

SatDOCK-G 9555

9555SDG

LAND Solutions

SEA Solutions



SatDOCK-G 9555 9555SDG



Beam SatDOCK-G In-vehicle hands-free docking station provides a high quality semi-permanent installation for the Iridium 9555 Satellite Phone*. The docking station has inbuilt echo cancelling and full duplex technologies to provide superior voice quality and professional handsfree or privacy calls for various transport application.

The SatDOCK-G supports Tracking & Alert functionality via the dedicated in built GPS engine. Tracking messages can be pre configured to support periodic reporting, manual position report update via button press, remote polling or the sending of an emergency alert messages all via SMS/SMS to email or SBD (Short Burst Data).

The Iridium 9555 satellite phone, fits securely in the Dock which is compact in design, unlike other traditional docking kits that require another external box for installation, the Beam SatDOCK-G is all contained within the one single compact Dock. Other features include phone charging, in-built Bluetooth, USB data, inbuilt ringer and allows antenna and power to be permanently connected to the Dock ready for use. The Iridium 9555 handset is easily inserted and removed by the press of a button on the top of the dock making it very easy to use away from the Dock when required.

SatDOCK-G also supports the use of an optional active privacy handset or the fully featured intelligent handset, RST970 these simply and easily added to the SatDOCK-G.

SatDOCK-G provides the flexibility of using your handheld satellite telephone to support the use of equipment for a wide variety of applications. It has an in-built Bluetooth module for voice and data connectivity along with an intelligent tracking and alert reporting system utilizing the in-built GPS engine of the SatDOCK-G. The alert & tracking module can be configured to support periodic polling or emergency alert reporting.

** Iridium 9555 Satellite Phone sold separately.*

KEY FEATURES

- Slim line compact installation
- Integrated Bluetooth connectivity
- Hands-free insatllation
- Privacy Handset options
- Voice, SMS, SBD and Circuit Switched Data capable
- Tracking and SOS
- USB data interface
- RS232 D9 Serial Interface
- Accessory/Ignition sense
- Full certified, Iridium, RoHS, CE, IEC60945
- 2 year repair or replacement warranty



bluetooth



handsfree



privacy handset*



gps



tracking



docking



charging



ringer



mute



horn alert



intelligent handset*



usb



external IO



alert

* optional

Technical Specifications

IRIDIUM NETWORK	
Voice/Data Modulation	2.4 kbps
Compressed Data	10 - 12 kbps
9555 Satellite Phone	1616 - 1625 MHz

POWER		
Average Power Consumption	Current @ 12V	Power Watts
Standby	70mA	0.84W
Transmit + Charging	0.7A	8.4W
Sleep Mode	3mA	35mW
Rated Input	9-32V DC	2A max

PHYSICAL		
Dimensions	mm	inches
Dock	200.5 x 74.36 x 68	7.89 x 2.93 x 2.68
Outer Box	330 x 140 x 90	13.0 x 5.51 x 3.54
Weight	kgs	lbs
Dock	0.32	0.7
Box	1.26	2.78

ENVIRONMENTAL		
Temperature	Degrees °C	Degrees °F
Operating Range SatDOCK-G	-20° to +70°	-4° to +158°
Operating Range 9555 Handset	-10° to +55°	+14° to +131°
Storage	-30° to +70°	-22° to 158°
Operating Humidity Range	< 85% RH non-condensing	

CONNECTORS/INTERFACES	
External Speaker and Microphone	One horizontal 2-pin Microfit connector on the cable loom for speaker and one vertical 2-pin Microfit connector for microphone.
Privacy Handset (Line In/Out)	4-pole 3.5mm audio jack at the bottom of the SatDOCK cradle.
Data Port (USB)	USB Mini-B 5-pin female (USB Slave). USB 2.0 compliant, CDC Serial profile.
Alarm (Alert) Loop 1 input, 1 output	Alarm Mode: Normally-Closed loop IN to OUT up to 500m cable run/multiple buttons.
Power Cable	4-way Microfit socket. +Vin, 0V (GND), and ACC (On/Off Sense). 9-32VDC tolerant. ACC sense: High(1) > +7Vdc Low (0) 0V < +5Vdc
Horn Output	Green wire on the cable loom. Open collector output can be interfaced to 12 or 24VDC with up to 120mA current sink capability.
Iridium Antenna	TNC Female
GPS Antenna	SMA Female
Intelligent Handset	RJ45

