

## QUICK REFERENCE GUIDE



# Tron AIS TR-8000

AIS Class A transponder



[www.jotron.com](http://www.jotron.com)

# 1 Introduction

**Thank you for purchasing this Jotron AIS Class A transceiver.**

The Jotron TR-8000 has been developed to offer you the highest level of performance and durability and we hope that it will provide many years of reliable service. This product has been designed to meet the highest possible quality standards and should you encounter any problems with this product, please contact your local dealer who will be pleased to offer any assistance.



Jotron Tron AIS TR-8000 consists of two separate units interconnected by Ethernet. The Transponder Unit is the main unit, handling the basic AIS functionality, including sensors and RF functions, while the Display Unit is used for setup and display of the AIS data.

This leaflet is a “Quick guide” with references to the two manuals:

- Tron AIS TR-8000 - Operators and Installation Manual
- Tron AIS TR-8000 - Technical Manual

These manuals are now delivered on a CD or DVD record, and latest version is also available for download at [www.jotron.com](http://www.jotron.com) (Select “Maritime & Energy” -> “AIS” -> “Tron AIS TR-8000”)

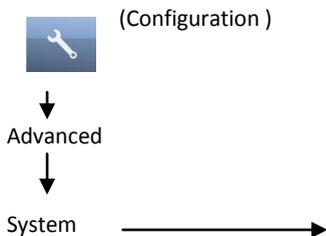
# 2 Revision history

Revision no.	By	Date	Page(s)	Versions	Reason for change
8	MOLM	07.01.2014			- Update of software versions in quick reference guide.
9	MOLM	21.03.2014		TR8000 Quick Ref Guide-v9	Updated software versions for IEC 61993-2 ed2 re-certification

# 3 Software revisions

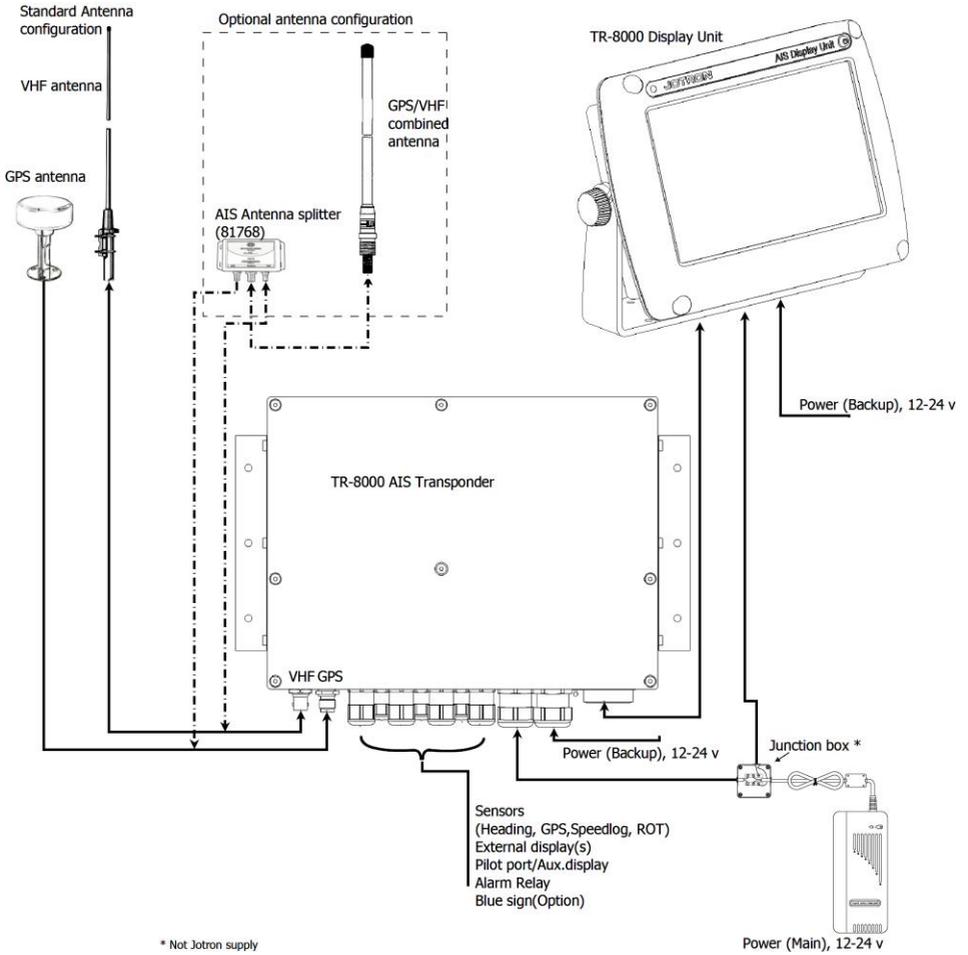
The TR-8000 is delivered with SW version according to table below which is filled in by Jotron, our Distributor, Dealer or Installation company. When SW update is done according to instructions in Jotron TB 01-2012 (Technical Bulletin), an additional line of information will be filled in to reflect the latest change. There will be no need for retraining after SW upgrade is performed.

