LA390

DESKTOP ACTIVE LOOP AERIAL

10kHz-500MHz With a single indoor loop!

- Peak an incoming signal depending on its direction.
- Decrease interfering signals or local noise.
- 5 position band switch for excellent out of band signal rejection.
- High-gain amplifier min. 20dB for 150kHz to 30MHz.
- Ideal for limited space, apartments, small lots, motor homes, attics, or mobile homes.
- Designed and manufactured in Japan.

LA390 Desktop active loop aerial 10kHz - 500MHz

The LA390 is a high performance active loop aerial, ideally suited for internal or desk top use where larger external aerials are not possible. The single loop is approximately 30.5cm across with 5 selectable bands having excellent directivity for nulling interference. The aerial is powered from 12V (power supply provided) and comes complete with a 1 metre BNC to BNC coax lead.

■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.

■Band switch selection

The loop has 5 switchable bands making it not only an excellent HF aerial but also makes it a highly practical solution for wider band receivers working up to UHF frequencies.

Switch position	Frequencies	Comments
1	150kHz-800kHz	Longwave (148.5kHz-283.5kHz)
2	700kHz-3MHz	Mediumwave (520kHz-1710kHz)
3	3MHz-10MHz	Shortwave bands 100 to 30 Meters
4	10MHz-30MHz	Shortwave bands 30 to 7.5 Meters
5	Others	Between 10kHz and 500MHz, antenna acts as an amplified whip.

■LA390 vs. LA380

With similar performances, the LA390 offers in addition preselection for L.W and M.W bands, but not for the 40kHz and 60kHz time signals. Preselection sharpness has also be improved.

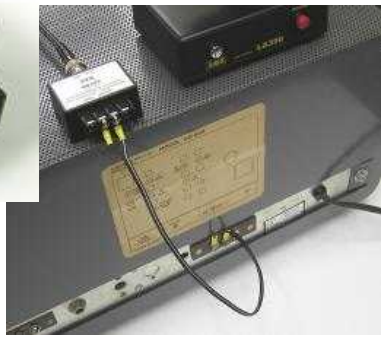
■Specifications

Frequency range	10kHz-500MHz, 5 bands selectable
Impedance	50Ω
Typical gain	150kHz: 23dB 25MHz: 20dB 30MHz: 20dB 50MHz: 20dB 250MHz: 17dB 500MHz: 10dB
Connector	BNC
Loop element size	305(W)x365(H)x60(D)mm
Control box size	120(W)x55(H)x85(D)mm
Weight	Loop: 250g, 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.	LA390 Control box with loop AC power supply BNC-BNC Coaxial patch lead (1m)

■Options

MC-600 IMPEDANCE MATCHING TRANSFORMER

Even your antique radio can benefit from the power of the LA390 loop antenna!



Operation range:
10kHz – 30MHz

MC-600 is an optional interface between the 600Ω antenna socket of your antique radio, and the 50Ω input of the LA390 (or LA380) loop antenna. Supplied with a 30cm lead terminated with solderless terminals.

The LA390 is NOT intended for transmit purposes.

AOR, LTD.
2-6-4, Misuji, Taito-Ku, Tokyo
111-0055, Japan
www.aorja.com mail@aorja.com

AOR USA, INC.
20655 S. Western Ave. Suite 112
Torrance, CA 90501, U.S.A
Phone: 310-787-8615 Fax: 310-787-8619
www.aorusa.com info@aorusa.com

AOR UK.
Unit 9, Dimple Road Business Center, Matlock
Derbyshire DE4 3JX, U.K
Phone: 01629-581222 Fax: 01629-580070
www.aoruk.com info@aoruk.com