

Tron AIS TR-8000 MkII

AIS Class A / Inland AIS transponder

Quick Reference Guide



Table of Contents

1	Introduksjon	2
2	Software revisions	3
3	Block diagram.....	4
4	Quick Guide.....	5
5	Optional accessories.....	6
6	Spare parts	6
6.1	Counterfeit spare parts	6
7	Recycling and disposal	6
8	Warranty	6
9	Service.....	6
9.1	Service agents	6
10	Tron AIS TR-8000 MkII Installasjon – registration form	7
11	Document revision log.....	8

1 Introduksjon

Thank you for purchasing this Jotron AIS Class A transceiver.

The Jotron TR-8000 MkII 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 MkII 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 MkII - Operators and Installation Manual
- Tron AIS TR-8000 - Technical Manual

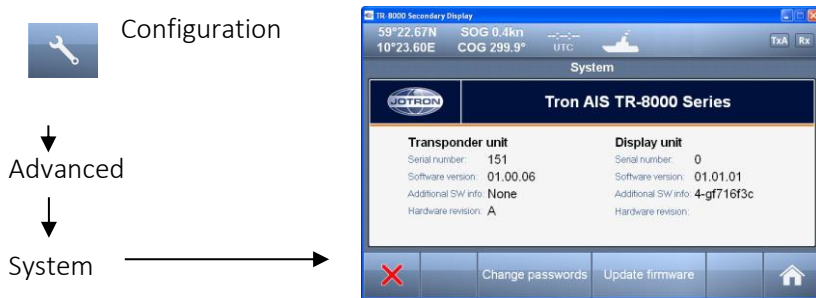
These manuals are available for download at: www.jotron.com/product-category/gmdss-ais-lights/



2 Software Revisions

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

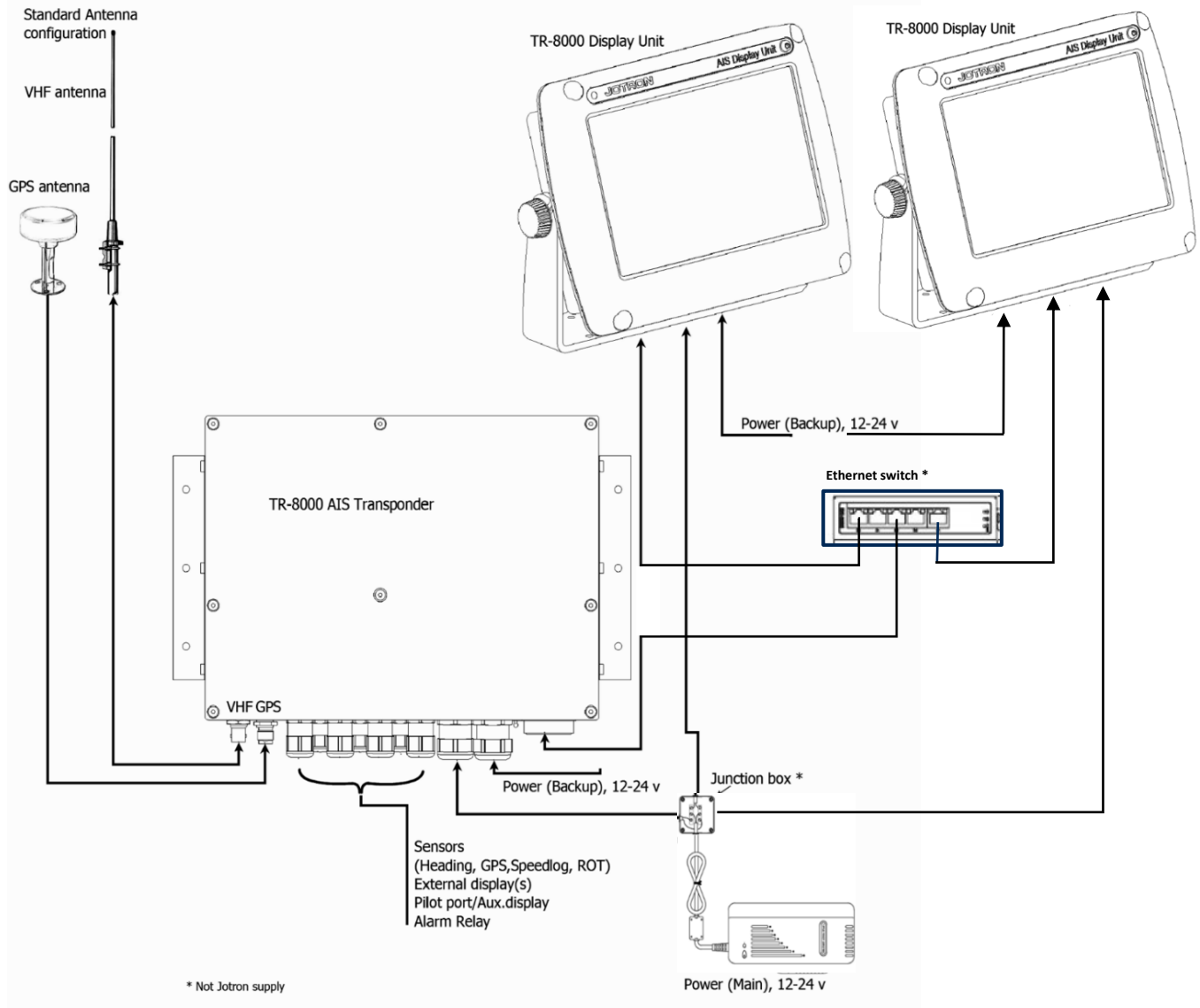
The sub menu that shows software versions can be found selecting:



Transponder unit	Display unit	By	Date	Change
01.02.xx	01.02.xx	Jotron	02.07.2021	IEC-61992-2 ed 3 IEC 62923-1:2018 IEC 62923-2:2018

3 Block Diagram

A typical connection of Dual Display set-up.



