

COBHAM

Thrane IP Handset

User manual



Introduction

Welcome

Congratulations on the purchase of your IP Handset!

The IP Handset communicates using Voice over Internet Protocol (VoIP), which means that voice conversations are routed over the Internet or through an IP-based network.

Your IP Handset

Functions

The IP Handset is used for making phone calls over an IP based network.

The IP Handset has some BGAN terminal control functions. If configured as handset with the local number 0501, you can use the handset to start and stop data connections (background or streaming) for all network user groups.

To improve overall system overview the IP Handset displays active, critical alarms from the BGAN terminal to keep you informed about the status of the BGAN terminal.

The handset is designed specifically for use in harsh environments and it is dust proof and splash proof. Excellent sound quality is achieved by including an efficient noise



suppression software. On the large 2.2" color TFT screen, a graphical user interface provides easy access to all functions including contacts and settings. The user interface also provides direct access to certain features of a connected BGAN terminal.

When used with a BGAN terminal and a SAILOR 3771 Alarm Panel, the IP Handset can be used as a designated handset for Voice Distress and urgency calls.

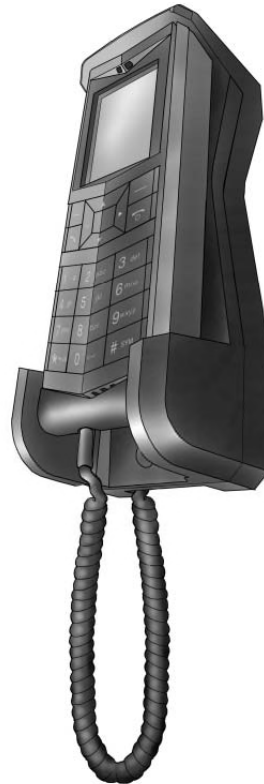
The IP Handset

The IP Handset is powered directly from the LAN interface using Power over Ethernet (PoE), so an external power supply is not needed.

The TT-3670A Thrane IP Handset & Cradle, wired, includes the following main units:

- TT-3672A Thrane IP Handset, wired
- TT-3674A Thrane IP cradle, wired

The IP Handset connects to the cradle with a coil cord. The cradle connects with a fixed LAN cable to a LAN port with PoE, for example in a BGAN terminal (Broadband Global Area Network) for satellite communication.



Features

The IP Handset offers the following features:

- Plain voice communication over Internet or IP based network
- Start and stop IP data connections in a connected BGAN terminal
- Contacts list with up to 100 entries
- Intuitive user interface and menu system
- Built-in web server
- High quality color display QVGA with night colors
- Rugged but elegant design
- Splash proof and dust proof
- Connectivity to Broadband Global Area Network (BGAN) terminal
- BGAN menu to display BGAN terminal type, GPS position and more
- Display of critical alarms from the BGAN terminal
- Use as Distress IP Handset together with BGAN terminal and SAILOR 3771 Alarm Panel

Technical specifications

This appendix contains specifications and outline drawings for the IP Handset and cradle.

IP Handset specifications

Item	Specification
Type	TT-3672A Thrane IP Handset, wired
Dimensions (L x B x H)	152 mm x 55 mm x 26.5 mm
Weight	190 g ±20 g (without cable)
Display	2.2", 240 x 320 pixel TFT color LCD
Operating temperature	-25°C to +45°C
Storage and transport temperature	-25°C to +55°C
Humidity	Up to 95% without condensation
Air pressure, transport	4572 m AMSL
Power	Power over Ethernet (PoE) class 2 (Alternative B of IEEE802.3af is not supported.)
Power consumption	Max. 7 Watt
Protection category	IP55, dust proof and splash proof
LAN interface	10/100 Mbps
Network Protocol	Internet Protocol (IP)

Appendix A: Technical specifications

Item	Specification
VoIP Protocol	SIP v2 Session Initiation Protocol (RFC3261), SDP (RFC2327)
Voice Codecs	G711 and G729
Physical interfaces	RJ-45 male connector on fixed cable Headset 3.5 mm SMT phone jack Not currently used: Mini-USB 5-pin
Certifications	FCC, CE
Compass safe distance, combined handset and cradle	80 cm @5,4° flux of 0,094 uT and 55 cm @18° flux of 0,313 uT



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