

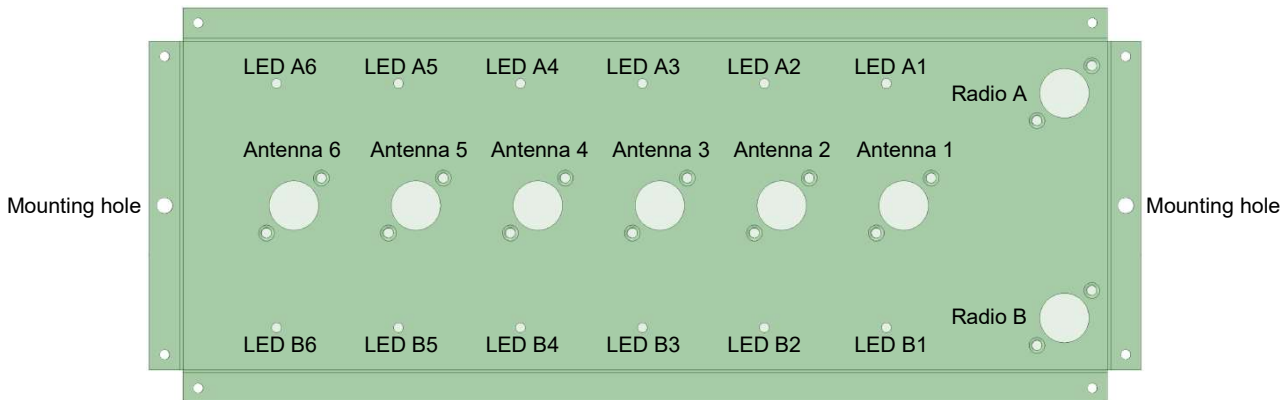
EAS operation-guide

General description

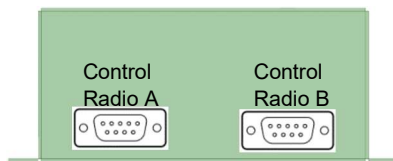
- Antenna-switch for 2 Radios and 6 Antennas on 160m to 6m.
- For each Radio a D-SUB 9 male connector is available at the switch to select Antennas 1 to 6.
- The circuit provides a hardware-interlock (relays) to prevent both radios to access the same Antenna. If an Antenna is selected by Radio A, Radio B cannot select the same Antenna and vice versa (1st wins). In this case no antenna is selected to the other Radio.
- The selected Antenna is indicated by a LED (green LED Radio A, yellow LED Radio B). The selected Antennas are visible in one sight as the LEDs are geometrically aligned to the Radios and to the Antennas.
- The Antenna-switch is designed for indoor-use (no water-protection) in normal environment.

Overview

- Top-view



- Left-view



- Right-view



Installation

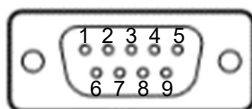
- Connect your stations-ground to the Grounding-lug
- Connect your Antennas with PL259 connectors
- Connect your Radios with PL259 connector

Control

- The circuit is designed that way, that an antenna can be selected for each Radio by
 - o Applying 12 VDC (12VDC (10.4VDC – 14VDC) with at least 100mA to one of the control-pins of the D-SUB 9 assigned to the Radio.
 - o Connecting the control-lines to any equipment (Station-manager, Band-decoder, Rotary-switch, Relay-card, etc..) that provides 12VDC switching with at least 100mA.
 - o **!!! NEVER SWITCH ANTENNAS WHILE TRANSMITTING !!!** This will destroy the relays.

Connection of control-lines

- 2x D-SUB 9 female connectors are delivered together with the EAS. Connect the control-lines according to the following details:
 - o D-SUB pin 1 Antenna 1
 - o D-SUB pin 2 Antenna 2
 - o D-SUB pin 3 Antenna 3
 - o D-SUB pin 4 Antenna 4
 - o D-SUB pin 5 Antenna 5
 - o D-SUB pin 6 Antenna 6
 - o D-SUB pins 7-9 Ground (use one of these pins for control-ground)



D-SUB-connector seen from outside to the Antenna-switch or seen to the soldering-side of the female connector. The pin-numbers are also printed on the connectors (you may need a magnifier).