMON (K) or any combination required (as selected on Receiver Module/s).

   (b) Place the emitter head 10mm to either side of the IR receiver on the AV source (depending on environmental conditions). Single emitters (RL-IR700) or Double Emitters (RL-IR800) can be used depending on installation requirements.

Direct IR output port

9. Common IR output port for direct connection, using 3.5mm to 3.5mm lead (included) to 'Direct IR Input' port on AV device.

10. Connect the 12V DC 500mA power pack (included) to the 12V DC input (I). Check the green PWR LED (J) is illuminated.

Troubleshooting

IR LED indicators on both Receiver Module and Distribution Module illuminate briefly upon receipt of IR commands.

NOTE: Some brands of TV/Monitors can reduce the range of the IR Receiver head, which is outside the scope of the warranty.

(refer to www.resi-linx.com for further information)

linx-IR Repeater System	
Frequency Range	20-200kHz
Power Input RL-IR305	12V DC 500mA - Switch Mode
Cable requirement	UTP
Maximum cable length per system	Up to 60 metres
Maximum Target reception distance	Up to 10 metres
Maximum Targets per system	Up to 7 targets

Vcomm Pty Ltd
ABN: 99 091 281 524

Patented

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