



The screenshot displays the RACS III software interface. It features several panels: a left sidebar with a tree view of aircraft, a central area with multiple columns of aircraft data (including call signs like RA7283, TA7869, and TA7660), and a right panel with a map of Europe showing aircraft positions. A 'TRANSMITTER' control panel is overlaid on the bottom right of the screenshot, showing a frequency of 121.500 AM and various status indicators.



TRANSMITTER

121.500
AM

Menu

PTT

LOW AL OUT

REM STBY SWR

JOTRON

RACS III

REMOTE ACCESS AND CONTROL SYSTEM



www.jotron.com



➤ RACS III – Remote Access and Control System

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

The RACS III software presents an easy and user-friendly management access to all radios in a large nationwide communication systems or smaller regional systems.

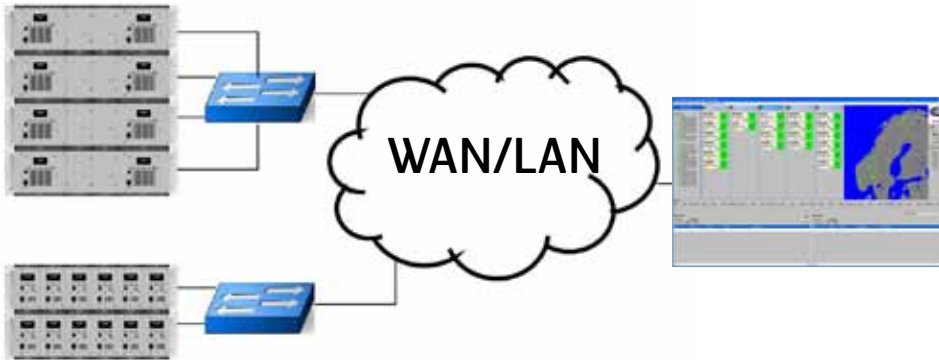
The system is based on Ethernet connections to the different radios via an existing Network structure.

RACS III and the Jotron 77XX series radios use SNMP for the monitoring and control. The radio sends SNMP traps to a preconfigured multicast address or to a list of unicast addresses. It also support messaging to a server on a remote LAN (remote server) using a default gateway.

This solution gives a flexible, scalable and reliable system with few limitations. Adding radios or workstations to the system is done by configuring a few parameters that are specific for each radio.

The RACS III computer can also act as an SNMP agent, serving higher level alarm systems with SNMP traps.

Radios with IP connectivity



An example of hardware configuration with only 2 sites. The addressing scheme of the system is based on using class-C IP networks for all radios. Each radio must be assigned a unique IP address, which is defined during installation. In addition a radio group (site) must be assigned a common multicast address where all messages from the radio are sent or a Unicast address to the RACS III computer.

RECEIVER

Bite system/Measurements	
Codec/Eth LD	Lock
Temperature	45 °C
DC current	0,19 A
IF current	34 mA

JOTRON

Jotron RACS

- RACS III
 - a Larvik
 - TA7650 (122.425)
 - PA Module
 - Mod Module
 - Front Module
 - Main Module
 - RA7203 (122.425)
 - RA7203 (126.150)
 - TA7650 (126.150)
 - RA7203 (132.125)
 - TA7650 (132.125)
 - b Horten
 - c Newcastle
 - c Singapore
 - d Houston

RA7203	Sno:
122.425 AM	11242
SQ	OK

TA7650	Sno:
122.425 AM	2338
PTT REM	OK

TA7650	Sno:
126.150 AM	9302
PTT REM	OK

RA7203	Sno:
126.150 AM	1555
SQ REM	OK

RA7203	Sno:
132.125 AM	1233
SQ	OK

TA7650	Sno:
132.125 AM	1234
PTT REM	OK

Agent/Distributor:

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice. Reservations are also taken towards any general errors that may occur.

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www.jotron.com

CONTACT INFORMATION

Jotron AS
P.O.Box 54
3281 Tjodalyng
Norway
Tel: +47 33 13 97 00
Fax: +47 33 12 67 80
sales@jotron.com

Jotron UK Ltd.
Crosland Park
Cramlington
NE23 1LA
United Kingdom
Tel: +44 (0) 1670 712000
Fax: +44 (0) 1670 590265
sales@jotron.com

Jotron Asia Pte. Ltd.
19 Loyang Way
Changi Logistics Centre
Rear Office Block 04-26
Singapore 508724
Tel: +65 65426350
Fax: +65 65429415
sales@jotron.com

Jotron USA, Inc.
10645 Richmond Avenue, Suite 170
Houston, TX 77042
USA
Tel: +1 713 268 1061
Fax: +1 713 268 1062
sales@jotron.com