

# GUARDIAN | 5

## Portable, Real-Time Connectivity

The GUARDIAN 5 provides global, real-time Automated Flight Following (AFF) and Two-Way Text Messaging. As a stand-alone system, it can be moved from aircraft to aircraft with no need for an STC.

Regular position reports are sent automatically, at a user-defined rate. MARK and ALERT reports can be sent by pressing the dedicated buttons. Text messages, either preformatted or free form, are sent in real-time.

If Automated Flight Following (AFF) or two-way text messaging between the ground and the flight crew is required, the GUARDIAN 5 is the solution.

Regular AFF reports provide position, altitude, speed, track and time and you can select the report time intervals. An authorized user on the ground can view the position reports for the current flight or select a past flight to view an historical track on an interactive map.

The MARK button allows the pilot to instantly mark a waypoint and send the position in a special report to the ground.

The ALERT button allows the pilot to send an immediate position report with an Alert status to the ground. Periodic position reports are sent at a faster, user-selectable rate until the ALERT is cancelled.

The ground or the pilot can enter free-form text messages of up to 150 characters and send them immediately. Alternatively, the pilot can select any one of 99 canned messages.

The easily portable GUARDIAN 5 is the optimal solution for your AFF and messaging needs.



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## SPECIFICATIONS

<b>PHYSICAL</b>	Size:	W 125 mm x H 75 mm x D 48 mm (W 4.92 in x H 2.95 in x D 1.89 in)
	Weight:	350 g (0.77 lbs) excludes optional mounting bracket
<b>ENVIRONMENTAL</b>	Operating temperature:	-20 Deg C to +55 Deg C (-4 Deg F to +131 Deg F)
	Storage temperature:	-40 Deg C to +80 Deg C (-40 Deg F to +176 Deg F)
<b>POWER</b>	Internal Battery:	Rechargeable 7.4 V Battery typ. 15 hours before recharging Charging via USB port
	Power Consumption:	Max 12 W (transmit) Typ. <1 W (display on)
<b>CONNECTORS</b>		1 x Mini-A USB (charging) 2 x SMA (GPS, Iridium Antennas)
<b>USER CONTROLS</b>	Power Rotary/Push (select/activate) 3 Soft Keys ALERT and MARK keys	
		7.2 cm (2.8 in) color LCD, new message received LED
<b>TRACKING REPORTS</b>		Configurable Position and Manual Position updates
<b>MESSAGES</b>		Preformatted (up to 99) & Free Form Text messages (up to 150 characters each message)
<b>COMMUNICATION</b>		Iridium 9602 SBD Modem using short message service
<b>ANTENNAS</b>		External patch antennas (GPS, Iridium)
<b>GPS</b>		48 Channel ultra high tracking sensitivity (-163 dBm) receiver