

AS 304-UHF / Art. No.: 5053



The antenna switch AS-304 is an electrically operated switch for four antennas. The unit is built into a weatherproof housing with mast mount. The switch is equipped with highly loadable power relays. In the result this High Frequency Switch is recommendable for a variety of tasks due to its big frequency range and the high power capacity. The according antenna is selected by simply putting the operating voltage of 12 V DC to one of the three plus pins of the DIN-connector.

Basis facts for operation:

We recommend to install the antenna switch as close as possible to the feeding point of the antenna, directly at the antenna mast. The UHF-sockets should face downwards, so no water can enter at the connections. Even during rough weather conditions a trouble free operation can be expected when the unit is mounted properly. The electronic is embedded safely in the plastic housing.

Technical Data

Frequency range	DC...600 MHz
Switching ranges	4
Insertion loss	< 0.2 dB / 500 MHz
Standing Wave Ratio	<1.2 : 1
Power max.	@10m 1.5 KW / PEP @2m 1 KW / PEP @70cm 0.6 KW / PEP
Connection norm	UHF- socket
Switching voltage	12 V at 80mA max.
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

Electrical connection:

A power source with 12V and ca 80 mA capacity and a suitable switch are needed. The four output sockets are labeled with ANT 1...ANT 4. In voltage-free condition the socket ANT 1 is always switched through. When connecting a voltage of + 12V-to PIN 2 of the DIN-connector, socket ANT 2 will be activated. This is true for the connections-PIN's 3

and 4 accordingly. The corresponding ground pole is always PIN 4 of the connector.

We recommend to use a shielded control cable. Interference effects caused to the switch or the connected power supply by external noise sources as well as by own HF-transmissions are avoided safely herewith.

Hint:

The antenna switch must not be switched under load!

Pin assignment of the AS 304:

PIN 4 = Earth/Ground/Minus

Antenna 1 is switched to voltage-free condition.

Antenna 2 +12V at PIN 3

Antenna 3 +12V at PIN 2

Antenna 4 +12V at PIN 1

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 General Product Safety Regulation (EU) 2023/988 as also 2014/30/EU, 2012/19/EU, 2011/83/EU.

Declaration of Conformity



This document declares that the above product complies with all regulations relevant to the product within the scope of the directives (EU) 2023/988, 2014/30/EU and 2014/53/EU of the EU Council.

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

Technical changes are reserved. Contents of this document are the intellectual property of SSB-Electronic GmbH. Reproduction or use for AI training purposes is only permitted with express written permission.

How to contact:

E-Mail: support@ssb-electronic.com

Phone: +49 (0) 2941-93385-0

Internet: www.ssb-electronic.com