



WL-5600-1 DC / Item.No.: 9555

The WL5600-1 is a bidirectional amplifier for the WLAN frequency range 5.18GHz to 5.825GHz. It is equipped with an automatic transmission / reception switch. The gain is min. 25dB. A gain of at least 15 dB is ensured in the receiving direction. The output power can be up to 30dBm (1W).

The entire electronics are mounted on a low-loss and high-quality circuit board.

The device is installed in a mast housing. The connections should point down as shown in the connection diagram. The WL5600-1 have its own connection for the operating voltage. This connection is realized with a weatherproof IP68 jack. The suitable plug is included with delivery.

Notes on operation:

Please observe the legal regulations regarding maximum transmission power. In Germany you may send an EIRP of 1000 mW in Subband 2 (5470 MHz - 5725 MHz). In subband 1 (5180 MHz - 5320 MHz), however, only 200 mW EIRP is permissible.

The operator is responsible for operating the device within the legal limits of the respective country.

The TRX input should be at least at -10dBm so that the transmitter switching is safe.

Please ensure that the device is not overdriven. As a result, the data rate is drastically reduced since amplitude information would be distorted. To avoid damage, the maximum level must not be exceeded.

Technical data:

Frequency range	5180 - 5825 MHz
Receive gain	min. 15dB typ. 16dB
Transmit gain	min. 25dB typ. 27dB
Output power max.	1000mW (CW)
Input power Bias-T	-10dBm, max. 6dBm
Input power Ant	max. 0dBm
P1dB Output 1dB compression point (TX)	30dBm
EVM	max. 3%
Operating voltage	7 – 14 V
Power consumption	Max. 1,3A
Connection standard	N - Female
Mast diameter:	max. 58 mm
Supported standards:	IEEE802.11 a/n

Connection plan:

In order to transmit the maximum power to the antenna, it is advisable to position the WL5600-1 as close as possible to it.

When planning, please take into account the maximum output power of your network device.



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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. 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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