

# FLIGHTCELL SATELLITE PHONE CRADLES

FOR IRIDIUM 9555 AND EXTREME



- + Mil Spec
- + Rugged aluminium construction
- + Intelligent digital/analogue interface
- + Supports remote voice & data connections

***Flightcell***<sup>®</sup>

ALWAYS CONNECTED.

[www.Flightcell.com](http://www.Flightcell.com)

Flightcell International develops advanced cradles for the Iridium 9555 and Extreme satellite phone handsets. Integrate your satellite phone service into your aircraft communications system to provide voice, data and tracking, or mount your phone in a vehicle or boat.

## RUGGED CONSTRUCTION FOR DEMANDING APPLICATIONS

Built to last with a solid alloy body that's as tough as you can get, Flightcell cradles are rated to over 16G for the extremes of aviation use. You can be sure that your Iridium 9555 or Extreme handset will stay put in the toughest situations, in the air, on land or at sea.

Flightcell cradles have been designed to meet the strict certification requirements of the US Department of Defence for aviation use and to meet RTCA-DO160G vibration and EMC standards.

## EASY TO USE

Flightcell Iridium phone cradles combine strength with ease of use. To mount the phone, just clip it into place and push back to mate the antenna. To release, simply flip up the retaining latch (9555) or push the release button (Extreme) and your phone is portable again.

## FULLY CONNECTED

Flightcell cradles are provisioned with antenna, power, audio and data connections. The power supply operates on 12-32V DC and is designed to minimise audio interference from your aircraft or vehicle system, particularly important in aircraft with 400Hz 28 VDC systems.

Flightcell cradles can be used with the Flightcell DZMx to integrate your satellite phone service with the aircraft audio system, and aircraft tracking and satellite data.

As a stand-alone installation, the cradle can be connected to the aircraft audio system using the optional Flightcell Versatile Audio Module (VAM) to provide a basic audio connection.

## INTEGRATING YOUR IRIDIUM PHONE INTO YOUR AIRCRAFT

When installed with the Flightcell DZMx, your Iridium phone can be mounted out of the way anywhere on the aircraft. Calls are dialed from the DZM keypad with audio delivered via your audio panel/ICS.

The DZMx can also use your Iridium phone to provide a data connection and to transmit aircraft tracking data.

For further information on Flightcell DZM please visit our website: [www.flightcell.com](http://www.flightcell.com)

## DIGITAL VOICE ENHANCEMENT

Flightcell Iridium cradles can provide both analogue and digital voice connections to suit your installation. The digital connection provides significant improvements in audio quality.



## CRADLE SPECIFICATIONS

### MATERIAL

Machined from aluminium 6061

### ELECTRICAL

Input voltage 12 - 32V DC

Power supply current 500mA@28V

MIC audio 20mVrms to 1.15Vrms, 775mV nominal

Input impedance 600Ω

9555

Extreme

SPKR audio 775mVrms nominal, up to 1.15Vrms

775mVrms nominal, up to 1.75Vrms

Output impedance 600Ω

Satphone data RS232 levels, 9600bps

### CONNECTORS

Main connector on cradle DB25 male

Antenna connector TNC

### DIMENSIONS

	9555	Extreme
Width	70mm 2.76"	66mm 2.60"
Depth	65mm 2.56"	60mm 2.36"
Height	<b>Including satphone</b>	
	236mm 9.30"	245mm 9.64"
	<b>Excluding satphone</b>	
	222mm 8.74"	223mm 8.76"
<b>WEIGHT</b>	<b>Including satphone</b>	
	956g 33.7oz	900g 31.7oz
	<b>Excluding satphone</b>	
	680g 24.0oz	660g 23.3oz

**Flightcell**

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Manufactured and distributed by:  
Flightcell International Ltd  
PO Box 1481, Nelson 7015, New Zealand

Phone + 64 3 545 8651  
Email: [info@flightcell.com](mailto:info@flightcell.com)  
Web: [www.flightcell.com](http://www.flightcell.com)