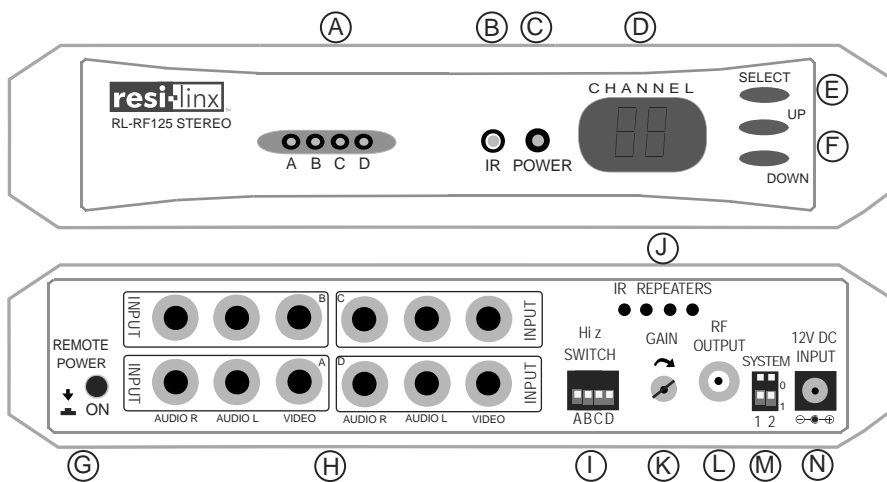


### INSTALLATION MANUAL



- (A) Input selection indicator
- (B) LED IR display
- (C) LED Power display
- (D) LED Channel display
- (E) Input selector
- (F) Channel Up / Down
- (G) Remote power button
- (H) Video and Audio inputs source A - D
- (I) Hi-z switch
- (J) IR Emitter outputs
- (K) Gain adjustment
- (L) RF output
- (M) System selection switch
- (N) 12V DC Power input

All four inputs are transmitted on independant frequencies. This allows viewing of all four signals simultaneously.

#### Hardware Connection

- Connect the RCA cable from the video source (eg. CABLE / PAY TV, DVD, VCR, CAMERA) to the yellow RCA video 'INPUT' jack (H) (Input A) on the rear of the RL-RF145 Modulator.
- Connect the RCA cable from the audio source to the red/white 'INPUT' audio jacks (Input A) (H) on the rear of the RL-RF145 Modulator. Use red and white jacks for dual input, or either one for single input.
- Repeat steps 2-3 for connection of other sources to Channel Inputs B, C and D.
- Connect the RF output (L) from the RL-RF145 to the modulator input on the Video Distribution Unit (see Video Distribution Unit operating instructions). Alternatively, connect the RF output (L) to an existing distribution system or directly to a television set.
- Press the Remote Power switch (G) to 'ON' if you would like the Modulator to power the RL-RF320 Video Hub.
- Connect IR emitters to the outputs (J) on the rear of the RL-RF145 Modulator. Place the other end within 25cm of the IR receiver on the Video source (depending on environmental conditions).
- Connect the supplied 12V DC Switch Mode power pack to the power input (N).

#### TV System Selection

- TV System Selection indicated as below:  
Australia - Switch 1 - 0  
New Zealand - Switch 1 - 1      NOTE: switch 2 is spare

Video Output Frequency	470 MHz to 820 MHz
Output System	Pal B / Pal BG A2 Stereo
Frequency Stability	PLL (+/- 25KHz)
Video Modulation Index	87.5% to 82.5%
P/S Ratio	15 dB
Video Input	1V peak to peak
Audio Input	300mV peak to peak
Output Level	85dBuV
Loop Through Capability	N/A
Input Power	12V DC 1.5A Switch Mode

#### Channel Selection

- Use the SELECT button (E) on the front panel to select Input A, B, C or D. The input selected will be indicated on LED's (A).
- Push the UP or DOWN button (F) to set the desired channel. The UP/DOWN buttons will only affect the selected Input (A-D). After 15 seconds the channel will be automatically stored in the Modulators memory. After 1 minute the LED goes into sleep mode.
- Repeat steps 1 and 2 for other Inputs B, C and D.

#### Adjustments

- Use a screwdriver to gently rotate the RF Gain control knob (K) on the rear of the RL-RF145 Modulator. Rotate clockwise to increase the output and counter clockwise to decrease the output.
- If placing additional load on the input, place relevant Hi-z switch to the Hi-z position.

#### WARRANTY

Vcomm Pty Ltd states that the warrant that the customer can rely on is that provided by the manufacturer. In the event of any warranty claim please contact us and we will forward it to the manufacturer. The manufacturer will then determine the extent of their liability. This expressly negates, to the extent possible by Australian law, any warranty reliance on Vcomm Pty Ltd.

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