



Palstar Incorporated
9676 N. Looney Rd.,
Piqua, OH 45356 USA
Customer Service and Sales Telephone:
1-800-773-7931
Fax:
1-937-773-8003
Email:
info@palstar.com



LA30 Ferrite Loopstick Antenna

Owner's Manual



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Description:

The LA30 Loopstick Antenna is designed for the avid LF, MW, and Tropical Band SW listener.

Three available rotating loop antennas cover the frequency bands 410KHz to 2050 KHz (standard), 110 KHz to 550 KHz (optional), and 1480KHz to 7500 KHz (optional)

A hi-*Q* pre-selector eliminates interference from powerful nearby stations.

A +15 db pre-amplifier pulls in weak stations, while a 15 db attenuator prevents overload when listening to strong stations.

Specifications:

| | |
|-----------------|--|
| Frequency Range | 410 KHz to 2050 KHz (standard) 110 KHz to 550 KHz (optional) 1480 KHz to 7500 KHz (optional) |
| Loopstick | Ferrite core wound with Litz wire |
| Gain | +15 db |
| Attenuator | -15 db |
| Power | 12VDC. Rear panel switch selects between battery and AC adapter |
| Dimensions | 4.75" H (+4.25" for loopstick) x 8.25" W x 11.25" D (including knob and rear connectors) |
| Weight | 5 lbs |

Limited Warranty

Palstar Inc. warrants products manufactured by it to be free from defects in material and workmanship under normal use and service **for a period of one (1) year from the date of delivery to the first buyer** (the "Warranty Period"). Palstar Inc's obligation under this warranty is limited to repair or replacement of the product; at its option at the Palstar factory in Piqua, OH.

Effective only when the product is returned to the factory with all transportation charges prepaid and examination of the product discloses in Palstar's judgment, to have been defective during the Warranty Period.

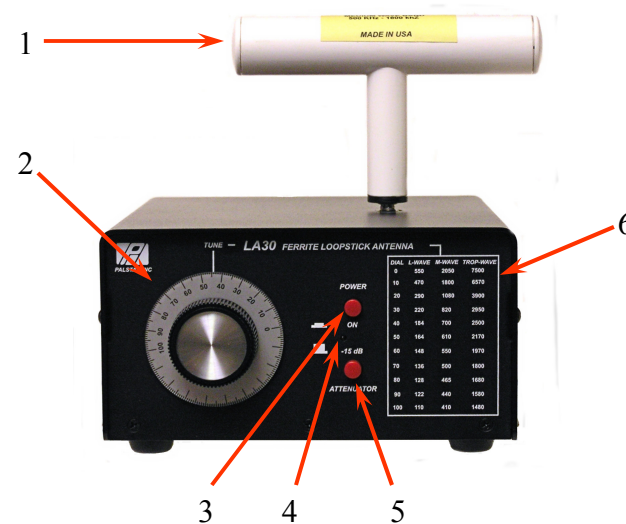
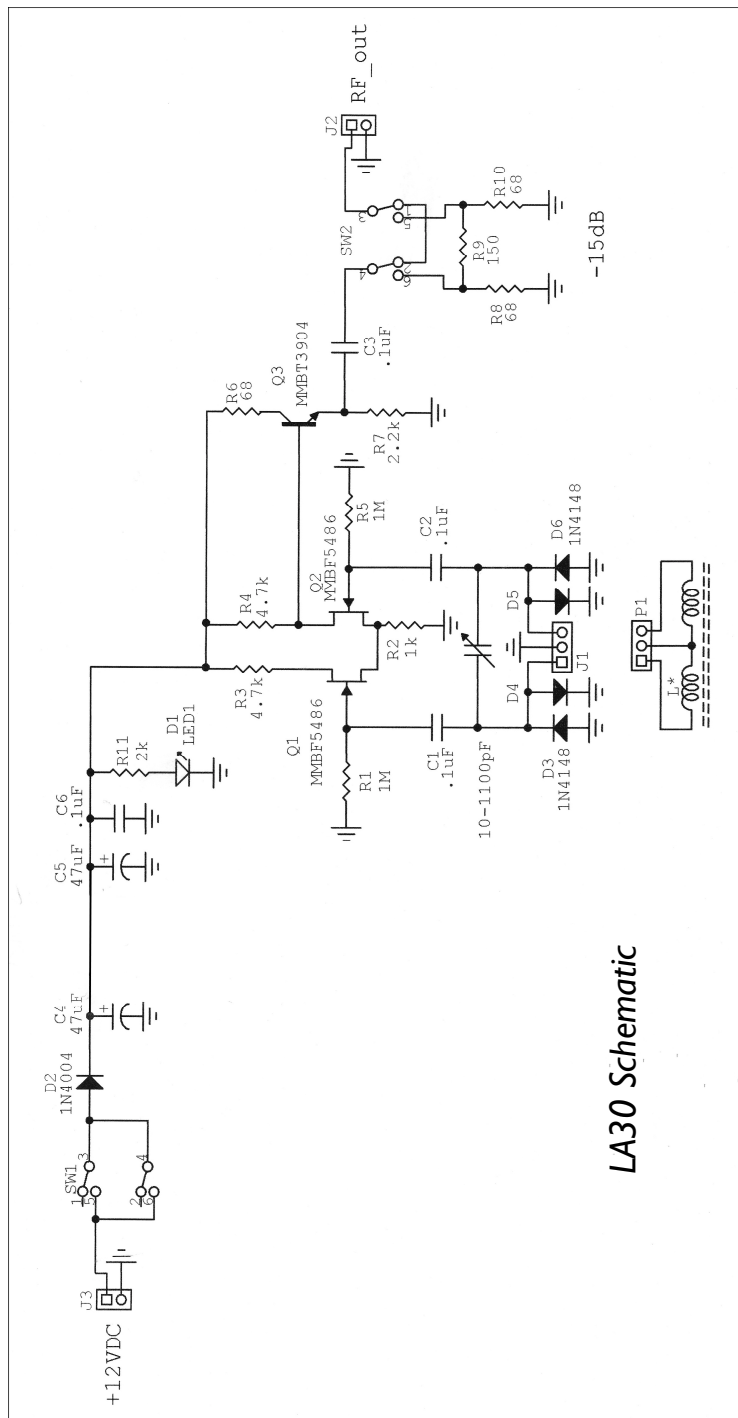
The Warranty Period shall not extend beyond its original term with respect to interim in-warranty repairs by Palstar. This Warranty Period shall not apply to any product which has been repaired or altered by anyone other than Palstar without prior written authorization. Warranty does not extend to any products which have been subject to damage from improper installation, application or maintenance in accordance with the operating specification. Palstar neither assumes nor authorizes any person to assume for it any obligation or liability other than herein stated.

