

For over 40 years Jotron has been designing and manufacturing maritime communication and safety equipment to the most exacting standards. Designed to operate in the harshest and most rugged conditions, all our products are manufactured to ISO 14001 quality standards to ensure continual controlled performance and are type approved to the widest range of known international standards to ensure suitability to all applications.

All our products are also backed by Jotron's worldwide sales and service organisation where fully trained staff can speedily and competently repair and service the equipment.

For further details of the full range of Jotron's equipment, please visit our website or contact us by email.



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ATC & COASTAL COMMUNICATION

RADIO SYSTEMS

TR-810 VHF/AM MULTI PURPOSE RADIO

The TR-810 is designed to meet future demands for a lightweight, rugged and flexible radio, specially designed for vehicle and desk-top applications. The flexible design is achieved by making the Operators Control Panel (OCP) detachable from the compact base unit. Communication between the two units is via standard CAT-5 cable. By being able to separate the OCP from the base unit, it opens up for three main user applications.

TR-810 variants: Desktop, Vehicle, Last Resort and Man Portable

Areas of use

Fire fighting brigades, petrol trucks, buses, lorries, follow me cars, maintenance personnel, movable air bridges. Offshore: heli deck operations.



7000 COASTAL VHF RADIOS



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

7000 AIRBAND VHF RADIOS



The 7000 series VHF radios are intended for rackmounting at airports as well as on-board ships, oilrigs and helicopter-decks. The radio gives safe and easy ground to air communication. The radio combines excellent RF performance in congested areas, with advanced digital signalling technique, to cover the future radio communication needs for civilian authorities.

Totally controlled by an ultra fast digital signal processor, makes the radio the ultimate choice for all professional ground to air communication, with easy control, no internal tuneable parts and improved reliability. The radios got IP interface for VoIP, monitoring and control as well as a 4W E&M interface. Also available as separate receiver and transmitter.

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ATC & COASTAL COMMUNICATION

RADIO SYSTEMS

7000 AIRBAND UHF RADIOS



Jotron series 7000 UHF digital radios are designed to provide ground to air communication for professional users in the air defence frequency range. The radios provide excellent audio performance together with unmatched RF performance in tough electromagnetic environments. Voice over IP, AM and FM modulation, remote control via SNMP and high MTBF are factors that make this a necessary tool for the professional market.

4000 SERIES UHF/VHF MULTIMODE DIGITAL RADIO



The Jotron 4000 series Multimode Digital Defence Communication Radio is intended for military communication applications. The radio is a multi purpose, multimode radio system covering both VHF and UHF ground to air band. The series 4000 radio system meet the present and future requirements of the ground to air communication. The equipment is highly modular with a construction for very rugged conditions. The modules fit in a standard 19-inch, 3 HU high subrack.

RRC 7700 - REMOTE RADIO CONTROLLER

VoIP based remote system – touch-screen operated. Operates up to 8 Transceivers from a single remote position. Multiple operators may utilize same radios from different positions. Uses IP technology to transfer both Voice and control data. Requires no voice switch – standalone system. Cost-effective alternative to conventional Voice Switches for Small/Medium size installations.



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ATC & COASTAL COMMUNICATION

RADIO SYSTEMS

ICU - INTERFACE CONTROL UNIT

The ICU is intended to provide remote interface for ground station control, thus it has an ethernet connection to facilitate communication. The ICU and all of its functions can be remotely managed over SNMP using the particular MIB. The ICU used as an alarm interface can receive up to 18 digital inputs, 14 analog inputs, 7 current inputs and make this information remotely available.



RACS III

The technical management system (RACS III) is used to monitor, and perform regular control of each individual radio and the complete radio system.



VHF/UHF POWER AMPLIFIERS

The Jotron Power Amplifiers are high performance Power Amplifiers, designed to operate together with the Jotron VHF and UHF airband radios.



Also available

UHF radios, antennas, antenna systems, microphones, filters and multi-couplers, cabinets, headsets, handheld VHF ground to air transceivers, audio and PTT long distance modem and spare parts.

