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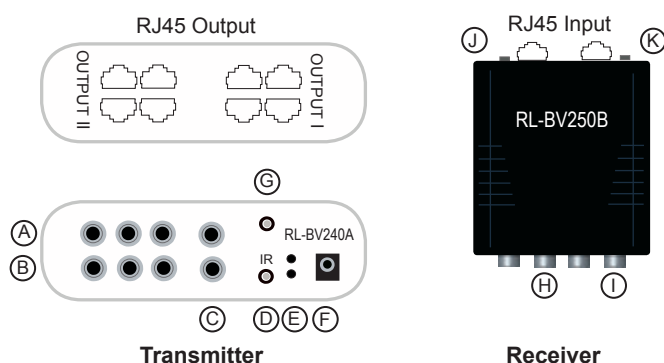**'linx-AV' Quad IR Component Video/Audio Balun Transmitter (1:4)
IR Component Video/Audio Balun Receiver**

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INSTALLATION MANUAL

Transmitter

Receiver

Ⓐ RCA Component Video inputs
Ⓑ Loop Through RCA Comp. Video outputs
Ⓒ RCA Digital Audio input
   and Loop Through output
Ⓓ IR Emitter output
Ⓔ IR / Power LED's
Ⓕ 12V DC Power input
Ⓖ Analogue Audio input
Ⓗ RCA Component Video output
Ⓘ RCA Digital Audio output
Ⓙ IR Target input
Ⓚ Analogue Audio output

Cable Requirements

4 pair twisted cable

Hardware Connection

1. Ensure all power to equipment is switched off prior to installation.

RL-BV240A

2. Connect RCA cables from Component source to terminals Ⓐ of Transmitter.

3. Connect RCA cable from Digital Audio ouput on Component source to Digital Audio input Ⓒ of transmitter

4. Connect audio cable from Analogue Audio output on Component source to Analogue Audio input Ⓖ on transmitter (if required)

5. Connect a second RCA cable from loop through terminals Ⓑ of Transmitter to the Component input of the local AV device (TV, etc).

6. Connect RL-IR700/800* IR emitter to output Ⓓ of Transmitter. Place the other end within 25cm of the IR receiver on the Component source (depending on environmental conditions).

7. Connect 2 x RJ45 sockets of Transmitter (OUTPUT IA and OUTPUT IIA) to corresponding INPUT I and INPUT II Receiver in zone A via 4 pair twisted cable. Repeat for zones B, C and D. (eg. OUTPUT IB and II B to zone B INPUT I and II)

RL-BV250B

8. Connect Component Video RCA lead (red, green, blue) from RCA Video output Ⓗ of Receiver to the corresponding input on the component device (TV, etc).

9. Connect Digital Audio RCA lead (orange) from RCA Digital Audio output Ⓘ of Receiver to the corresponding input on the component device (TV, etc).

10. Connect Analogue Audio lead (green) from Analogue Audio output Ⓚ of Receiver to corresponding input of the component device (TV, etc).

11. Connect RL-BV500* IR target to input Ⓙ of Receiver. Flat target can be easily mounted (either directly using adhesive backing, or by using RL-ACC150* Target Mount) to the desired location, anywhere within the line of sight of remote controls.

12. Repeat steps 8 - 11 for connection of zones B, C and D.

13. Connect supplied 12V DC switch mode power pack to power input Ⓕ on Transmitter.

14. Once installation is complete, switch on power to all equipment. Check green PWR LED Ⓔ on Transmitter is illuminated.