BLUETOOTH® MODULE (INTERNAL)	
Legal	The Bluetooth® word, mark and logos are owned by the Bluetooth® SIG, Inc. and any use of such marks by Beam Communications is under license. Other trademarks and trade names are those of their respective owners.
Regulatory	Bluetooth® identifier: B03005. CE 89/336/EEC - #EC/2006/20013C. FCC part 15 class B: SatDOCK contains Transmitter Module FCC ID: QOQW11. Canada: Cert# 5123A-BGTWT11E Japan Standard: R 201 NY 07215089
Antenna	Integrated chip antenna
Power	Default = Class 2 (< 10 metres). Class 1 (<100 metres), +18dBm max. 2.4GHz - 2.4835GHz Unlicensed ISM Band
Profiles	HFP - Hands-Free Profile v.1.5 HFP-AG - Hands-Free Audio Gateway Pro-file v.1.5 & SPP - Serial Port Profile
System	Bluetooth® @ 2.0v+EDR (Enhanced Data Rates), 802.11 coexistence.

GPS MODULE (INTERNAL)	
Receiver Type	14 tracking channels, 51 Acquiring, L1 frequency (1575.42MHz)
Active Antenna Recommendation	Minimum gain 15 - 20dB (to compensate signal loss in RF cable) Maximum noise figure 1.5 dB Maximum gain 50 dB
Update Rate	1Hz
Accuracy	Position 2.5mCEP, Velocity 0.1m/s, Timing 300ns
Acquisition TTFB	Cold 29sec, Hot 1sec
Sensitivity	-161 dBm
Operational Limits	Altitude 18000m, Velocity 515m/s
Dynamics	4G

CERTIFICATIONS	
Iridium, WEEE, RoHS, EMC, Flame retardant, Safety - SELV	

KIT CONTENTS	
SatDOCK-G 9555 Cradle	
Universal Mounting Bracket (RAM)	
DC Power Cable	
Speaker & Microphone	
User Manual & Quick Start Guide	

Accessories

RST060	Beam GoalZERO UPS Battery Pack
RST410	Man Down Kit
RST970	Intelligent Handset
RST755EX	Privacy Handset Iridium
ISD951	AC Plug Pack
RST702	Dual Mode Iridium/GPS Antenna
RST703	Iridium/GPS Dual Mode Antenna
RST704	Iridium Aero Dual Mode Antenna - TSO Approved
RST705	Dual Mode Iridium/GPS Magnetic Antenna
RST706	Dual Mode Iridium/GPS Whip Antenna
RST710	Mast/Pole Antenna

RST714	Whip Antenna
RST715	Iridium Magnetic Antenna
RST719	Aero Patch Antenna TSO Approved
RST720	Iridium Bolt Mount Antenna
RST942	Iridium GPS Cable Kit 6m/19.7ft
RST929	Iridium GPS Cable Kit 9m/29.5ft
RST923	Iridium GPS Cable Kit 12m/39.4ft
RST931	Iridium Antenna Cable Kit Passive 3m/9.8ft
RST932	Iridium Antenna Cable Kit Passive - 6m/19.7ft
RST933	Iridium Antenna Cable Kit Passive 12m/39.4ft



Heavy Vehicles



Cargo Vessel/Capt. & Crew Calling



Emergency Services



Handsfree Communication



Global Head Office (Australia)

Beam Communications Pty Ltd
5/8 Anzed Court, Mulgrave, Victoria
AUSTRALIA 3170

Tel: +61 3 8588 4500

Fax: +61 3 9560 9055

Website: www.beamcommunications.com

General: info@beamcommunications.com

Support: support@beamcommunications.com

Sales: sales@beamcommunications.com

Europe

Tel: +44 208 144 1405

Fax: +44 208 289 3542

United States

Tel: +1 800 250 5819 (USA toll free)

Fax: +1 888 972 8037

APPROVED BEAM RESELLER

© 2017 Beam Communications Pty Ltd

9555DC_REV03_06/17