

## AVIATOR WIRELESS HANDSET

Form, Function & Freedom



**The Thrane & Thrane AVIATOR Wireless Handset gives you the freedom to stay connected while in-flight. Designed specifically for aeronautical satcom applications, the AVIATOR Wireless Handset delivers multi-function features all in an easy-to-use, lightweight and compact package. The unit is charged with a built-for-purpose Charging Cradle, installed in the aircraft cabin and powered by the aircraft's own power supply. Thrane & Thrane's advanced engineering allows the handset to provide up to 6 hours of active talk time on a single charge.**

### **Convenience & Control**

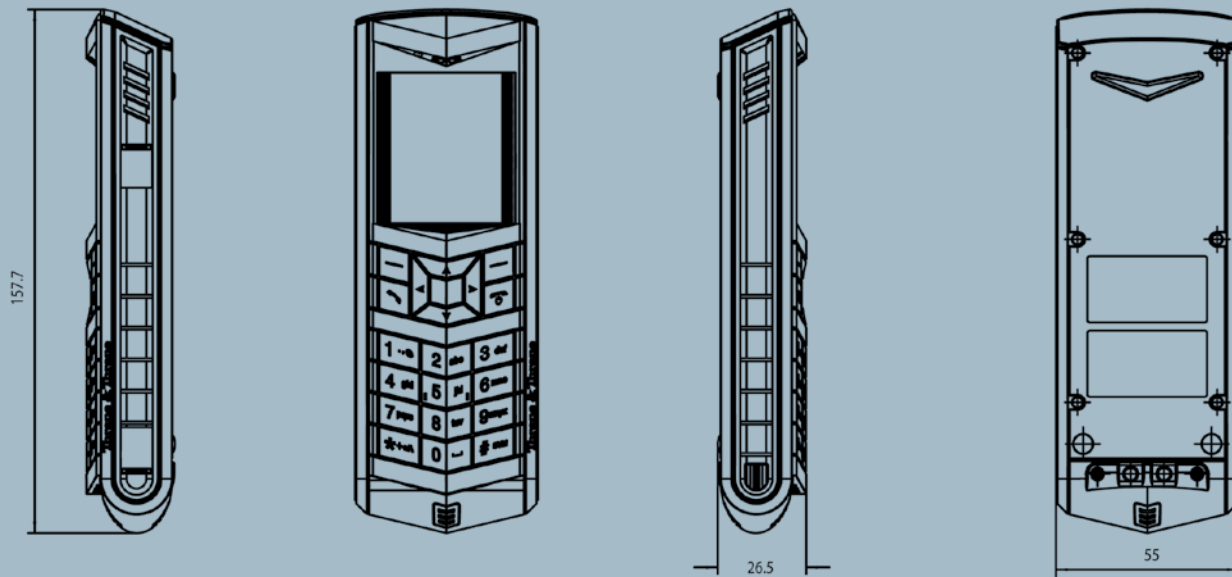
The AVIATOR Wireless Handset is capable of transforming Thrane & Thrane SwiftBroadband terminals into highly flexible, multi-station voice and data solutions. The physical design combines form and function, resulting in a truly next generation handset.

Make phone calls over an IP based network by connecting via wireless access point to the SwiftBroadband satcom system. The handset complies with the Wireless Local Area Networking (WLAN) standard 802.11b/g. VoIP calls can be terminated in the SIP server of the Swift Broadband Unit of the satcom system, or they can travel as an IP call over satellite and be terminated by an SIP server at the receiving end.

Focus on the user and the features they need is achieved through a highly intuitive user interface, tactile controls and the 2.2" TFT color screen, while technology such as a state-of-the-art echo canceller and noise suppression software ensures unmatched audio quality.

### **AVIATOR Wireless Handset features**

- Voice communication over IP based network
- Noise cancellation system
- Echo cancellation system
- Secure communications
- Automatic power-up and power-down
- Li-Ion battery for extended talk and standby time
- Headset connection (3.5 mm Jack connector)
- Adjustable keypad backlight
- Display of alarms of the SwiftBroadband Unit
- High quality color TFT display with night colors



## AVIATOR WIRELESS HANDSET

### Specifications

Certifications	FAA PMA 8130-3
DO-160F string:	[A4X]CXB[SB2M]XXXXXXA[(AX)(BX)]A[RB] [ZC][RS]M[XXXXX][XXXX]XAX

### Protocols

Wireless network interface	Wireless Local Area Network (WLAN) according to 802.11b/g
Network protocol	Internet Protocol (IP)
Encryption (VoIP protocol)	SRTP (RFC 3711), ZRTP (ID ver. 3)
Voice Codecs	G.711 and G.729 A/B
VoIP Protocol	SIP v2 Session Initiation Protocol (RFC3261), SDP (RFC2327)

### Interfaces

Physical interfaces	Headset 3.5 mm Jack plug Mini-USB 5-pin (service use only)
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### Environmental Conditions

Storage temperature	Long term (>6 months) -20°C to +25°C Short term (<6 months) -20°C to +45°C
Operating temperature	-15°C to +45°C
Protection category	IP54, dust proof and splash proof
Air pressure, transport	4572m AMSL
Handset charging temperature	5°C to 30°C
Temperature, transport	-25°C to +55°C
Humidity	Up to 95% without condensation

### Features

Display	2.2", 240 x 320 pixel TFT color LCD
Battery	Li-Ion 1880 mAh
Charge power (in cradle)	Nominal: +28V DC, 6 Watt max
Standby time	Up to 30 hours
Talk time	Up to 6 hours

### Dimensions and Weight

Dimensions (L x B x H)	5.98"x2.17"x1.04" (152 mm x 55 mm x 26,5 mm)
Weight	Max. 0.461 lbs (210 g)