

Data Sheet



SP-23 / Art. Nr.: 1022



The mast preamplifier SP-23 is equipped with an automatic transmit/receive switch and allows to improve the reception abilities of a 23cm station significantly in an easy way. 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.

Automatic switching (VOX) may be used up to a HF-power of 10W. The amplifier will be supplied with voltage permanently, while the automatic does the transmit/receive switching.

For HF-power exceeding 10W use of a Sequence-Controller type **DCW 2004 SHF** is mandatory. The switch is P.T.T. operated. In this mode 100W of HF-power can be transmitted.

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Technical Data:

Operating voltage	12 – 14 V
Current consumption, typ.	500 mA
Noise figure, typ.	0,9 dB
Amplification, typ.	20 dB
Insertion loss, typ.	0,4 dB
Power load	VOX: 10W max. SSB: 100W max. FM: 100W max.
Connection norm	N - socket
DC Input	UHF - socket
Dimensions (mm)	135 x 75 x 105
Mast diameter	max. 58mm
Recommended Remote powering coupler:	DCW 2004 SHF

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.

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