



Geoscanners AB®

## **DAB-601** **DUAL ANTENNA SPLITTER**



### **DAB-601**

The DAB-601 is an automatic dual antenna splitter for antennas compatible with GSSI SIR® systems. It allows operation of one antenna in monostatic mode or two antennas in bistatic mode. The DAB-601 has also the advantage of providing marker and survey wheel outputs for antennas without them, or when it is desirable to have these outputs closer to the radar unit. The unit is designed and built to offer the best reliability and robustness possible in this class of devices.

## Features

The DAB-601 connects directly to the radar system without requiring any extra cable for the connection. This short link to the radar unit and the high quality of the switching devices used in the unit provide excellent path through values and guarantee very low insertion losses for the trigger signal. The unit has standard output connectors for GSSI range of cables and all of them are dust and moisture protected with high quality caps.

The DAB-601 switches into bistatic mode or two antennas operation whenever a second antenna is attached to it. This automatic function permits quick deployment in field conditions and switching from monostatic into bistatic and back in no time at all.

## Added Value

The DAB-601 does not only switch from bistatic mode into monostatic and vice versa but also has marker and survey wheel encoder connectors.

There are occasions when the survey wheel encoder input or marker button input are needed closer to the radar, like for instance when sitting in a car with a SIR-3000 and dragging the antenna behind the vehicle.

**Direct wave measurements cannot be done on the SIR-3000 without an antenna splitter. The DAB-601 is all you need; it does the job quickly silently and with top performance.**

## Short Technical Data:

Scope of application:

- Any antenna compatible with GSSI SIR<sup>®</sup> systems
- Whenever bistatic mode of operation is required with single channel radar systems.

Inputs:

- Trigger and Power from SIR<sup>®</sup> control unit
- Marker button
- Survey Wheel encoder channels

Outputs:

- Full GSSI specification control output to one antenna
- Transmitter Trigger and DC power for one or two antennas
- Survey wheel encoder 5 VDC power

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