The sub menu that shows SW versions can be found selecting:



Transponder unit	Display unit	By	Date	Change
01.01.xx		Jotron	21.03.2014	Transponder: - Adapted to IEC 61993-2 ed 2
	01.01.xx	Jotron	21.03.2012	Display: - Adapted to IEC 61993-2 ed 2

## 4 Block diagram



## 5 Quick Guide

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- Connect :
  - Antennas (Ch. **8.1 – 8.2**)
  - Display cable between Display and Transponder ( Ch. **8.3.2**)
  - Power to both units (Ch. **8.3.1.3 & 8.3.2**)
  - Sensors (Ch. **8.3.1.4**)
  - External display (Ch.**8.3.1.5**)
  - Pilot Port [Option] (Ch. **8.3.1.6, 8.3.2 & 10.2.1.3**)
  - Alarm (Ch. **8.3.1.7**)
  
- Fill in **Own Ship** (Ch. **10.1.1**)
  - Ship Name
  - IMO number
  - MMSI –“-
  - Call Sign
  - GPS antenna positions (Internal & external)
  - Type of Vessel
  
- Check **GPS and position**:
  - internal GPS signal strength (ref Ch.**10.2.4**)
  - Current position: ( Ref Ch.**10.2.8**)
  
- Configure **External Display Interface**( Ch. **10.2.1.2**)
  - RS422, RS232 or Ethernet
  
- Configure **Pilot port interface**[option]( Ch. **10.2.1.3**)
  - Display or Transponder
  
- Check **External Sensor communication**
  - Indicators (Ch. **10.1.4**) - shows Sensors detected
  - Port Monitor (Ch. **10.2.1.6**) – shows RAW data from Sensor 1 to Sensor 3
  
- Check **External Display** communication ( Ch.**8.3.1.5** )
- Check **Communication test** (Ch. **10.2.2 & 10.2.2.5**)
- Fill in **Voyage Settings** (Ch.**7.3**)
  - Navigational status
  - Destination
  - ETA
  - Draught
  - Cargo Category
  
- Check **reception of ship in ship list** – normal operation (Ch. **7.2.6**)

## 6 Service Procedure

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### **WARRANTY CLAIM**

Warranty claims are valid until 2 years from delivery from our warehouse. The warranty is valid as long as service is carried out by authorized Jotron distributors or agents.

All products are warranted against workmanship and factory defect, in material. Any warranty claims must be sent to Jotron, in writing.

Jotron reserve the right to decide whether a defective unit is within warranty terms and conditions.

If Jotron make a decision of repairing a defective product, a written description of the claim and a Jotron RMA number, should follow the unit when returning it back to Jotron's factory.

Please be noted that un-protective electronics board **MUST** be packed in antistatic bag, before returning to Jotron's factory.

Any costs related to transportation and/or workmanship linked up to the return of the product being repaired shall be covered by the customer.

Jotron's obligations during warranty replacement;

Replace defective unit, including any programming

Delivery terms: DAP Incoterms 2010 by regular freight to "Place" (Airport)

Service agent's obligations during warranty claims:

Supply replacement unit from own stock if available

If agreed, return defective unit to Jotron

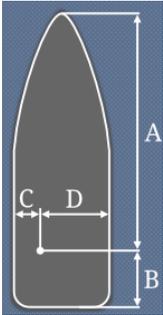
Electronic units must be shipped in antistatic bags or covered with Jotron's plastic cover

### **SERVICE – NOT WARRANTY CLAIM**

Service, such as testing, installation, programming, replacement is provided by an authorized Jotron service agent. Jotron do not meet the cost for services mentioned above. Distributor or service agent should stock the most commonly needed spare parts.

## 6.1 Tron TR-8000 AIS Installation – registration form

<b>Vessel name</b>		<b>IMO Number</b>	
<b>Flag State</b>		<b>MMSI Number</b>	
<b>Owner / Company</b>		<b>Radio Call Sign</b>	
<b>On-Board Contact Name</b>		<b>Telephone Number(s)</b>	Office:
			GSM:
<b>Superintendents Name</b>		<b>Telephone Number(s)</b>	Office:
			GSM:
<b>Type of Vessel</b>		<b>Gross Registered Tonnage</b>	GWT
<b>L.O.A.</b>	mtrs	<b>Beam</b>	mtrs
<b>Comments:</b>			
TR-8000 Transponder unit, serial number:			
TR-8000 Display unit, serial number:			

	<b>Antenna Location</b>	<b>GNSS Antenna connected to External Position Source</b>	<b>GNSS Antenna connected directly to TR-8000 (Internal)</b>
	A=Distance to Bow	mtrs	mtrs
	B=Distance to Stern	mtrs	mtrs
	C=Distance to Port Side	mtrs	mtrs
	D=Distance to Starboard side	mtrs	mtrs

### Installation completed and successfully commissioned by:

Technician, (type name)		
Service provider / company		
Place	Date	Signature

Please fill in with capital letters

This form must be sent to Jotron AS, [beacon@jotron.com](mailto:beacon@jotron.com) or Fax.: + 47 33 12 67 80 (Att: Service department) in order to have a valid 24 months product warranty

TR-8000 Quick Reference Guide



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