

Users Manual



UEK-3000 / Item.No.: 3018



The UEK 3000 is equipped with a UV-resistant, weatherproof housing and N-connectors. Hot-galvanized clamps and mounting material made of V2A are included in the delivery.

With a suitable HEMT, an extremely low noise figure of only 0.7dB is achieved for the entire converter. The built-in preamplifier has a noise figure of 0.5 dB.

The gain of typ. 30 dB was selected in a practical way.

Assembly

Please attach your UEK-3000 directly to the antenna mast using the enclosed clamps. The N sockets must point downwards. Connect the converter input ("ANT" socket) to your antenna using a coax cable as short as possible. For this, they should only use a low-attenuation coax cable. We recommend the use of **AIRCOM PLUS** or **ECOFLEX 10**.

Then connect the coax cable to the station to the "2m OUT" connector. If you are distributing the converter via the coax cable, the installation is already completed.

The voltage supply is also possible by direct supply. A shielded cable, e.g. Of the type RG 58 / U, is necessary. The inner conductor is connected to the plus (+) pole, the shield is connected to the minus (-) pole. This cable is connected to the preamplifier via a commercially available UHF connector.

Technical data

Frequency range	2400 – 2404 MHz
ZF	144 – 148 MHz
Noise figure, type.	0.7 dB
Amplification, type.	30 dB
Connection standard	N – Connector female
DC input	UHF – Connector female
Operating voltage	12V – 14V
Current consumption, type. .	150 mA
Housing dimensions	135 x 75 x 105mm
Mast diameter	max. 58mm

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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