

Data Sheet



LNA 137 A / Art. No.: 1024



The GaAs-FET-Mast preamplifier LNA 137 A improves reception of low earth orbiting weather satellites in the 137 MHz range. The used GaAs-FETs in the input stage ensure a very low noise figure and high amplification as well. The mast preamplifier is equipped with an UV-resistant, weatherproof housing and N sockets. Hot galvanized clamps and mounting material made of V2A are part of the delivery.

Mount the preamplifier directly to the mast with the included clamps; the N-sockets should point downwards. Connect the preamp input („ANT“) via a cable, as short as possible, to your antenna. Please choose a low-loss cable only. We recommend our cables **AIRCOM PLUS** or **ECOFLEX 10**.

Subsequently, connect the cable to your station to the socket „TRX“. If you want to feed the preamp via the coaxial cable, the mounting process is finished already.

Direct feeding of the operating voltage is possible also. It is absolutely necessary to use a shielded cable, like type RG 58/U. The inner conductor has to be connected to the Plus (+) Pole, the shielding to the Minus (-) Pole. This cable will be connected to the preamp by a commonly used UHF-connector.

Technical Data

Frequency range	136-138 MHz
Noise figure	typ. 0.9 dB
Amplification	typ. 20 dB
Operating voltage	12 - 14 V
Current consumption	typ. 40 mA
Connection norm	N – socket
DC input	UHF - socket
Dimensions (mm)	135 x 75 x 105
Mast diameter, max.	58 mm

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact our team:

technik@ssb-electronic.de

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Disposal of your old appliance



This product is covered by the European Community directive 2002/96/EC. 2.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by

the government or by the local authorities. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and the human health.

For more detailed information about the disposal of your old appliance, please consult your city office, waste disposal service or the shop where you purchased the product.

Within Germany, the above regulations are also valid for the disposal of batteries and accumulators accordingly.

Declaration of Conformity



Herewith we declare that this product complies with all relevant regulations for the product within the guidelines 73/23/EWG, 89/336/EWG and 99/5/EG of the Council:

EN 301 489-15 Electromagnetic compatibility and Radio Spectrum Matters (ERM) Electromagnetic Compatibility (EMC) standard for radio equipment and services.

Part 15: specific conditions for commercially available amateur radio equipment.

EN 301 783-1 Electromagnetic compability and Radio Spectrum Matters (ERM); Land Mobile Service; commercially available amateur radio equipment.

Part 1: technical characteristics and methods of measurement.

EN 301 783-2 Electromagnetic compability and amateur radio equipment.

Part 2: harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 60950-1:2001 Information technology equipment – safety.

Part 1: General requirements.

Manufacturer:

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