resi-linx®

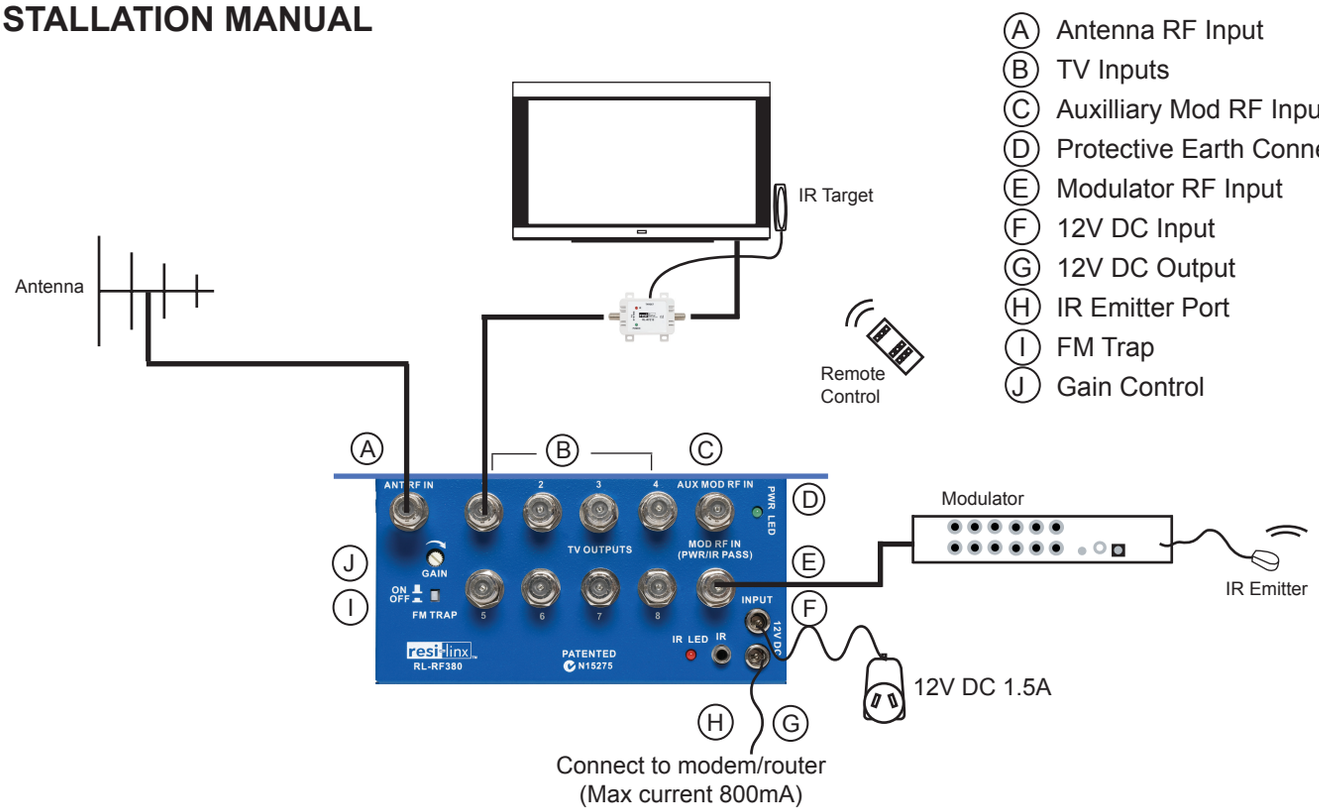
by VCOMM

Radio Frequency Range

RL-RF380

resi-linx® RF Distribution Module

INSTALLATION MANUAL



Ⓐ Antenna RF Input
Ⓑ TV Inputs
Ⓒ Auxilliary Mod RF Input
Ⓓ Protective Earth Connection
Ⓔ Modulator RF Input
Ⓕ 12V DC Input
Ⓖ 12V DC Output
Ⓗ IR Emitter Port
Ⓘ FM Trap
Ⓙ Gain Control

RF Distribution

1.1 DC In Connection

There are several options for powering the RF Distribution Module.

1.11 Directly via connection of the supplied 12V DC 1.5 Amp Plug pack to the 12 VDC Power Input jack Ⓕ on the unit. (Use in the event that a modulator is not included in the system)

1.12 Remotely via a modulator connected to MOD RF IN input Ⓔ on the RF Distribution Module. If powering this way press Remote Power button on the rear of the IR Modulator to 'ON'. In this setup, DO NOT connect a Plug Pack directly to the RF Distribution Module.

1.13 Remotely, via a Power Injector (RL-RF900) connected to the cable terminating on the MOD RF IN input Ⓔ (see Instal Manual for Power Injector). For use in the event that a modulator is not included in the system, but remote powering of the RF Distribution Module is required.

1.2 DC Out Connection

1.21 Auxiliary Devices such as modem/router can be powered using 3.5mm to 3.5mm DC lead connected to Ⓖ.

1.22 NOTE - Output power = 12VDC with max. current 800mA.

1.3 Hardware Connection

1.31 If using Modulator for Pay TV/DVD etc, connect RF output on rear of modulator to MOD RF IN Input Ⓔ on RF Distribution Module. This input must be used to remotely power the RF Distribution Module and allow IR pass throughout the system.

A modulator connected to CCTV devices (if required) can be connected to AUX MOD RF IN Input Ⓒ on RF Distribution Module.

1.32 Connect the off-air signal (antenna) to the ANT RF IN Input Ⓐ on the RF Distribution Module.

1.33 Connect up to 8 TV outputs Ⓑ.

1.4 Gain Control

1.41 Factory settings are at maximum gain.

1.42 In the event of distortion of modulator signals, reduce Gain Control Ⓙ by turning knob anti-clockwise until distortion is gone.

1.43 **NOTE** - Gain control reduces the (ANT) antenna signal Optimal results are attained when ANT signal is within 15db of the modulator signal.

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1.5 Protective Earth Terminal

1.51 Connect the Protective Earth Terminal (D) on the RF Distribution Module to the building Protective Earth System if required.

1.6 IR Connection

1.61 Check the resi-linx® IR Modulator is connected to the Modulator MOD RF IN input (E) on the RF Distribution Module.

1.62 From the wall socket, connect a coaxial fly lead to the System Input on the IR Target.

1.63 From the TV output on the IR Target, connect a coaxial fly lead to the TV.

1.64 Steps 1.62 & 1.63 can be repeated for up to 8 TV outputs around the premises. NOTE: If an IR Target is not used, an in-line DC block should be used.

1.65 Connect IR emitters (RL-IR700/800) to the outputs on the rear of the IR Modulator. Place the emitter head 10mm to either side of the IR receiver of the AV source (depending on environmental conditions).

1.66 If required, connect either Single or Double IR Emitter (RL-IR700/800) to the IR Emitter Port (H) for local control of AV source.

1.7 FM Trap Switch

1.71 In the event of FM interference affecting TV channels switch (I) to 'ON' position.

1.72 **NOTE** - When 'ON' FM radio frequency will be blocked to all outputs.

No of RF output	8
No of RF input (2 x Modulator/1 x ANT)	3
IR pass back	Yes
IR emitter port	Yes
Output Freq	37-850 MHz
RF Gain/Loss - ANT	+2dB
- Modulator	+3dB
RF Output run distance	60 metres
Isolation (Modulator inputs to ANT)	-80dB
Power requirement	12V DC feed in by remote power or DC plug pack
Size (mm)	163(l) x 39(h) x 69(d)

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