

# PK's Loop Antennas ABN 76 271 051 082

## Matched Loop Antenna for AM HiFi Receivers and Intercoms

CODE: A-LOOP-MATCH-3 -5 or -10



### Description

This is a high performance Indoor 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, (HENRY KLOSS), DENON, YAMAHA and most others that come with a Mini-Loop. Bookshelf & some Mini Systems may require the optional Balun, C-RX-BALUN.

This Antenna also suits the following Intercom Systems: - Deltacom and Valet

### Installation and Configuration

**Cable length** For correct operation, this Loop Antenna must use RG-58/CU 50 Ohm Solid Dielectric Coax Cable. Best reception is only possible when the cable is greater than 3 metres long. We recommend using a 5m or 10m in most applications for best matching and reception performance.

**NOTE:** If your antenna was ordered with a pre-made cable then please don't shorten it, just coil up any excess!

**Connection** Connect the Coax Braid to GND terminal and Coax Inner to AM LOOP / ANT Terminal on your receiver. NOTE: If the wires are swapped over noise and interference will occur.

**Positioning** This is an Indoor use only Antenna. It should be placed vertically, away from Electrical Wiring, Steel, Metal work and pipes. NOTE: If you need an outdoor Loop, use order code :- C-LOOP-HDMATCH which is supplied with an L-Bracket and is weatherproofed.

**Settings** This Antenna is pre-configured. No adjustment should be necessary; however matching can be optimized for your receiver by adjustment of the internal switches. These are accessible by removing the lid on the Antenna base. Optimum or "Matched Loop" settings are determined by physical cable length used during installation. 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 a 10/15m long cable or SWITCH 3 = ON for a 5m cable.** Once set and correct operation has been confirmed, replace the Lid.

	Length	15m	10m	5m	3m	1m
	Switch					
	1					
10m Default >	2	Whole Band	Favours >1200KHz			
5m Default >	3		Favours <1200KHz	Whole Band	Whole Band	
3m Default >	4				Favours Low End	Whole Band
	5					
	6	Attenuate	Attenuate	Attenuate	Attenuate	Attenuate

**Troubleshooting** At locations where reception suffers from cross-modulation or image problems because of nearby or strong transmitters; use a cable length of 10 metres and select the best switch setting, referring to the table above 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.