

INSTALLATION MANUAL

Cable Termination Guide

Power Cable:

1. Terminate power cable into the screw-down terminals (B)
NOTE: Remember to connect the same conductor of the cable at both ends ie: solid or stripe. Failure to do so may damage the product and void manufacturer's warranty

Twisted Pair Cable (Cat5e):

2. Terminate Twisted Pair cable to (C) from Audio Distribution Module (ADM) as per diagram (i)

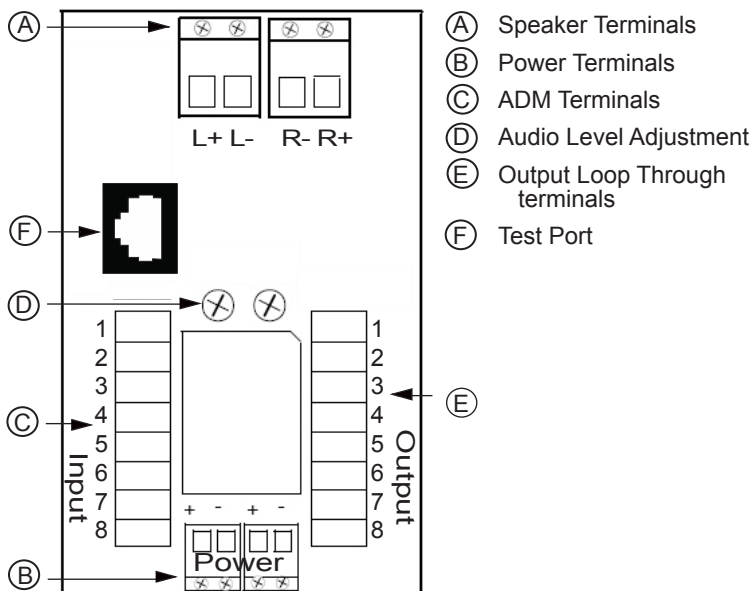
Speaker Cable:

3. Terminate speaker cable to (A)
For optimum performance ensure that speaker polarity is consistent ie:
 - Left Positive output (L+) on AVC is connected to the Positive (+) input on Left speaker
 - Left Negative output (L-) on AVC is connected to the Negative (-) input on the Left speaker
 - The same wiring must apply to the Right speaker connections

Cable Configuration (i)

| | | |
|----|---------|---------|
| + | SOLID | POWER |
| - | STRIPED | POWER |
| 1 | | BL/W |
| 2 | | BL |
| 3 | | OR/W |
| 4 | | OR |
| 5 | | GR/W |
| 6 | | GR |
| 7 | | BR/W |
| 8 | | BR |
| R+ | SOLID | SPEAKER |
| R- | STRIPED | SPEAKER |
| L+ | SOLID | SPEAKER |
| L- | STRIPED | SPEAKER |

Rear AVC (ii)



AVC Setup

Audio Level Adjustment:

Adjust L + R trim pots on rear of AVC (D) using small Phillips head screwdriver, set volume control to max setting, adjust trim pot either up or down until the desired levels are obtained. This can be adjusted to increase the maximum level or to reduce the minimum level but not both at the same time

WARRANTY

Australian Audio Imports 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 Australian Audio Imports Pty Ltd.

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Safety Precautions

- Do not** apply power to the Audio Distribution Module until all components have been installed and all wiring has been properly terminated. Failure to do so may result in damage to the product and void manufacturer's warranty
- Do not** attempt to terminate, change or un-install any wiring without first unplugging power adaptor from the Audio Distribution Module
- Do not** expose any component to moisture. Doing so can create electrical hazards or render the component unusable. Exposure to moisture will also void the warranty on the system
- Ensure power is run in separate cable** (not together with audio signals). This will ensure optimal function of the system, enabling AVC's to function at their optimal efficiency, whilst protecting the system from damage

System Troubleshooting

- AUDIO DISTORTION AT HIGH VOLUME -**
Adjust L + R trim pots (D) on rear of AVC using small Phillips head screwdriver, set volume control to max setting, adjust trim pot either up or down until there is no audio distortion
- NO LCD BACKLIGHT ON VOLUME CONTROL DISPLAY -**
Check on/off button on AVC &/or remote; check power supply is connected to source of power output; check power point is turned on; check cable terminations are connected to correct terminals on both AVC and ADM
- NO AUDIO -**
Check Source devices are functioning correctly and connected correctly to ADM; check cable terminations are connected to correct terminals on both AVC and ADM; check speaker connections on AVC and on speakers
- KEYPAD TEST -**
Run an RJ45 lead from Port (D) on RL-MRA310 to keypad RJ45 test socket (F) on RL-MRA210 to check for correct operation

| RL-MRA210 (AVC) | |
|--------------------|-----------------------------------|
| Frequency Response | 20 Hz - 20 KHz |
| Power Input | 24V DC |
| Power Output | 12W at 8 Ohm load |
| Connections | |
| - Audio Input | 8 x IDC punchdown |
| - Audio Output | 8 x IDC punchdown |
| - Speaker 1 - 2 | 2 x screw clamp 12 - 24 AWG gauge |
| - Power 1 - 2 | 2 x screw clamp 16 - 26 AWG gauge |
| Dimensions (mm) | 115 (h) x 74 (w) x 55 (d) |
| Remote Control | |
| Power | 2 x AAA alkaline batteries |
| Frequency | 38 KHz - 45KHz |
| Dimensions (mm) | 84 (h) x 48 (w) x 19.5(d) |

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