

NEW

DZMx IRIDIUM® PTT

FAST, SECURE ONE-TO-MANY
COMMUNICATIONS AT THE
TOUCH OF A BUTTON.



Flightcell

www.flightcell.com

Iridium® Satellite Push-to-Talk from the Cockpit.

Global Push-to-Talk with DZMx

Flightcell DZMx, the world's smallest, lightest, toughest and smartest satellite and cellular communications system - now with Iridium® Satellite Push-to-Talk (PTT).

DZMx's Iridium® PTT functionality provides a global one-to-many capability that is fast and secure. Aircraft with PTT capable DZMx can talk to:

- Other aircraft with DZMx PTT
- Personnel on the ground using Iridium® Extreme PTT handsets
- Command posts with DZMx PTT ground stations
- Vehicles with DZMx PTT.

These capabilities are ideally suited to the military, first responder units and search and rescue teams.

Flightcell DZMx switches between PTT and phone modes with the push of a button. DZMx supports aircraft tracking in both phone and PTT modes. PTT will be supported on both the current Iridium® network and Iridium® NEXT.

Coverage areas, device security and talkgroup configuration are adjusted using a web-based Iridium® PTT Command Center tool that simplifies support and maintenance of devices deployed in the field.



DZMx provides:

- ▶ Dual mode phone and PTT capability
- ▶ Rapid switching between phone and PTT mode
- ▶ Automatic registration
- ▶ Fast talkgroup selection
- ▶ Talker ID

DZMx SPECIFICATIONS

ELECTRICAL		MATERIALS		WEIGHT		
Input Voltage	12 – 32VDC	Aluminium 6061		580-720g (1.21-1.59 lbs) depending on configuration		
Power Supply Current	~1A @ 28VDC	CONNECTORS		DATA INTERFACES		
ICS to DZM Audio	Input Levels	Mounting fasteners:	DZUS or M5	Interface	Description	
	Input impedance	Main connector:	1 x D25 male plus 1 x D25 female or 1 x D38999 male (military versions)	RS232	3-wire serial port	
Microphone bias voltage	775mVRMS nominal	Antenna connectors:	Transceivers TNC	RS-485/422	4-wire serial port	
	Output levels	GPS: BNC		USB-via D25 or D38999	DZMx is USB Host	
DZM to ICS Audio	Output impedance	DIMENSIONS		10/100 ethernet	Ethernet port	
Backlighting Control	150Ω		DZUS mount	General purpose inputs	5 (3 x digital, 2 x analogue)	
	AC/DC, 0 - 32V	Faceplate width:	146mm	5.75"	158mm	6.22"
Backlight colour	Green 520nm.	Body width:	126mm	4.96"	126mm	4.96"
	Designed for NVIS compliance.	Faceplate height:	57mm	2.24"	60mm	2.36"
GPS	Antenna bias voltage	Body height:	54mm	2.13"	54mm	2.13"
	Antenna current	Depth (front to rear faces):	110mm	4.33"	110mm	4.33"
	Sensitivity	DO-160G CERTIFICATION		Env.Cat [(A2)(B2)(F1)]BAB[UG]HXXXXXZA[AC][SS]MXXXXXXAC		
	Time to first fix	ENVIRONMENTAL		Built to: IP54 (Civ), IP65 (Mil)		
	26s			Operating temperature: -40°C to 70°C		

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ALWAYS CONNECTED.