

LT-3100 SYSTEM

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LT-3100 SATELLITE COMMUNICATIONS SYSTEM

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Thrane

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designed and built for the demanding and rough environment at sea



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LT-3100 IN SHORT

- Voice, SMS, Data, and Vessel tracking
- •2.4 Kbit/s and 10 Kbit/s compressed data
- Programmable softkeys for e.g. Emergency Service
- Single antenna cable solution (up to 500 m)
- High-performance GNSS/GPS receiver
- High quality microphone and equalizer for improved audio quality
- Bluetooth interface supporting voice, SMS, and data

- Large 4.3" TFT display supporting day and night modes
- Voice prompt audio feedback
- Firewall and user authentication for high level of security
- Webserver for configuration and maintenance
- Support external LAN Wi-Fi Access Points
- Support external SIP PABX and SIP handsets
- Connectivity of Smartphones, Softphones, and Apps

PRODUCT DESCRIPTION

100% GLOBAL COVERAGE



PRODUCT FEATURES

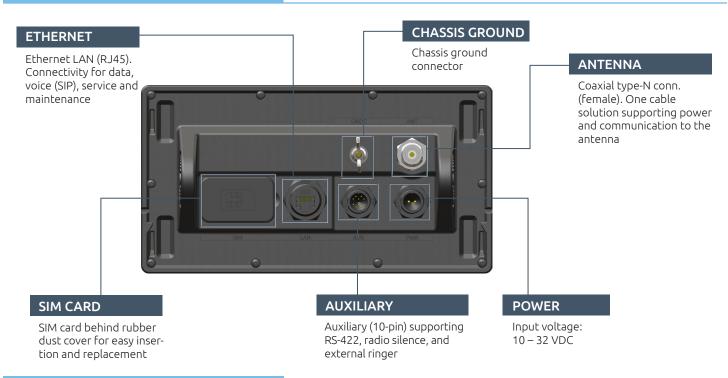


The LT-3100 Satellite Communications System is a maritime satellite communication product from Lars Thrane A/S. The LT-3100 system is designed for the professional market (deep sea, fishing, and workboats), but can be used for the leisure market as well. The LT-3100 system meets all standards and certification requirements needed for worldwide maritime satellite communication equipment.

The LT-3100 system has voice and data capabilities with 100% global coverage provided by the Iridium® Communications Network. The LT-3100 system consists of a control unit, antenna unit, handset and cradle. A single coaxial cable connects the control unit with the antenna unit. Using a standard coaxial cable, up to 500 meters of separation between the units can be obtained, giving freedom to mount the antenna unit in the best possible location, with free line of sight to the satellites.

The LT-3100 system can be used as the primary satellite communication product on vessels, covering the basic communication needs in terms of connectivity between the ship and shore. In addition, the LT-3100 system can be used for crew calling or as back-up satellite communication product. The LT-3100 system provides voice, SMS, data, vessel tracking, and other Iridium services with competitive airtime rates, making it the perfect satellite communication product on board any vessel.

INTERFACES



INSTALLATION OPTIONS

ANTENNA MOUNTING KITS



Pole Mount (1.5" tube), Antenna Unit



Bracket Mount (1.5" to 2.5" tube), Antenna Unit

CONTROL UNIT MOUNTING KITS

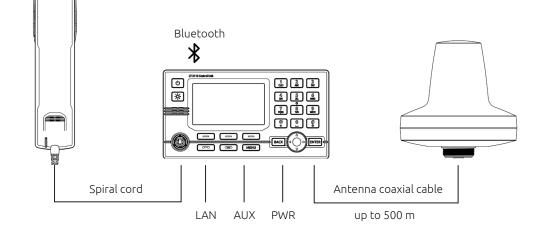


Bracket Mount, Control Unit



Flush Mount, Control Unit

SYSTEM CONFIGURATION



SPECIFICATIONS

LT-3100 SATELLITE COMMUNICATIONS SYSTEM

Certification & standards

Vibration, operational

Vibration, survival Vibration, shock Power consumption: operating mode, max Power consumption: standby mode, max Power consumption: sleep mode, max

LT-3110 Control Unit

Weight Dimensions Temperature, operational IP rating, dust and water Interfaces

Input voltage Compass safe distance, std. and steer.

LT-3120 Handset

Weight Dimensions Temperature, operational IP rating, dust and water Compass safe distance, std. and steer.

LT-3130 Antenna Unit

Weight Dimensions Temperature, operational IP rating, dust and water Interfaces Compass safe distance, std. and steer.

Antenna communication cable Coaxial cable, up to 500 m (1500 ft) Warrantv 2 year Maintenance None

IN THE BOX

P/N: 51-100987
P/N: 51-100988
P/N: 51-101181
P/N: 51-100989
P/N: 91-100771
P/N: 91-100767
P/N: 95-100765

CE, RED, IEC 60945, IEC 60950, FCC, IC, RoHS, Iridium® Communications Inc. IEC 60945 (sine) & proprietary Maritime Random profile

Proprietary Maritime Random profile Proprietary Maritime profile (20 g, 11 ms) 22 W 14 W 0.08 W

658 g (1.45 lbs)

224.0 x 120.0 x 70.0 mm (8.82 x 4.72 x 2.76 in) -15°C to +55°C (+5°F to +131°F) IP31 (front) / IP30 (back) Ethernet, auxiliary, DC input, chassis ground N conn. (female), handset, Bluetooth, SIM card 10 - 32 VDC 0.3 m (1 ft)

290 g (0.64 lbs)

0.3 m

208.8 x 52.8 x 38.2 mm (8.22 x 2.08 x 1.50 in) -15°C to +55°C (+5°F to +131°F) IP30 0.3 m (1 ft)

687 g (1.51 lbs) 151.1 x Ø 149.5 mm (5.95 x Ø 5.89 in) -25°C to +55°C (-13°F to +131°F) IP67 N conn. (female)

mm

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ACCESSORIES	
Flush Mount, Control Unit	P/N: 91-100772
Bracket Mount (1.5" to 2.5" tube), Antenna Unit	P/N: 91-100773
Pole Mount (1.5" tube), Antenna Unit	P/N: 91-100774
Aux Cable, 3m	P/N: 91-100768
Coaxial Cable Ø4.9mm, 10m and 25m	
Coaxial Cable Ø10.3mm, 10m, 25m, and 50m	
Crimping Tool for Coaxial Cable Ø4.9mm and Ø10.3mm	



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