Repair Policy

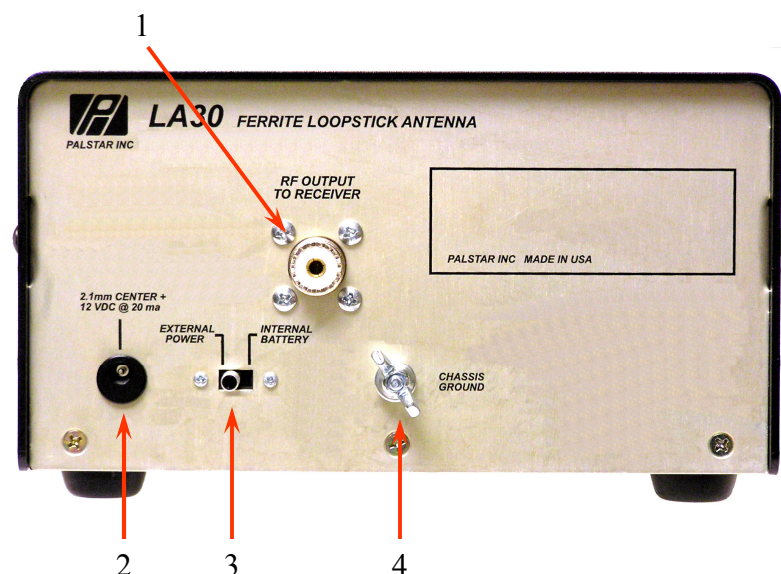
When sending in a product for service, please "double" box it carefully and ship it insured for your protection. Please include a note clearly describing the problem, how you wish the item returned and how you wish to pay for the service. Package your radio properly. Palstar, Inc. is not responsible for merchandise damaged in shipment. Our service rate is \$30 per hour (1/2 hr. minimum).

Return Policy

All returns must receive prior authorization from Palstar. Returned items must be received in original—AS SHIPPED—condition including the original box, manuals, accessories, and copy of sales receipt. Returns must be within 14 days of purchase. Returned items are subject to a 25% restocking fee. Shipping is not refundable.



1. **Rotating Loopstick Antenna.** Plugs into socket on cabinet top and rotates for best reception.
2. **Tuning Knob.** Tunes the hi- Q pre-selector circuit.
3. **On/Off Power Switch.**
4. **Power On Indicator LED.**
5. **Attenuator Switch.** Switches 15 db attenuator in or out of circuit
6. **Tuning Chart.** Indicates proper tuning knob setting for various frequencies with the three available loopstick antennas



1. **Output SO-239 Jack.** Connect to the antenna jack of your receiver.
2. **DC Power Jack.** Input for 12VDC regulated external power. (plug: 2.1mm I.D, 5.5mm O.D.; center +) (9VDC @ 600ma wall adapter supplied, U.S. and Canada only¹)
3. **Power Select Switch.** Select between external power jack and internal 12V Battery (8 AA penlight cells (LR6)).
4. **Ground Post.** Connect a ground or counterpoise wire to this post.

¹ **NOTE:** Powering the LA30 with more than 12VDC will cause the audio to distort. We supply a 9VDC wall adapter because at the current draw level of the LA30, its output is very close to 12VDC. The typical 12VDC wall adapter will have an output closer to 15VDC, which is too high for proper operation.

Operation:

1. If operating from battery, remove the cover and battery retaining strap and install 8 AA (LR6) batteries. The use of alkaline batteries is recommended.
2. Connect the LA30 output to the antenna jack of your receiver.
3. Select the power source with the switch on the back.
4. Insert the loopstick for your band of choice in the jack on the top of the LA30.
5. Tune your receiver to the frequency you wish to listen to.
6. Using the chart on the front panel, set the Tune control on the LA30 to the indicated value for the frequency you wish to listen to. When you have tuned it correctly you will hear an increase in the noise in the receiver, or, if you are tuned to a station, you will hear the station.
7. Rotate the loopstick for best reception. The best reception will occur when the length of the loopstick is perpendicular to the desired station's location. The worst reception will occur when the end of the loopstick is pointed at the station. By using this directional characteristic of the loopstick, it is possible to null out interference from another station on the same or a nearby frequency if the stations are located in different directions from your location. Best results will be achieved if the stations are 90° apart.
8. As you tune your receiver up and down, you will need to adjust the Tune knob on the LA30 up or down to follow.