

# PK's Loop Antennas ABN 76 271 051 082

*Clear & Long Range AM Radio Reception Everywhere*

## HD Series 2200m Band Ham Loop for 135.7 – 137.8 KHz

CODE: C-LOOP-HDLW137 (Suffix options -2P Integrated Loop Combiner)



**Enhances reception of the 137KHz Ham Band and increases the quality of your listening experience!**

### **Description:**

This is our HD Series 2200m Band Ham Loop Antenna. It is an outdoor shielded magnetic tuned loop specifically for the new 137 KHz Amateur Band, it has maximum sensitivity on this band and is designed to reduce signal interference from other LW / MW broadcast stations.

### **Specifications:**

- Frequency response – 135.7 to 137.8 KHz +/- 3dB
- Antenna impedance is a nominal 50 Ohms, use RG-58 or RG-213 coax cable with a weatherproof compression type BNC connector.
- Dimensions - 40cm/16" Diameter UV Stabilised PVC Antenna with reinforced 32mm Diameter tube.
- Weatherproofed and is supplied with a Marine Grade aluminium L-mount bracket.
- Our products are proudly designed and manufactured in Australia.

**Installation:** Reception is subject to the effects of signal propagation, interference and the time of day, careful placement of this antenna is necessary to obtain the best reception. It should be situated well away from potential sources of interference such as Electronic and Electrical Equipment.

**Pole mount the Loop at least 1 Metre above any metal roof structure. If there are other Loops in the vicinity, then space them at-least 1 metre apart. (Multiple Loops can share the same pole, simply space them vertically 1 metre or more apart)**

The most convenient place for mounting is on an antenna rotator, this enables the direction of the antenna to be changed remotely in the shack, either to peak up signals using the pattern lobe, or to reject interference using the Antenna Nulls. Maximum signal is received when the Loop Antenna is rotated to face edge-on to the direction of the transmitter. Minimum Signal or "Antenna Null" occurs with the Loop face-on (broadside), so if there are local or co-channel interference issues, then point or direct the broadside of the antenna to minimise them.

**Note:** Once the antenna is installed and cable connected, seal the outside of the BNC Plug and socket with Self-Amalgamating tape or Silicon Weather Sealant. Use cable ties to secure the cable to the pole and its mount.

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