

# Data Sheet



SP-4 / Art. Nr.: 1045



The built-in automatic transmit/receive switch and the remote coupling option make installation an easy task. Before installation you should choose the right amplification of the SUPER-AMP. The factory default is a max. passage amplification of 20 dB. The built-in attenuator control is in the right-most position. For very short cable lengths or use of a preamplifier directly at the station it may be advisable to reduce amplification of the SUPER-AMP a bit, in order not to deteriorate the large signal performance of the station too much.

Remove the plastic cover of the preamplifier and carefully adjust the trimmer with a small screwdriver through the hole in the tinplate cover.

### Control positions and amplification:

Control in right-most position = 20 dB  
Middle position = 15 dB  
Control in left-most position = 10 dB

Amplifiers of the Super-Amp Series come in an UV-resistant, weather-proof housing and are 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.

If a transceiver without a remote feeding option is used, a separate remote feeding unit

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**Type DCC-12 N** may help. If a linear amplifier is used in addition to the transceiver, we recommend the **Type DCW 2004 B**. This unit provides a safe sequential P.T.T.-operation of preamplifier and final amplifier. In this mode a HF-power of up to 750W SSB is possible.

## Technical Data

Frequency range	69 - 71 MHz
Noise figure, typ.	1,0 dB
Amplification, adjustable	10-20 dB
Switching power w. HF-VOX	100 W
Capacity P.T.T	750 W / SSB 500 W / FM
Insertion loss	0.1 dB
Connection norm	N - socket
DC input	UHF - socket
Operating voltage	12V - 14V
Current consumption	Typ. 250 mA
max. Mast diameter	max. 58 mm
Rec. Remote powering coupler	DCW 2004 B

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](mailto:technik@ssb-electronic).

## 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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