

# Push-To-Talk Handset Kits

The DriveDOCK Extreme hands-free docking solution provides a high quality transport installation using the Iridium Extreme PTT Service. Combined with Beam's wireless or corded Push-To-Talk (PTT) Handset Accessory Kit, it extends the power of the Extreme® PTT Device to the palm of your hand, whether in or out of a vehicle.

The Beam PTT handset kit (wireless or corded) is ideal for various applications such as Emergency Services, Commercial Transportation, Mining Industry, Defence, Government, no matter the type or size of operation, you can depend on the Beam PTT to perform.

**FIRMWARE:** DriveDOCK Extreme requires Eagle version 2.0 or higher. DriveDOCK Extreme must have the latest firmware version 1.4 or later. Please download latest firmware at: [www.beamcommunications.com/eagle](http://www.beamcommunications.com/eagle)

## Wireless Push-To-Talk Handset Kit PTT-W1A

Beam's **Wireless Push-To-Talk Handset (PTT-W1A)** is a powerful communication device that can transmit and receive audio for up to 500m/1640ft away from your vehicle.\*\*

This Beam PTT solution provides a clear and high quality audio that surpasses the output of the Extreme® Handset. It is the perfect partner for your Iridium Extreme® PTT device. It is possible to connect a secondary wireless handset onto the PTT-W1A gateway cradle allowing dual PTT configuration for more seamless connectivity.

**DESIGN:** Durable mic/speaker handset, enhanced clear audio, talk in or out of the vehicle, simple intuitive design.

**\*\* when using the supplied RST620A shark Fin antenna for the wireless handset cradle.**



### APPLICATIONS



TRANSPORT



IN-BUILDING



EMERGENCY

## Corded Push-To-Talk Handset Kit PTT-C1



Beam's **Corded Push-To-Talk Handset (PTT-C1)** is a cost effective PTT solution that when installed with the DriveDOCK supports all features of the Iridium Extreme® PTT service. It also supports handsfree speakerphone attached to the dock making it ideal for fixed vehicle installations.

This Beam solution provides clear and improved PTT audio quality via the loudspeaker in the corded handset.

**DESIGN:** Rugged mic/speaker handset, improved audio quality, supports Iridium phone and PTT modes.

### APPLICATIONS



MARITIME



IN-BUILDING



FIXED SITE

# Push-To-Talk Wireless Handset Key Features & Specifications

## KEY FEATURES (PTT-W1A)

- IP67 rating – waterproof handset only
- Up to 500m/1640ft\* handheld range from base unit
- AES 128 bit encryption
- Enhanced clear audio quality<sup>#</sup>
- Talkaround Feature enabled
- Find Me™ Feature enabled
- Compatible with Beam DriveDOCK Extreme
- Phone mode supported\*\*
- Ability to amplify PTT audio via speaker
- Universal left/right Extreme Dock mounting bracket

<sup>#</sup> PTT-W1A performs best when worn with the antenna protruding up above the shoulder. Distance is always dependent on the local terrain, obstacles and the overall communications environment.

\*using the PTT620A Shark Fin Antenna.

\*\* Supported in DriveDOCK Extreme firmware version 1.5

## WIRELESS PUSH TO TALK HANDSET

### POWER SPECIFICATIONS

Power Input Voltage	7-16VDC (supplied by Extreme Dock)
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### NETWORK SPECIFICATIONS

Protocol	802.15.4 based derivative
RF Power	<100mW / Gateway <100mW
Encryption	AES128
Frequency	2.40-2.48GHz FH Spread Spectrum

### ENVIRONMENT SPECIFICATIONS

Humidity/Rain/Dust	IEC529, IP67 (Wireless Handset only)	
Vibration and Shock	Mil Std 810 C/D/E/F	
<b>Temperature</b>	<b>Degrees °C</b>	<b>Degrees °F</b>
Operating	-20 to +55	-4 to +122

### BATTERY PACK

Battery Type	3.7V @1450mA Lithium Polymer
Battery Life	>15 Hours @ 30% receive time

### CONNECTORS/INTERFACES

#### Handset

Hirose Audio Port	Industry standard - 6 - pin accessory port
Audio Port	Standard 3.5mm mono jack (TS)

#### Gateway Cradle

Interface Connector	RJ45
Antenna Connector	RP SMA Female

### PHYSICAL SPECIFICATIONS

Dimensions	mm	inches
PTT Wireless Handset	88 x 28 x 63	3.46 x 1.1 x 2.48
PTT Gateway Cradle	80 x 80 x 60	3.15 x 3.15 x 2.36
Weight	kgs	lbs
PTT Wireless Handset	0.150	5.25
PTT Gateway Cradle	0.125	4.4

### CERTIFICATIONS

Aust/NZ, FCC, CE Compliance, Industry Canada

NOTE: Beam Push-To-Talk handsets are specifically designed for Iridium Extreme PTT Service. Beam reserves the right to change specifications at any time without notice.

## Optional Accessory



Secondary Wireless Handset (PTT100A)

The Beam Secondary Wireless Handset (PTT100A) allows additional wireless handsets to be operated in conjunction with the PTT-W1A main Push-To-Talk handset and base. It is possible to connect up to 2 handsets for use simultaneously via one gateway. This unique feature enables multiple handsets to run off one base unit and antenna, additionally once a secondary handset is connected, this allows both users to communicate privately to each other locally through the Talkaround function.