

## Heavy Duty Remote Tuned Shielded Magnetic SW Loop Antenna

Code: C-LOOP-HDREMSW618



### Description:

This is our HD Series Shielded Magnetic Amplified Loop Antenna for SW Reception featuring a remote controlled tuning system. Mount the Loop outdoors and remotely control the tuning with ease indoors beside your radio. Our unique Electrostatic Shielding ensures that you hear no out of band noise and interference. The High-Q tuning response gives a nice signal peak right on station, pushing off-frequency signals right down in level, reducing unwanted splatter from nearby stations and lowering the residual noise. Ideal for DRM reception

This Antenna is designed for direct connection to Radio Receivers that have available external Antenna and Ground connections, including Amateur and Professional Receivers and can be supplied with a variety of cable & connector types to suit your radio systems needs.

**Note:** Shortwave reception is subject to the effects of signal propagation, choice of frequency for the time of day and is greatly influenced by local interference from Electronic and Electrical Appliances.

### Specifications:

- Frequency coverage – 6 to 18MHz
- High stability, voltage and temperature compensated tuning system
- Dimensions – approx 30cm / 12" diameter antenna made from 32mm IP56 Rated UV Stabilized PVC Tube
- Marine Grade Aluminium L-Mount bracket pre-drilled for 2 x U-Bolts ( not supplied )
- High performance frequency compensated amplifier with diode protection, with BNC connectors
- Versatile power requirements and low power consumption. (<20mA@13.8v DC)
- Our products are proudly designed and manufactured in Australia.

### Supplied accessories:-

- 1x Loop Antenna and instructions
- 1x Standard Control Box, with Manual Tuning control
- 1x L-Mount bracket including 4x Screws to mount to loop base
- 1x Australian 240 volts AC to 12 volts DC Plug Pack (Australian & NZ Customers Only)
- 1x 2m BNC to BNC cable, with 3.5mm adapter.

### Available Options:-

- 2x 10m BNC to BNC cables to connect Loop to Control Box.
- 1x 2m DC Power Lead with 2.5mm EIAJ Connector to open ends
- 1x Fused Cigarette Lighter power lead
- Internal twin 9volt Battery holder (batteries not included)
- Custom made control systems
- Tuning Presets for 2-4 stations
- CoaxSeal™ for waterproofing outdoor connectors once they are plugged in.
- Light Duty Antenna Rotator and Control Box

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### Operation:

1. Carefully connect the long BNC Cables marked "Loop/Tune" and "Loop/Pwr" to the matching connectors on the Loop Antenna (allow sufficient length and a coil of extra cable for Rotator action).
2. Connect the Cables to the Control Box. Note: If these cables are inadvertently swapped over, no damage should occur; the antenna will simply not function, however it's best to not to swap them.
- 3.. **Thoroughly waterproof the outdoor connectors with CoaxSeal / self amalgamating Tape, failure to do this will result in water ingress and corrosion, which will shorten the life of your Loop Antenna.**
4. Connect your Receiver to the BNC connector marked "RADIO" on the control box.  
**Warning: NEVER connect your receiver to the Loop/Power connector on the control box as there is DC voltage present and you will cause damage.**
5. Insert the Power Lead connector into the DC Jack on the rear of the Control box and apply power.
6. Tune your radio to the desired stations frequency that is within the tuning range of the antenna.
7. Slowly turn the Manual Tune control to the point of strongest reception.
8. Orientate the Loop Antenna to obtain the clearest reception, noting that the two nulls in the antenna pattern can be used to eliminate interference.



Customized control boxes

### Notes:

- 1/ Customised control boxes vary from the above pictures as this is dependant on ordered options.
- 2/ Loops maybe UV Stabilized Grey or Black, depending on available materials at the time of construction, there is no difference in performance or weather proof characteristics.
- 3/ To obtain the best results always use good quality coaxial cables, as some cables have poor screening and unwanted signals may be picked up by the cable. – Recommend RG-6Quad Shield
- 4/ DC operation will give the best signal to noise performance of your receiver and the loop system.

Please enjoy listening to the bands using your new Remote Tuned Loop SW Antenna !

Regards  
Paul Karlstrand

PK's Loop Antennas  
6 Blossom Walk  
Croydon Victoria Australia 3136  
Mobile +61 412 302 939

Email [pkloops@bigpond.net.au](mailto:pkloops@bigpond.net.au) Website [www.amradioantennas.com](http://www.amradioantennas.com)