4 Quick Guide

Reference to the main manual: “Tron AIS TR-8000 MkII - Operator and installation manual”

1. Connect :
 - Antennas (Ch. **8.1.3**)
 - Display cable between Display and Transponder (Ch. **8.3**)
 - Power to both units (Ch. **8.3, 8.3.2 & 8.3.3.2**)
 - Sensors (Ch. **8.3.2.4**)
 - External display (Ch.**8.3.2.5**)
 - Pilot Port [Option] (Ch. **8.3.2.6, 8.3.3.3 & 10.6.1.4**)
 - Alarm (Ch. **8.3.2.7**)

2. Fill in **Own Ship** information (Ch. **10.1**)
 - Ship Name
 - IMO number
 - MMSI –“-
 - Call Sign
 - GPS antenna positions (Internal & external)
 - Type of Vessel

3. Check **GPS and position**:
 - internal GPS signal strength (ref Ch.**10.6.4**)
 - Transmitted data: (Ref Ch.**10.6.8**)

4. Configure **External Display** Interface(Ch. **10.6.1.2**)
 - RS422 (always enabled)
 - Ethernet

5. Configure **Pilot port** interface[option](Ch. **10.6.1.4**)
 - Display or Transponder

6. Check **External Sensor** communication
 - Indicators (Ch. **10.5**) - shows Sensors detected
 - Port Monitor (Ch. **10.6.1.8**) – shows RAW data from Sensor 1 to Sensor 3

7. Check **External Display** communication (Ch.**8.3.2.5**)

8. Check **Communication test** (Ch. **10.6.2 & 10.6.6**)

9. Fill in **Voyage Settings** (Ch.**7.3**)
 - Navigational status
 - Destination
 - ETA
 - Draught
 - Cargo Category

10. Check **reception of ship** in ship list – normal operation (Ch. **7.2.6**)

5 Optional Accessories

For an overview of the available optional accessories for this product, refer to jotron.com.

6 Spare parts

For an overview of the available spare parts for this product, refer to jotron.com.

6.1 Counterfeit spare parts

Ensure that all spare parts being fitted to this product are only original spare parts manufactured or approved by Jotron.

Any use counterfeit parts will invalidate the product type-approval certificate.

7 Recycling and Disposal

This product should not be disposed as normal waste and must be handled in accordance with the applicable federal, state and local waste disposal regulations in the country where the equipment is used.

8 Warranty

All Jotron products are warranted against factory defects in materials and/or workmanship during the warranty period.

Refer to the sales terms and conditions for specific warranty information regarding this product.

9 Service

All services such as testing, installation, programming, replacement, marking, and battery exchange are provided by an authorized Jotron service agent.

Improper service or maintenance may destroy the functionality and/or performance of this product.

Jotron does not accept any responsibility for the dismantling or reassembling of any Jotron product that occurs externally from a Jotron authorized facility and/or is handled by someone other than an authorized, training, and certified person.

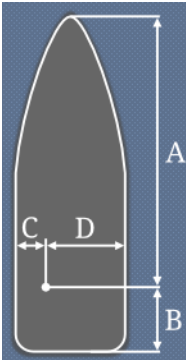
9.1 Service agents

Refer to jotron.com for an overview of Jotron partners and distributors.

<https://jotron.com/partners-and-distributors/>

10 Tron AIS TR-8000 MkII Installasjon – Registration Form

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

	Antenna Location	GNSS Antenna connected to External Position Source	GNSS Antenna connected directly to TR-8000 (Internal)
	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 or Fax.: + 47 33 12 67 80

(Att: Service department) in order to have a valid 24 months product warranty

11 Document Revision Log

Document revision log			
Rev	Date	Reason for Issue	Author
A	26.08.2021	New MkII manual in new company profile	ØB
B	03.01.2022	Added Dual Display drwing in chap 3.	ØB

**NORWAY / HEADQUARTERS**

Jotron AS
Ringdalskogen 8
3270 Larvik, Norway
Tel: +47 33 13 97 00

SINGAPORE

Jotron Asia Pte. Ltd.
10 Ubi Crescent, Ubi Techpark
Lobby B, #05-11/12, Singapore 408564
Tel: +65 65 42 63 50

USA

Jotron USA, Inc
6300 Rothway Street, Suite C
Houston, TX 77040, USA
Tel: +1 713 268 1061

UK

Jotron UK Ltd.
Crosland Park, Cramlington
NE23 1LA, UK
Tel: +44 1670 712000

CHINA

Norway Jotron AS Beijing
Representative Office (ATC business)
No. 1204 room, building D
Tiejian plaza, Chaoyang district Beijing
100012 China
Tel: +86 10 5619 6464

sales@jotron.com

jotron.com

 **JOTRON**
Performance for Life