

Maritime

Product catalogue





Performance for Life

Safe Journey!

Introduction

Jotron offers an extensive and flexible range of safety products within GMDSS and AIS. The Jotron GMDSS product group and the AIS Class A transponder, have been carefully designed and built for harsh maritime and offshore environments. The product portfolio also includes an emergency VHF AM radio.

In 2023, Jotron acquired Jotron Skipper AS (former Skipper Electronics AS). Jotron Skipper is a Norwegian ISO9001:2015 approved manufacturer of IMO wheelmarked echo sounders and speed logs for navigation ([skipper.no](https://www.skipper.no)).

Jotron has years of experience in developing and manufacturing high quality radios for safety communication between coastal stations, ships and offshore installations - and for radio communication between offshore installations and helicopters. Jotron Ricochet is a synchronised record and replay system for aviation and marine safety. The Ricochet SmartOil system has been developed exclusively to record small offshore air traffic control operations.

Tron SA20 PLB

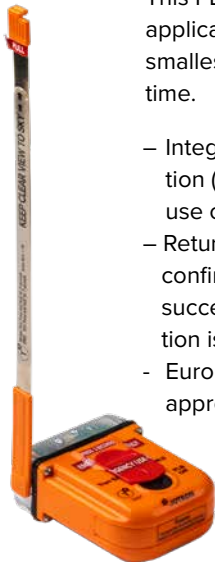


Tron SA20 PLB is a personal locator beacon with global emergency alert coverage.

Tron SA20 PLB is a 406MHz Cospas-Sarsat approved personal emergency device which is developed and designed in accordance with the latest PLB standards.

This PLB can be used in worldwide offshore (maritime) and onshore (land based) applications. Tron SA20 PLB has a rugged and compact design. It is one of the smallest 406MHz lifesaving devices on the market and offers a 11 year battery life-time.

- Integrated Near-Field Communication (NFC) for easy status readout by use of a smartphone
- Return Link Service (RLS) feedback confirms that your distress signal is successfully received and your location is determined
- European RED, CE, FCC and IC approved



Tron 60AIS

EPIRB with float-free and manual bracket

Tron 60AIS is compliant with the mandatory International Maritime Organization (IMO) regulation (as of July 2022) and Safety of Life at Sea (SOLAS) regulation.

- Approved in accordance with the latest EPIRB standard
- AIS homing technology included for faster localization
- Prepared for RLS through Galileo GNSS
- IR LED light for night vision devices and assisted SAR
- 11 year and 3 month total battery lifetime
- 5 year warranty
- NATO Stock Number: 5820251632448
- FCC, CCS, MED, MER, ANATEL and IC approved
- Smartphone programming



Tron 60GPS

EPIRB with float-free and manual bracket

Tron 60GPS is a small, compact and sealed EPIRB with an antenna mounted LED for increased visibility.

- Operates on the COSPAS-SARSAT frequency (406 MHz). Identification and positioning via satellite. Also transmits on the air traffic emergency frequency (121.5 MHz) for homing
- Service stations worldwide
- 5 year warranty
- NATO Stock Number: 5820251609914
- FCC, IC and RED approved



Tron 40AIS

EPIRB with float-free bracket

The Tron 40AIS is compliant with the mandatory IMO regulation (as of July 2022) and SOLAS regulation.

- Approved in accordance with the latest EPIRB standard
- AIS homing technology included for faster localization
- Prepared for RLS through Galileo GNSS
- IR LED light for night vision devices
- and assisted SAR
- Available with float-free heating bracket
- 5 year warranty
- FCC, MED, MER and IC approved
- Smartphone programming



Tron AIS-SART

Tron AIS-SART is a GMDSS AIS transmitter. It is designed for use during search and rescue operations, providing exact location specifics with GPS precision.

- Position updating (per minute)
- VHF signals are transmitted on AIS Channel A and B
- Service stations worldwide
- 5 year warranty from factory
- NATO Stock Number: 5840251607403
- Complies with IMO, SOLAS and GMDSS regulations
- CCS, FCC, MED and MER approved



Tron SART20

Tron SART20 is a GMDSS radar transponder (9 GHz) designed for use during search and rescue operations. The exact location is supplied based on a distress level appearing on the radar X-band display of nearby ships, SAR vessels and aircrafts.

- Service stations worldwide
- 5 year warranty from factory
- NATO Stock Number: 5840251607403
- Complies with IMO, SOLAS and GMDSS regulations
- CCS, FCC, IC, MED og MER approved



Tron 40VDR AIS

Tron 40VDR AIS is a combined COSPAS-SARSAT/MED approved EPIRB and a float-free storage medium.

The separate VDR storage module has a standardized memory capacity of 80 Gb. Smartphone programming. This EPIRB is compliant with the mandatory IMO regulation (as of July 2022) and SOLAS regulation. MED, MER, FCC and IC approved.



