

# Universal Antenna Base with Built-In GPS Antenna

1 MHz – 1 GHz

VERSION: 1.3

Product Code: UBS-4G



## SPECIFICATIONS:

<b>Alaris Product Code:</b>	RA22-1044X-01*
<b>Electrical:</b>	
Frequency range	1 MHz – 1 GHz
Power input	1 – 30 MHz; 400 W 30 – 400 MHz; 200W 400 – 1000; MHz 100 W
Nominal input impedance	50 Ω
Connectors	N-type female (others on request)
<b>Mechanical:</b>	
Dimensions	Length: 230 mm
Total mass	1.8 kg
<b>Environmental: designed to meet the following specifications</b>	
Designed to comply with MIL-STD-810F	
<b>GPS ANTENNA SPECIFICATIONS:</b>	
<b>Electrical:</b>	
Frequency range	GPS L1 band (1575 MHz)
VSWR	< 2:1
Connector	SMA female
Nominal input impedance	50 Ω
Polarisation	Right-hand circular
Gain	26 dB (+2 dB)
Supply voltage	3 V (+/- 0.3 V)
Current draw	20 mA max
<b>Environmental: designed to meet the following specifications</b>	
Temperature	-30 °C – +70 °C

## PRODUCT FEATURES:

- Wideband (1 MHz to 1 GHz)
- Designed for use with VCF antenna range
- Built-in GPS antenna

## APPLICATIONS:

- For use with VCF antenna range

## PRODUCT DESCRIPTION:

The UBS-4G is a direct replacement for the UBS-4 universal base and offers the same features and benefits. It is compatible with all of the VCF range of mobile centre-fed antennas.

It has a built in GPS antenna with low noise amplifier (LNA) which ensures optimum performance in high RF environments.

The UBS-4 features both the NATO 4 and 6 hole mounting option.

\*Please specify colour on order. In the product code, X denotes the colour code as per table below: (E.g. RA22-1044**B**-01, Green base)

Code:	Colour:
A	Brown/Dark earth
B	Green/Olive drab
C	Black
D	Grey/admiral grey
E	Sand stone