

Data Sheet



DBA-270 / Art. No.: 1032



The mast preamplifier DBA 270 improves reception of amateur radio stations in the 2m and the 70cm band. Because of the built-in diplexer only one HF socket each for the (Combi) antenna and the downleading cable is needed. The automatic Trx-receiver switch will disable the preamplifier during transmissions and enable it again for reception. The maximum power is 100 Watt! The unit is equipped with a low-noise GaAs-FET transistor for each band separately. Subsequent steep-edged filters guarantee a high selectivity of incoming signals.

The preamplifier comes in an UV-resistant, weather-proof housing and is equipped with N-sockets. Hot dip 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.

The operating voltage is delivered via a remote powering coupler. The combiner **Type DCC-12N** is recommendable if only a transceiver is used. In this case the preamplifier works with automatic switching in the VOX-mode.

If a final amplifier following the transceiver, you should use a diplexer like **Type DCW 2004 B**. This combiner provides a safe sequential P.T.T.-control of preamplifier and final amplifier.

In both modes HF-power up to 100W can be handled.

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Technical Data

Frequency range 144-146MHz,430-440MHz
max. HF- Capacity 100 Watt / HF-VOX
200 Watt / PEP
100 Watt / FM
Noise figure, typ. 0,5 dB / 2m, 0,7 dB / 70cm
Amplification, typ. 20 dB / 2m, 24 dB / 70cm
Insertion loss 0.1 dB / 2m, 0.2 dB / 70cm
Connection norm N - Socket
DC input UHF - Socket
Operating voltage 12V - 14V
Current consumption Typ. 250 mA
Dimensions 135 x 75 x 105mm
Mast diameter max. 58mm

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

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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