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AVIATION AND MARINE SAFETY RECORDING

RICOCHET RECORDING AND REPLAY

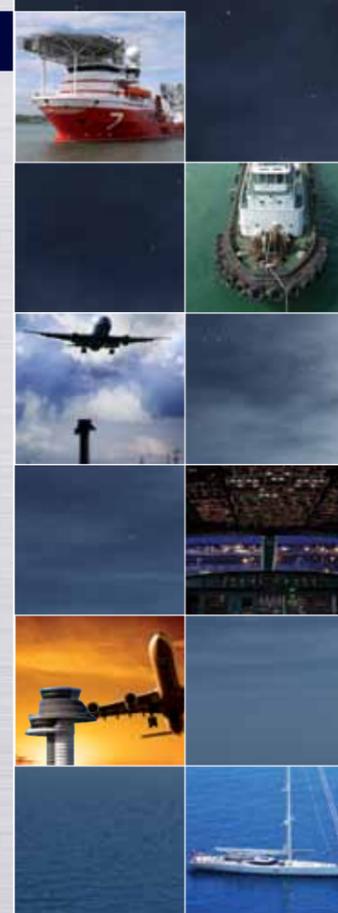
Ricochet recording and replay system captures and replays all data, ready to deliver the total scenario when reconstruction of an incident is imperative.

The unique Ricochet recording technology offers simultaneous recording of digital and analogue communications, CCTV, radar and screen images. The solution enables instant replay and control, and perfect synchronisation of all data. The technology is proven and approved, based on COTS hardware. Ricochet complies with international security standards.

Ricochet has been designed to meet the specific demands of world-wide ATC environments and there are 400 Ricochet systems installed world-wide.



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JOTRON PRODUCTS
MARCH 2013



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YOUR COMMUNICATION PARTNER

MARITIME & ENERGY

MARITIME PRODUCTS

Key elements within Jotron's product range include GMDSS emergency radio equipment, Class A AIS and a unique float-free capsule combined with a sophisticated EPIRB module for storage of voyage data.

Tron 60S

Tron 60GPS

- GMDSS 121.5/406 MHz EPIRB
- Tamper-proof EPIRB
- Free-float or manual bracket
- Non-hazardous battery
- Improved visibility when activated
- 5 years warranty
- Internationally approved



Tron 40S MkII

Tron 40GPS MkII

- GMDSS 121.5/406 MHz EPIRB
- Free-float or manual bracket
- Non-hazardous battery
- Improved visibility when activated
- 5 years warranty
- Internationally approved



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MARITIME & ENERGY

MARITIME PRODUCTS

Tron TR20 GMDSS

- GMDSS VHF radio
- 2 watts RF output
- 21 channels with LCD display
- Only 330 gram including primary lithium battery
- ETS 300-225, waterproof to IP67
- Internationally approved



Tron SART20

RADAR TRANSPONDER

- GMDSS 9GHz Search and Rescue Transponder
- Serviceable "on-board"
- High gain antenna
- Coach roof mounting kit and telescopic pole
- 5 years warranty
- Internationally approved
- Alternative to Tron AIS-SART



Tron AIS-SART

AIS TRANSMITTER

- GMDSS Search and Rescue Transmitter
- Serviceable "on-board"
- Unique combine GPS- and VHF antenna
- Coach roof mounting kit and telescopic pole
- 5 years warranty
- Internationally approved
- Alternative to Tron SART20



Tron AIS TR-8000 (Class A)

- Separate display and transponder unit
- 7" Touch Screen Display
- Easy ECDIS interface
- Software upgradable
- Collision alarms (TCPA, CPA)
- Internationally approved



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MARITIME & ENERGY

MARITIME PRODUCTS

Jotron's product line includes high intensity marking/emergency/survival lights for various personnel applications from hiking to diving, marking lights for fish farms and lifeboats and other floating or submersible objects.



Tron SL-300 series

- Approved according to SOLAS
- Sealed, small and compact
- Battery service life: 5 years (non dangerous goods)
- Self-activated by tilt-switch
- >2 Candela light intensity
- Unbreakable high intensity LED

Tron SL-400 series

- Approved according to SOLAS
- Sealed, small and compact
- 10-30 VDC external power
- Flange mount
- >4.3 Candela light intensity
- Unbreakable high intensity LED



NEW Tron ML-series

General features:

- High intensity LED
- Software programmable light intensity



Tron ML-100, 4.5 VDC, 3 Alkaline D-Cells



Tron ML-300, 12-24 VDC, External power



Tron ML-EI unit, 4.5 VDC and 12-24 VDC

New AQ-4 MK II

- High intensity LED, Alkaline C-cell
- Double switch; Flash & Fixed
- Operation approx. 8 hours with 6Cd light-intensity



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MARITIME & ENERGY

PHONTECH COMMUNICATION SYSTEMS

CIS 3100 - COMMAND INTERCOM SYSTEM

The recently updated Talkback System from Jotron Phontech offers a system which is both flexible and diverse. It comes in 4 versions, CIS 3100 (5 lines), CIS 3101 (10 lines), CIS 3102 (20 lines) and CIS 3130/32. The new concept is the CIS 3130/32 system with 15 Talkback lines and 4 remote lines. Substations for all positions onboard available.



