

Data Sheet / Instructions for use



WL 2400-2 Art.No.:9534



Product description

The WL2400-2 is a robust WLAN amplifier from our civil sector and produces 2 watts of output power with a transmission gain of typ. 13 dB.

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 receiving amplifier works with a PHEMT and thus achieves a low noise figure of only 3dB, with a gain of 11dB. To protect against interference from neighboring transmitters, the receiving preamplifier is equipped with a dielectric filter. The amplifier has a weatherproof housing for direct mounting on the antenna mast. The rustproof hardware is included in the scope of delivery.

The WL2400-2 can be operated with the remote feeder DCC 2.4 - 5.6 GHz (order no. 9528).

For export and authorized authorities only!

Technical specifications

Frequency range:	2400...2480 MHz
Noise figure @ 20°C NF:	2,5 dB
Gain S21, typ.:	11 dB
Input: S11	22 dB
Output: S22	22 dB
Output Power max.	2 Watt
TX Gain max.	15 dB
Operating voltage:	1214,5 V
Current consumption / RX:	120 mA
Current consumption / TX	800 mA
Housing dimensions:	115 x 56 x 82 mm
Weight:	0,56 kg
Connection standard:	N-Female

Connection instructions

The WL 2400-2 should be installed directly on the antenna mast, the N sockets must point downwards. The antenna is connected to the amplifier input using the shortest possible, low-attenuation cable. We recommend ECOFLEX 10 here.

A dissipation coax cable leads from the amplifier to the remote feeder. The remote feeder is connected to the radio card or bridge via a short piece of cable (pigtail). A stabilized 12 V power supply unit is required to power the WL 2400-2. The power supply unit should be designed for a continuous current of at least 2 A. The positive pole (+) of the power supply cable is soldered to the middle pin of the plug and the negative pole (-) to the outer contact. Reverse polarity protection is built into the amplifier for safety!

Notes on environmental protection



Electrical and electronic devices must not be disposed of with household waste. These are to be handed in at specially set up collection points or at the point of sale. Packaging materials are to be separated and disposed of with household waste according to the type of material.

Maintenance, care

Do not open the device. The device does not contain any serviceable parts. If you need support with technical questions or in case of service, please contact us by email:

technik@ssb-electronic.de

Security, warranty

The product is unsuitable for children. The packaging material and the device may contain small parts that can be swallowed. Repairs may only be carried out by qualified personnel; however, opening the device or improper use will void any warranty claims.

There will be no guarantee. This device complies with the Low Voltage Directive 2006/95 / EG, as well as 2004/108 / EG, 2002/96 / EG, 1999/44 / EG.

Declaration of Conformity



It is hereby declared that the above product complies with all regulations relevant to the product within the scope of the Council Directives 73/23 / EEC, 89/336 / EEC and 99/5 / EC.

Manufacturer: SSB-Electronic GmbH,
Am Pulverhäuschen 4, 59557 Lippstadt / Germany

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How to contact::

E-Mail: technik@ssb-electronic.de
Phone: +49 (0) 2941-93385-0
Internet: www.ssb-electronic.de