



LA380

HI-Q ACTIVE LOOP AERIAL

- Excellent directivity in peaking and nulling signals as local noise.

- High-gain amplifier 20dB for 10kHz-250MHz

- Tune and peak the wanted frequency, reject unwanted out of band signals.

- Ideal for limited space, apartments, small lots, motor homes, attics, or mobile homes.

- Designed and manufactured in Japan to exacting standards.

10kHz-500MHz
With a single
indoor loop!





LA380 HI-Q Active loop aerial 10kHz - 500MHz

The **LA380** is a compact active (30cm diameter) loop antenna specifically designed to provide good reception when away from the main monitoring location or when large external antennas are not practical. Compact, but achieving high performance, featuring an internal high-gain amplifier (20dB for 10kHz-250MHz).

Directivity

A rotating loop antenna is very directional. Depending on the loop's orientation, you can peak an incoming signal depending on its direction, or decrease an interfering signal.

For example the nulling feature will allow you to remove a station on a frequency and pick up another (transmitting from a different direction) on the same frequency. Of course the directional characteristics when listening to distant sky-wave signals will not be as pronounced as local ground-wave propagation.

Thanks to its directivity, it is also ideal for minimizing the effects of unwanted interfering local terrestrial signals and noise.

The loop element features a 5 position band switch and a High-Q poly-variable capacitor to tune and peak the wanted frequency, while achieving maximum rejection of unwanted out of band signals. This provides valuable additional selectivity for your receiver's front-end stages.



Band switch selection

Frequencies	Comments
40 kHz	Specifically for Japan time signal.
60 kHz	Specifically for US, UK & Japan time signal.
3-10 MHz	Shortwave bands 100 to 30 Meters
9-40 MHz	Shortwave bands 33 to 7 Meters.
Others	Between 10 kHz and 500 MHz, except frequencies and frequency ranges mentioned above.

LA380 vs. its predecessor LA350

With similar performances, the LA380 has following advantages:

Wider frequency coverage (10kHz-500MHz), LA350 covering only 200kHz-30MHz.

Full frequency coverage (10kHz-500MHz) with one single receiving element! LA350 needed 4 switchable elements.

LA380 Specifications	
Frequency range	10kHz-500MHz, 5 bands selectable
Impedance	50 Ohm
Connector	BNC
Loop element size	300(W)x365(H)x45(D)mm
Control box size	120(W)x55(H)x85(D)mm
Weight	Loop: 210g, control box: 230g
Cable	1m RG58A/U (BNC plugs)
Power	External DC 12V (9-15V), approx. 80mA. DC connector 1.3mm centre positive
Supplied acc.	LA380 Control box with loop
	AC power supply
	BNC-BNC Coaxial patch lead (1m)



The LA380 is NOT intended for transmit purposes.

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