



## AIDA134

AIDA134 amplifier boosts television and radio signals in the UHF and VHF frequency bands. Intended for Digital Terrestrial and Analogue television DAB+ and FM radio, 87 to 694 MHz is amplified by 34dB UHF and 24dB VHF separately with up to -20dB attenuation provided for each. Filtering limits ingress of Lte 700 4G & 5G cell phone signals above 694MHz and general communications below 87MHz. A fully shielded case further minimizes the likelihood of interference. The -30dB Test Point can also be used as an additional low signal power output. An electronic power supply continually adjusts for mains power fluctuations.

### SPECIFICATIONS:

Frequency Range: VHF & UHF 87 to 694MHz  
Gain: 34dB UHF, 24dB VHF  
Return Loss: 10dB typical  
Lte 4G 5G & Communications Rejection: >40dB  
Noise figure: <3.5dB  
Maximum Output Level: 103dB $\mu$ v  
Impedance: 75 Ohms  
Dimens: 70mmW x 82 H +conn. x 33D  
Temperature Range: -20 to +60°C  
Power Supply: 90-250V @ 50Hz





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## Safety Precautions:

- **PREVENT OVERHEATING** don't place in ceiling space or under thermal insulation materials, where high temperatures may shorten amplifier life. Place well away from heating vents and fires, curtains and carpet that may block natural ventilation.
- **WATER INGRESS** this amplifier is for indoor use only. Do not place where it could be exposed to dripping or splashing liquids, or where condensation may run down wires and into the amplifier. Do not leave vases cups or other liquid containers on or near the amplifier.
- **MAINS POWER** the amplifier is fitted with an approved Australian standard mains plug. Double insulated, AIDA134 does not require an earth connection. Should the mains cable or plug become damaged, locate a qualified repairer or replace the amplifier.

## Instructions

- **LOCATION:** Place at a convenient junction between antenna cables and power. Suitable locations include a ventilated service cupboard, behind a TV or a dry cool location. Minimize antenna cable lengths, particularly where signals are weak. No coax bend should be more than 3 x the cables diameter. The lowest point of the cable should be below the amplifier. Provide at least 25mm of space from other equipment.
- **FIXING:** Fix to a wall or other suitable firm surface using 6 to 8 gauge screws and plugs (excluded). Don't support by wiring, leave resting on carpet or other thermal insulation.
- **CONNECTIONS:** Input from an antenna and Output to splitters etc. are made with industry standard F type (IEC 60169-24) connectors. For reliable connections fit connectors to coax with stripping and crimping tools. Leaving connectors uncrimped or closing with electrical pliers is likely to create unstable RF connections that may cause intermittent amplifier function.

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