

## Switched Beam Antenna for UHF III+ SBA1327B

The SBA1327B is a switched beam antenna for the UHF/NATO band III+ (1350 to 2700 MHz). The antenna beam can be switched by remote control to achieve optimal gain to the desired direction and to avoid interference from unwanted directions. The antenna provides up to 20 beams with a minimum of 20 degree beamwidth to cover the full 360 degree horizontal area. In addition to these narrow beams the antenna can also provide wider beams. Its extremely fast beam switching ability makes the antenna suitable for complex node network in tactical communication.

- Low profile antenna with superior gain performance to enhance radio coverage.
- Great directivity with very low side lobe levels to undesired direction.
- Fast beam switching by using RS-485 based communication



Product details*	
Frequency range	1350 - 2700 MHz
Polarization	Nominally vertical
Antenna type	Switched beam antenna
Radiation pattern	Directional (multiple patterns available) *
Gain	15 to 19 dBi
3 dB beamwidth, Elevation	19° to 34°
3 dB beamwidth, Azimuth	25° to 36°
Sidelobe level	-16 dB
VSWR	≤ 2.0
Nominal Impedance	50 Ω
Power rating	10 W
Power supply	12 VDC
Beam switching speed	< 35 μs *
Standard color	Black
Radiator	Selectable patch array element, 20 elements
Height	350 mm
Diameter	500 mm
Weight	15 kg

Installation*	
RF connection	Female N-type connector
Power and control	Full Duplex RS-485 *
Mounting	Mast mount adapters for 40-60 mm masts included

\* More information on request

Order number	
SBA1327B	Antenna as described above