

## Shielded Magnetic Long Range Amplified AM Antenna

Code: A-LOOP-HIFI-II



### Description:

This is our highest performance Shielded Magnetic Long Range Amplified Loop Antenna for AM Radio use. It is designed for a wired or direct connection to AM Radio Receivers that have available external Antenna and Ground connections, including many Professional Receivers, Hi-Fi Tuners, stand-alone AM Radios, Vintage & valve receivers. With this product we hope to increase your choice of stations and the quality of your listening experience!

It is ideal for low or weak signal use in regional and poor coverage areas. This Antenna is used where good reception is difficult to obtain using just a radio alone and is intended for fixed installations. Many are used on Farms, in Sporting Clubs, Hotels & Racing venues to help with the very poor reception often found there. This AM Loop often gives successful results when used in difficult AM reception environments like City buildings where concrete and steel are in abundance.

**Notes: AM Radio reception is subject to the effects of signal propagation, local interference and the time of day. Sources of local and Man made interference such as Battery Inverter/Chargers, Electronic Lighting and other Electrical Appliances can cause problems. Co-channel interference can often be minimized using the directional qualities of our Loop Antennas.**

### Specifications:

- Frequency coverage – AM operation covering 530 to 1720 KHz
- Dimensions - 25cm Diameter Antenna
- Our products are proudly designed and manufactured in Australia.
- Features a High Performance 2-stage Amplifier with diode protection, BNC output connector.
- Versatile power requirements and low power consumption. (<20mA@12v DC), can be run on any user supplied DC power source of 12 to 18 Volts DC negative ground.

*For Countries outside Australia you will have to locally source your own Plug pack / Power Adapter.*

- For Regional Listeners we recommend battery use to avoid noisy mains power, so we provide a DC power lead with alligator clips to connect to two 6volt "Dolphin" torch batteries connected in Series.
- For Caravan & Boat 12volt use; see our optional Fused Cigarette Lighter power cable.

Supplied accessories:-

- User guide and Australian AM Station List
- 1.5m BNC to open ends cable for your radios Antenna & Ground terminals.

Available Accessories:-

- Optional Loop Coupler with 2 metre BNC Cable for use with Radios with Ferrite Rods
- Optional BNC connector to Car Radio antenna connector
- Optional BNC connector to RCA / 3.5mm phono jack
- Optional Fused Cigarette Lighter power Cable

# PK's Loop Antennas ABN 76 271 051 082

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### Operation:

1. Connect the BNC Cable to Loop Antenna and the end of the BNC cable to the External Antenna terminals on your radio.
2. Apply power to both the Radio & Loop Antenna
3. Tune in the desired station on your radio
4. Tune the dial on Loop Antenna for strongest signal.

Note that older models (like photo above) have a band switch to choose the tuning range 530-720 or 720-1720  
On newer models the tuning is continuous 530 to 1720, no switch is fitted.

5. Experiment with the position and the orientation of the Loop Antenna to obtain the clearest reception.

On some Radios there is a GND terminal available to connect to an Earth stake, this may also help eliminate noise and promote better reception. For best results in this configuration we recommended that you use an Earth Stake that is Copper plated and 1.5 Metres long, driven into conductive and permanently moist ground.

NOTE: Occasionally we have found that in some installations bad electrical interference occurs when the Loop is powered from 240v Mains power. This is due to noisy mains power and other radiating appliances in the vicinity of the antenna.

To isolate the cause of this interference or noise, we suggest that you operate the Loop Antenna from two 6 volt Torch Batteries connected in series to give 12 Volts using the supplied battery lead instead.

Please tell us about your intended use, we may have some suggestions that will help you.

If you have any difficulty in obtaining good reception with our antennas; please let us know, we will do our best to help you.. In the unlikely event that our Loop Antenna doesn't resolve your AM reception problem, or that you are not completely happy; all of our products come with a 14 day money back guarantee. Please post the Antenna back to us complete with all supplied accessories, be sure to include a Self Addressed & Stamped Envelope so we can post you a refund cheque.

Please enjoy using your new PK's Loop Antenna !

Regards  
Paul Karlstrand

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