

# Data Sheet



## MHP 145 / Art. No.: 1048

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The MHP 145 is an ultra-low-noise Mast preamplifier for high power, up into the kilowatt range. Heartpiece of the unit is the preamplifier LNA 145, which, as a special edition, is placed with SMA-sockets and 2 coaxial power relays in a weatherproof mast housing. The LNA 145 offers very good specifications regarding noise figure, selectivity and large signal performance. This is valid also for the MHP 145 without deductions. We decided against protective circuits or HF-VOX, to ensure reliable functions in this power range.

The preamplifier is switched on simply by connecting an operating voltage; after switching off, the MHP 145 is bridged for the transmission mode in a very low-loss way. The operating voltage is supplied externally via a UHF (SO-239) socket which is placed in the middle between the N-sockets. It is absolutely mandatory to use a shielded cable for this purpose, like Type RG 58/U. The inner conductor is connected to the Plus (+) pole, the shielding to the Minus (-) pole.

**Remote powering is not possible!**

### Beware:

**The MHP-145 does not have any protective circuits!  
Please take care of delayed switching of the PA during transmissions!**

### Technical Data

Frequency range	144-146 MHz
Noise figure, typ.	0.5 dB
Amplification, typ.	20 dB
Power handling capacity	1500 Watt / SSB
Insertion loss	0.1 dB
Operating voltage	12V - 14V
Current consumption, typ.	Typ. 400 mA
Connection norm	N - socket
DC input	UHF - socket
Mast diameter	max. 58 mm

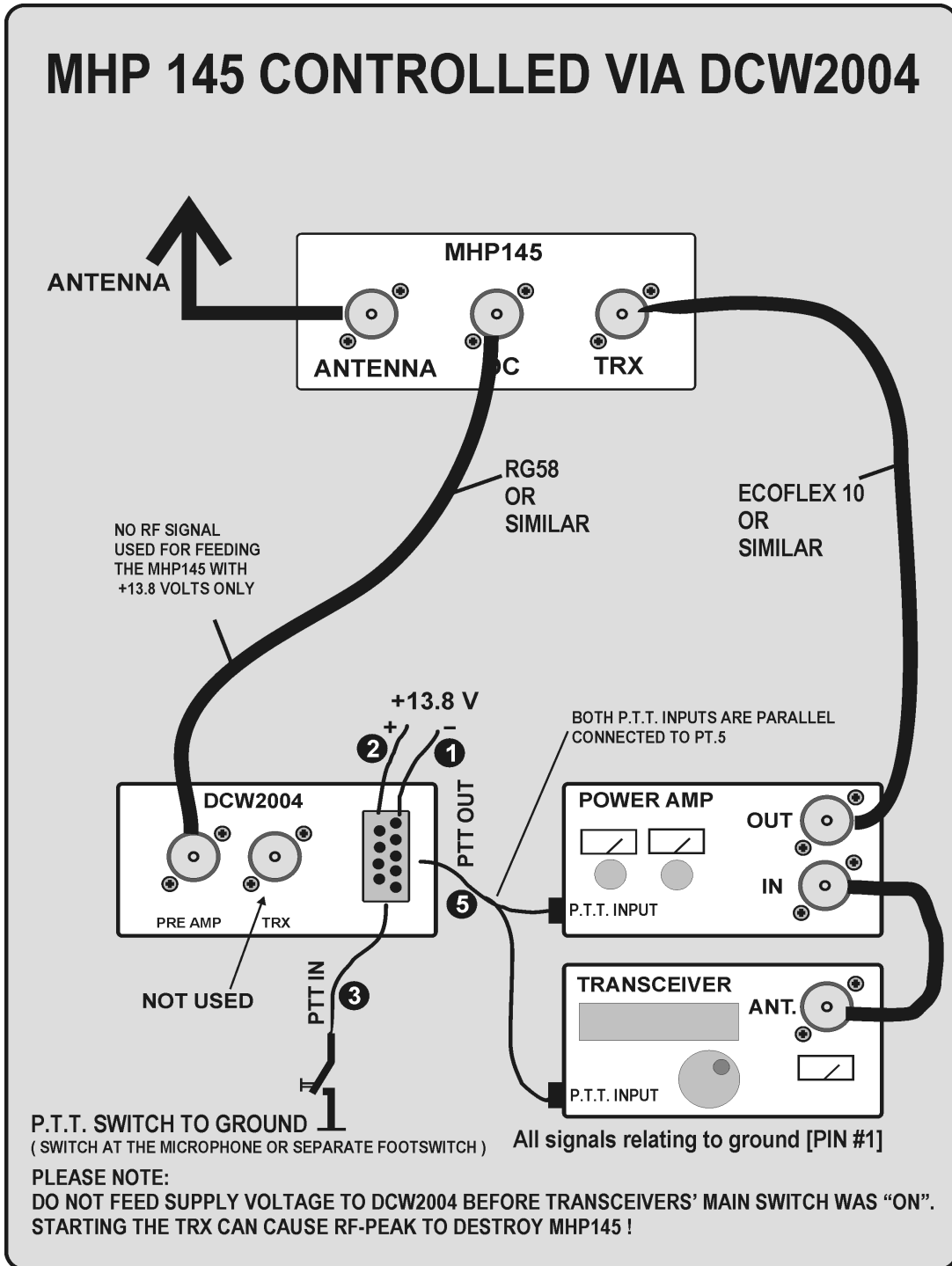
Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact our team:

[technik@ssb-electronic.de](mailto: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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