

PK's Loop Antennas

ABN 76 271 051 082

HD Series Matched Loop Antenna for AM Receivers

CODE: C-LOOP-HDMATCH



Description

This is a high performance Commercial Grade Outdoor AM Antenna designed to replace the Mini Loops supplied with Hi-Fi Systems** It is Electronically Matched to your radios circuitry for Superior Reception Quality, Noise Reduction and Reception Range. ** Suits, SONY, BOSE, TIVOLI (KLOSS), DENON, YAMAHA and most others that come with a Mini-Loop.

Installation and Configuration

Cable length Correct operation this Loop Antenna requires that the cable type and length used must be known. Short runs and best sensitivity use RG-58/CU 50 Ohm Solid Dielectric Coax Cable. Longer runs use RG-6 75 Ohm Coax (the antenna will have slightly less sensitivity) For best results use a cable longer than 5 metres, we recommend 10m in most applications.

Optional Cable Kit - a pre-assembled 15m long RG-6 BNC to F cable, with wall plate and 2m BNC to open ends HiFi cable. Order Code:- C-CABLE-BNC-F15 *Note:- If this cable is too long, please don't shorten it, simply coil up the excess!*

Connection Connect the Coax Braid to the Receivers Loop GND terminal and Coax Inner to AM LOOP / ANT Terminal on your receiver. NOTE: If the wires are swapped over significant levels of noise and interference will occur. *An optional AM RX Balun is available for tuners with balanced loop inputs. Code C-RX-BALUN-GND We also manufacture AM RX Splitters and amplified distribution systems to suit most applications..*

Mounting This is an outdoor Antenna; its ideal height is 1-2metres when used above steel deck or concrete roofs. It should be placed vertically and pole mounted using 2 x U-Bolts, so that it can be rotated for strongest reception. The Loops' direction to the station is edge-on. (Broadside is the receive NULL) **Note:- If there is an interfering station, null it out with the broadside of the Loop.**

Settings **This Antenna is pre-configured, no adjustment should be necessary!** Optimum or "Matched Loop" settings are determined by physical cable length used during installation. Configuration for the cable run length and best setting for the receiver is by adjustment of the internal DIP switches under the lid on the Antenna base. Only one SWITCH from 1, 2,3,4,5 should be ON at a time, the rest should be OFF. **Factory default is SWITCH 2 = ON (for 10-15m of RG-58 or 15-30m of RG-6Quad)** Once correct operation is confirmed, replace the Lid, ensuring a weatherproof seal.

| Cable Type | RG-58A/U | 10 - 15m | 5 - 10m | 5m | 3m |
|------------|----------|------------|------------------|------------|-----------------|
| | RG-6Quad | 15 - 30m | 10 - 20m | 5m | N/A |
| | Switch 1 | | | | |
| Default > | Switch 2 | Whole Band | Favours >1200KHz | | |
| | Switch 3 | | Favours <1200KHz | Whole Band | Whole Band |
| | Switch 4 | | | | Favours Low End |
| | Switch 5 | | | | |
| | Switch 6 | Attenuate | Attenuate | Attenuate | Attenuate |

Troubleshooting At locations where reception suffers from cross-modulation or image problems because of nearby and strong transmitters, if possible use a cable length of 10 metres and select the best switch setting, referring to the table below. i.e. SWITCH 2 ON or SWITCH 3 ON. Coiling up excess cable has no effect on the performance of the antenna. Switch 6 the "Attenuation" setting may also assist in these circumstances.