

Maritime and Energy

Product catalogue



Introduction

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

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 recording 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 60S/GPS

The Tron 60S/GPS is a GMDSS EPIRB. It is small, compact and sealed. Optimal visibility is achieved with high intensity LED, located at the top of the antenna.

- 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
- The EPIRB is supplied with either a manual or float-free bracket
- 5 year warranty from factory
- Complies with IMO and SOLAS regulations and is Anatel, CCS, FCC, IC, MED and RMRS approved
- Service stations worldwide



Tron 40S/MkII

The Tron 40S MkII is a GMDSS float free satellite EPIRB. It is compact and designed with flexible mounting for fast and easy service and maintenance.

- 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
- Optional float free bracket with protective cover
- 5 year warranty from factory
- Complies with IMO/SOLAS/GMDSS regulations and is Anatel, CCS, FCC, IC, MED, RMRS and RRR approved
- Service stations worldwide



Tron AIS-SART

Tron AIS-SART is a GMDSS search and rescue 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
- 5 year warranty from factory
- Complies with IMO/SOLAS/GMDSS regulations and is Anatel, CCS, FCC and MED approved
- Service stations worldwide



Tron SART20

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

- 5 year warranty from factory
- Complies with IMO/SOLAS/GMDSS regulations and is Anatel, CCS, FCC, IC, MED, RMRS and RRR approved
- Service stations worldwide



Tron 40DR – Float Free Capsule

Tron 40VDR Float Free Capsule is a combined Cospas-Sarsat and MED approved float-free EPIRB and a float free storage medium. The Tron 40VDR Float Free Capsule complies to the latest VDR performance standards IMO MSC.333 (90), IEC61996-1 Ed.2 and IEC61097-2. USCG and is FCC approved. The separate VDR storage module contains a standardized memory capacity at 64 GB.



Tron TR30 GMDSS and Maritime VHF radio

The 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.

- Floating GMDSS and maritime VHF radio
- Full duplex channels accessed with rechargeable battery reset emergency mode when connected to primary battery
- Excellent microphone noise cancelling
- Waterproof accessories
- Complies with IMO/SOLAS/GMDSS regulations and is Anatel, CCS, RMRS, RED, IC, FCC and MED approved



Charger



Emergency battery



Rechargeable battery



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 under all conditions - for transmission as well as reception
 - Waterproof and floating with either battery (IP67)
 - FCC, CE, RED, MED-B, RMRS and ANATEL approved



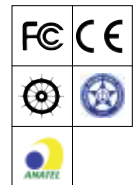
Radio holder



Emergency battery



Test battery



Tron AIS TR-8000 (Class A)

The Tron AIS TR-8000 has a separate display and transceiver unit, with a compact design for easy installation. It includes a combined junction box, a transceiver unit and display rated to IP54.

- 7” touchscreen
- ECDIS interface
- Console or desktop mounting
- Optional pilot plug available
- Software upgradable
- Approved according to ITU 1371-5, IEC –61993-2 ED. 2,0, 2012. MED, FCC, CCS and Anatel



Tron ML-series - High intensity LEDs

The Tron ML-series has a user-friendly module-based construction, making all products easy to service and repair. The series has high intensity LEDs with several enhanced features implemented. They can be activated through programming of:

- Light-intensity
- Flash-rate
- Synchronization (and master/slave)
- Daylight switch (with adjustable ambient light level for ON/OFF)
- Tron ML-100 is powered by 3 Alkaline D battery cells, total of 4.5 VDC
- Tron ML-200 is powered by a special high capacity battery pack at 4.5 VDC
- Tron ML-300 uses external 10-27 VDC
- Tron ML-100: NATO Stock Number (NSN) 6230251614313
- Tron ML-300: NATO Stock Number (NSN) 6220251209988
- CE approved



Tron ML-100 Tron ML-200 Tron ML-300

AQ-MkII - Strobelight

The AQ-4 MkII is a high quality multi-purpose marking and distress personal strobe-light. It is designed for use in extreme maritime and onshore environments. AQ-4 MkII is developed with high intensity LED. By using the two-way switch, flash or fixed light can be activated. The strobelight is waterproof to 500 meters.

- NATO Stock Number (NSN): 6230251387110
- CE approved



Helicopter communication

The 7000 series VHF radios are reliable, easy to operate and supply the following features:

- Constructed for rackmounting
- Excellent RF performance in congested areas
- Advanced digital signaling technique
- No internal tunable parts
- Multi/single channel VHF/AM Transceiver in 19" sub-rack 3U high
- 99 channel fast recall storage
- IP interface for VoIP, monitoring and control
- 25 (8.33) kHz channel spacing in the band 117.975-137 MHz
- RS-485 serial interface
- Full digital control and diagnostics
- Operates from AC mains with auto fail from 22 to 31V DC



TR-7750 VHF

Helicopter communication

The TR-810 is a lightweight, rugged and flexible radio with:

- Detachable Operator Control Panel (OCP)
- Communication between the two units via standard CAT-5 cable
- Ability to detach OCP and base allows for three main user applications



TR-810 OF

Maritime and coastal radio station and remote controller

The VHF Coastal radio is used primarily as a coastal station, providing communication between a station and ships. This radio can also be used for offshore installations. It supplies the following features:

- High quality FM voice and digital selective calling (DSC)
- Jotron's worldwide reputation for outstanding performance in harsh environmental conditions
- Well proven mechanical design of the transceiver (based on the Jotron 7000 series)
- RRC-7700 is a touch screen VoIP based remote system that operates multiple transceivers from a single remote position
- Multiple RRC-7700 operator control positions may use a multiple combination of radios
- Uses IP technology to transfer voice and control data
- IP interface for VoIP, monitoring and control
- 4W E&M interface
- Available as separate receiver and transmitter
- Requires no voice switch and is a stand-alone system
- Cost-effective alternative to conventional voice switches for small and medium installations
- Several mounting arrangements
- Also operates air traffic control (ATC)



TR-7750C



RRC-7700

Recording for small onshore and offshore ATC operations

Ricochet Safe Maritime ATC Recorder Technology - Offshore Industrial Level (SmartOil)

SmartOil is designed for small onshore and offshore ATC operations, recording up to 3 audio channels and 3 CCTV cameras. The recorder allows the operator to install, operate, maintain and replay all recorded data. The system offers instant synchronous replay access and integrated replay and data management. The process is managed with few operations and replay of one or more channels is done by a simple click. 6-12 months of recorded data can be accessed online.

Ricochet SmartOil is tested, verified and can be integrated with TR-7750 and TR-810 Jotron radios. Jotron also offers recording systems for larger operations.



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