Tron TR30 GMDSS and Maritime VHF radio

Tron TR30 GMDSS and Maritime VHF Radio is an innovated “two-in-one” radio, which gives the user the opportunity to access both standard GMDSS simplex channels and full maritime duplex channels.

- A floating GMDSS and maritime VHF radio
- Full duplex channels accessed with rechargeable battery
- Preset emergency mode when connected to primary battery
- Support the latest regulations for 4 digits display channel view
- Programmable private channels
- Excellent microphone noise cancelling
- Waterproof accessories
- NATO Stock Number: 5820251625148
- Complies with IMO, SOLAS and GMDSS regulations
- Anatel, CCS, RED, CE, IC, FCC MED and MER approved



Tron TR30 AIR Emergency VHF AM radio

Tron TR30 AIR Emergency VHF AM radio is the only approved emergency VHF AM radio in compliance with SOLAS 74 reg. IV/7 MSC 80 (70).

- Required by:
- SOLAS passenger vessels
 - Part of the MODU fleet (Mobile Offshore Drilling Units)
 - Polar Coded vessels
- Features:
- User-friendly design
 - Optimized sound quality, noise cancelling microphone
 - Waterproof and floating with either battery, IP67
 - FCC, RED, MED, and MER approved



Tron AIS TR-8000 MkII Class A

This enhanced AIS is tested and approved for use on inland waterways and complies with Bridge Alert Management (BAM) standards. Tron AIS TR-8000 MkII has a separate display and transceiver unit with a compact design for easy installation.

- Complies with BAM standards (IEC 62923-1:2018, IEC 62923-2:2018)
- Supports new requirements for AIS Class A (IEC 61993-2:2018)
- 7” high-resolution touch screen, IP54
- Dual display solution
- External interface cables are connected inside transponder unit
- Simple installation and easy retrofit
- FCC, MED, MER and ANATEL approved



Helicopter communication

Jotron's VHF digital radios are intended for rack mounting at airports as well as on-board ships, oilrigs and helidecks. This radio is reliable, easy to operate and offers safe and easy ground to air communication.

- Excellent RF performance in congested areas
- Advanced digital signal processing (DSP)
- Remote control through Ethernet
- Easy set-up and control
- AM and VDL mode 2 operation
- Compact design
- In-band signalling for PTT and squelch
- Continuous duty cycle
- Offset carrier
- VoIP according to ED-137
- Start-up time < 10 seconds
- Parallel operation (analogue and VoIP interfaces)



TR-7750 VHF radio

The TR-910 Multipurpose VHF Airband Radio is a compact, high-quality radio available in a variety of configurations to meet the high demands of the ATC and oil and gas industries where there is need for a small, rugged, and durable radio unit.

The radio has an all-metal housing, making it very robust but still light enough to be carried as a manpack. It is a fully solid-state design based on the Jotron 7000-series Software-Defined Radio (SDR) concept, making it very versatile, future proof and firmware upgradeable. It also includes a LAN interface for remote configuration and digital recording and is fully ED-137 compliant with the VoIP option enabled.



TR-910 Offshore Radio



TR-910 Subrack Radio

TR-910 Offshore Radio includes a standard DIN-flange for console mounting. Custom-made flanges are available on request. The radio integrates easily with all Jotron Ricochet recorder systems including SmartOil. TR-910 Subrack Radio is available for installation into existing 19-inch equipment racks or control room consoles. The radio is approved according to ETSI, FCC and marine standard for offshore.

Coast to ship communication

The VHF Coastal radio is for coastal stations and offshore installations requiring high quality FM voice and digital selective calling (DSC). The radio is intended for use primarily as a coastal station providing communication between coast and ships.

Jotron radios have a worldwide reputation for outstanding performance in harsh environmental conditions. The mechanical design of the VHF Coastal radio transceiver is based on the well proven Jotron VHF and UHF radios.



TR-7750C radio

Radio remote controller

RRC-7700 is a touch screen VoIP based remote system that operates multiple transceivers from a single remote position.

RRC-7700 is a proven, cost effective, module-based solution with a wide range of applications. It accommodates both small and medium sized airports, emergency systems, last resort solutions, portable shelters, ports and towers. The various mounting arrangements make the system highly scalable and flexible with regards to installation options.



Aviation and marine safety recording

Ricochet Safe Maritime ATC Recorder Technology - Offshore Industrial Level (SmartOil) is designed for small onshore and offshore ATC operations.

SmartOil is designed for small onshore and offshore ATC operations. It records up to 8 analogue audio channels, 22 digital audio channels via VoIP (ED-137) and up to 6 CCTV cameras. The recorder allows an operator to install, operate, maintain and replay all recorded data. Replay of one or more channels is done within seconds by a simple click. At least 31 days of recorded data can be accessed online.



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