* Sold separately

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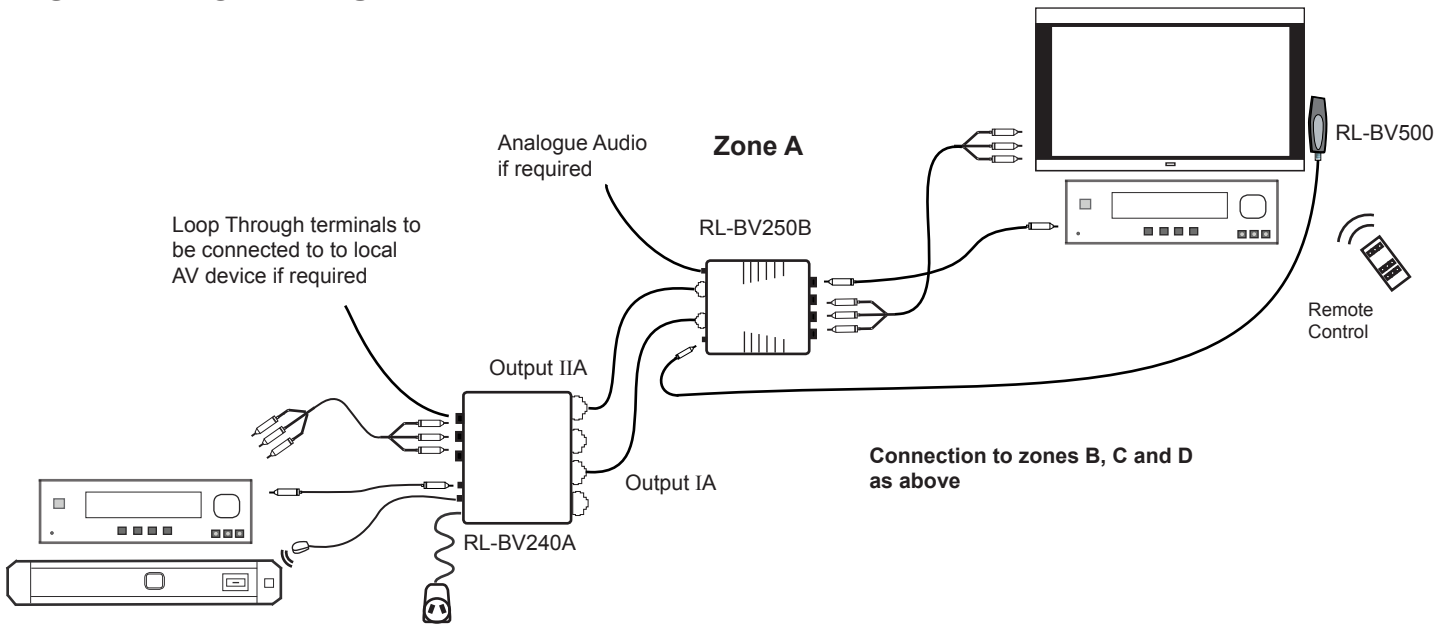
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Pin Configuration

RL-BV240A/250B input 1

+	SOLID	POWER
-	STRIPED	POWER

1	GR/W	VIDEO Y
2	GR	
3	OR/W	VIDEO Pb / Cb
4	BL	VIDEO Pr / Cr
5	BL/W	
6	OR	VIDEO Pb / Cb
7	BR/W	DIGITAL AUDIO
8	BR	

RL-BV240/250 input 2

+	SOLID	POWER
-	STRIPED	POWER

1	GR/W	IR / EARTH
2	GR	IR / +12V
3	OR/W	AUDIO R
4	BL	AUDIO L
5	BL/W	
6	OR	AUDIO R
7	BR/W	
8	BR	IR / OP

Troubleshooting

IR LED indicator on RL-BV240A Transmitter illuminates 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.

RL-BV240A/250B	
Power - BV240A	12V DC 500mA Switch Mode
Maximum video input - BV240A	1.2V P-P
Return loss	>15dB to 1,000 MHz
Common mode rejection	>40dB @ 1,000 MHz
Maximum distance cable	Up to 100m
Video Signal	Component
Audio Signal	Digital / Analogue
Configuration	1:4
IR capability	Yes
Loop Through capability	Yes
Connections In/Out - BV240A	2 sets - 3 x RCA
	8 x RJ45
	1 x IR Emitter
	1 x Analogue Audio
- BV250B	3 x RCA Video
	1 x RCA Audio
	2 x RJ45
	1 x IR Target
	1 x Analogue Audio

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