CIS 3100



CIS 3101



CIS 3102



CIS 3130

BTS 4000 - AMPLIFIED BATTERYLESS TELEPHONE SYSTEM

System BTS 4000 is an emergency telephone system without the requirement for any external power supply. All energy required for 4-6 minutes of continuous operation is produced by the call generator. The system is based on three types of units; 4050-single line (direct call), 4060-12 lines version and 4040-24 lines version. Any configuration needs one master telephone with a built-in amplifier, either 4051-single line or 4060-12 line version.



BTS 4060

DICS 6100 - DIGITAL INTEGRATED COMMUNICATION SYSTEM

The DICS integrated communication system is a digital system meeting all aspects of internal communication onboard ships. Based on the latest technology, its flexible configuration is a cost effective solution for Intercom, Telephone Exchange, Public Address and Loudhailing.



DICS 6101

SPA 1500 - PUBLIC ADDRESS SYSTEM

The SPA-1500 system is a standard marine Small Public Address system, especially designed to cover the need for PA and entertainment distribution onboard small and medium size vessels.



SPA 1530

MPA 1600 - PUBLIC ADDRESS SYSTEM

The MPA 1600 is a marine and offshore Public Address System, especially designed to meet the requirements for PA/GA and entertainment distribution onboard ships and mobile offshore units. The system conforms to SOLAS, IMO and IEC regulations.



MPA 1610

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MARITIME & ENERGY

PHONTECH COMMUNICATION SYSTEMS

PAGA 1700 - PUBLIC ADDRESS & GENERAL ALARM

The Phontech 1700 PAGA is designed to meet the tough requirements for PAGA systems to the oil and gas - and other industrial applications, both offshore and onshore. The system will distribute messages and alarms with special focus on ease of operation and safety, speech intelligibility, reliability and fault tolerance. In addition, the system has built in self-test and monitoring functions for easy and cost efficient maintenance.



PAGA 1653



PAGA 1652



PAGA 1700

ICS 6200 - INTEGRATED COMMUNICATION TERMINAL

The new ICS 6200 Integrated Communication System is a digital communication system meeting all aspects of internal and external communication, information exchange onboard



ICS 6200

vessels, offshore installations and to/from onshore operation centres. Based on the latest computer technology, it's flexible configuration is a cost effective solution for Intercom, Telephone, Public Address, Alarm, Loudhailing and Entertainment. The modern architecture allows for network connection including cascading, remote service and interface to/from other IP based systems and components. Several new functions introduced including Direct Inward System Access and Distributed Universal Number Discovery. The new ICS 6200 is compatible with all existing DICS stations available. Thus, ICS 6200 offer a unique combination of analogue, digital and IP based communication terminals.

SR 8300 - SOUND RECEPTION SYSTEM

The Phontech Sound Reception system SR 8300 is designed for use onboard ships according to one man operated closed bridge class, to receive & detect other vessels foghorn.



SR 8300

The new digital system includes the following:

- Digital sound processing (DSP) for best performance
- Only one omnidirectional microphone/antenna SR 8301
- Optionally several slave display units SR 8300
- Amplification of meaningful sounds within 70-820 Hz
- Easy installation

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MARITIME & ENERGY

SATCOM ANTENNAS

VSAT ANTENNAS

The Jotron VSAT antennas are innovative stabilized antennas offering a simple and clean design. Use of the latest technology allows for high performance from very compact and robust RF and electrical components. A broadband link using Ethernet over coax up to the pedestal, ensures fast remote or local upload of all software as well as powerful real time web based diagnostics with an optional webcam for inspection inside the radome.

The antenna has proven its high performance and robustness through extensive Sea Trials performed during harsh North Sea winter condition on demanding supply vessels. Our own designed advanced tracking receiver ensures optimum satellite tracking for all types of received carriers.

Key Features: Life cycle cost savers

Maintenance:

Fast and easy installation:

Remote support:

Spare parts:

Training:

Condition monitoring for preventive maintenance.

No regular costly maintenance. Single cable ADE-BDE. Auto set-up.

Remote line-up.

Advanced support and diagnosis tools for cost efficient remote support.

Common spare parts for all New Generation VSAT products.

Knowing one New Generation VSAT product, you will know all New Generation VSAT.



B120

B85

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