



The GaAs FET mast preamplifier LNA 137 A is used to improve the reception of polar circulating weather satellites in the 137 MHz range. By using a GaAs FET in the input stage, a very low noise figure and a high gain are achieved. The mast preamp is equipped with a UV-resistant, weatherproof housing and N-sockets. Hot-galvanized clamps and mounting material made of V2A are included in delivery.

Please attach your mast preamp with the enclosed clamps directly at the antenna mast. The N sockets must point downwards. Connect the amplifier input ("ANT" socket) to your antenna using a coax cable as short as possible. For this, they should only use a low-attenuation coax cable. We recommend the use of AIRCOM PLUS or ECOFLEX 10.

Then connect the coaxial cable to the receiver to the "TRX" connector. If you are distributing the amplifier via the coax cable, the installation is already completed.

The voltage supply is also possible by direct feed. A shielded cable, e.g. Of the type RG 58 / U. The inner conductor is connected to the plus (+) pole, the shield is connected to the minus (-) pole. This cable is connected to the preamplifier via a commercially available UHF connector.

### Technical data

Frequency range	136-138 MHz
Noise measure	Typ. 0.9 dB
Amplification	Typically 20 dB
Operating voltage	12 - 14V
Power consumption	Typically 40 mA
Connection standard	N connector
DC input	UHF socket
Housing dimensions	135 x 75 x 105 (mm)
Mast diameter, max	58 mm

### Notes on environmental protection



Electrical and electronic devices may not be disposed of with household waste. This must be handed in separately at collecting points, or returned to the point of sale. Packaging materials must be separated and disposed of through the municipal waste by material type.

### Maintenance

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact [support@ssb-electronic.com](mailto:support@ssb-electronic.com). For a lowest possible noise figure of the complete system, set preamp to maximum gain.

### Safety, Warranty

Not suitable for children! The packaging material and the device may contain small parts which may be swallowed. Repairs may only be performed by qualified personnel., Opening the device, or improper use will void any warranty claims. No guarantee will be given. The device applies to the Low Voltage Directive 2006/95/EG, as well as to 2004/108/EG, 2002/96/EG, 1999/44/ EG.

### Declaration of Conformity



The CE mark is a free trade mark. It does not guarantee any product features. The product does apply all relevant regulations within the scope of 94/62/EG.

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