

# Datasheet / Manual



## WL 2400-10W / Item. No.: 9585



The WL2400-10W is a robust WLAN amplifier for the 2.4 Ghz band and produces at least 10 watts of output power with a typical transmit gain of 22 dB.

The device is intended for authorities and services with special permits from the your local **government agency that regulates communications** because, in connection with directional antennas, an impermissible effective radiated power (EIRP) that clearly exceeds 100 mW can be achieved! The maximum permissible effective radiation power (EIRP) in the European Union is 100 mW (0.1 watt!) **Ask your local government agency that regulates communications which power is permitted in your country. The operator is responsible for compliance with the limit values!**

Due to the robust construction and the use of a large, milled aluminum heat sink, the amplifier is predestined for mobile or stationary continuous use with the highest data rates. The amplifier has a weatherproof housing for direct mounting on the antenna mast. Rust-free hardware and a DC injector are included.

### Technical specifications

Frequency range	2400-2480 MHz
Noise figure	<3.0 dB
Receiving amplifier	20 dB
Output power max.	10 Watt
Transmission gain max.	25 dB
Operating voltage	8-24 V
Power consumption, RX	180 mA
Power consumption, TX	3 A max
Weight	0.6 kg
Connection standard	N - female

Do not open the device. The device contains no serviceable parts. If you need assistance with technical questions, please email:

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

### Connection instructions

The antenna is connected to the input of the amplifier via the shortest possible, low-attenuation cable. We recommend ECOFLEX 10 here.

From the amplifier (**socket Bias-T**), a lead leads to the supplied DC injector (socket Amplifier). The DC injector (card socket) is connected to the wireless card or bridge via a short piece of cable (pigtail).

A stabilized 12 V power pack is required to power the WL 2400-4. The power pack should be designed for a continuous current of at least 3 A. Connect the red cable to the positive (+) pole of the power supply and the black cable to the negative (-) pole.

### Notes on environmental protection



Electrical and electronic devices must not be disposed of with household waste. The consumer is legally obliged to return electrical and electronic devices at the end of their service life to the public collection points set up for this purpose or to the point of sale. Details are regulated by the respective state law. The symbol on the product, the instructions for use or the packaging refers to these regulations. By recycling, material recycling or other forms of recycling old devices, you are making an important contribution to protecting our environment. In Germany, the above-mentioned disposal rules apply to batteries and rechargeable batteries according to the Battery Ordinance.

### Declaration of Conformity



It is hereby declared that the above-mentioned product fulfills all regulations relevant to the product within the scope of the directives 73/23/EEC, 89/336/EEC and 99/5/EC of the EU Council:

**EN 300 328-1 V1.3.1. (2001-12)** (partially)

**EN 300 328-2** (partially)

**EN 301 489-1 V1.2.1 (2002-08)**

**EN 301 489-17 V1.2.1 (2002-08)**

**EN 60950** (electrical security)

### Manufacturer:

SSB Electronic GmbH  
Am Pulverhäuschen 4  
59557 Lippstadt

Contact:

E-Mail : [technik@ssb-electronic.de](mailto:technik@ssb-electronic.de)  
Phone : +49(0)2941-93385-0

SSB-Electronic GmbH \* Am Pulverhäuschen 4 \* 59557 Lippstadt  
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