

RCMS

REMOTE CONTROL AND MONITORING SYSTEM



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▶ JOTRON RCMS

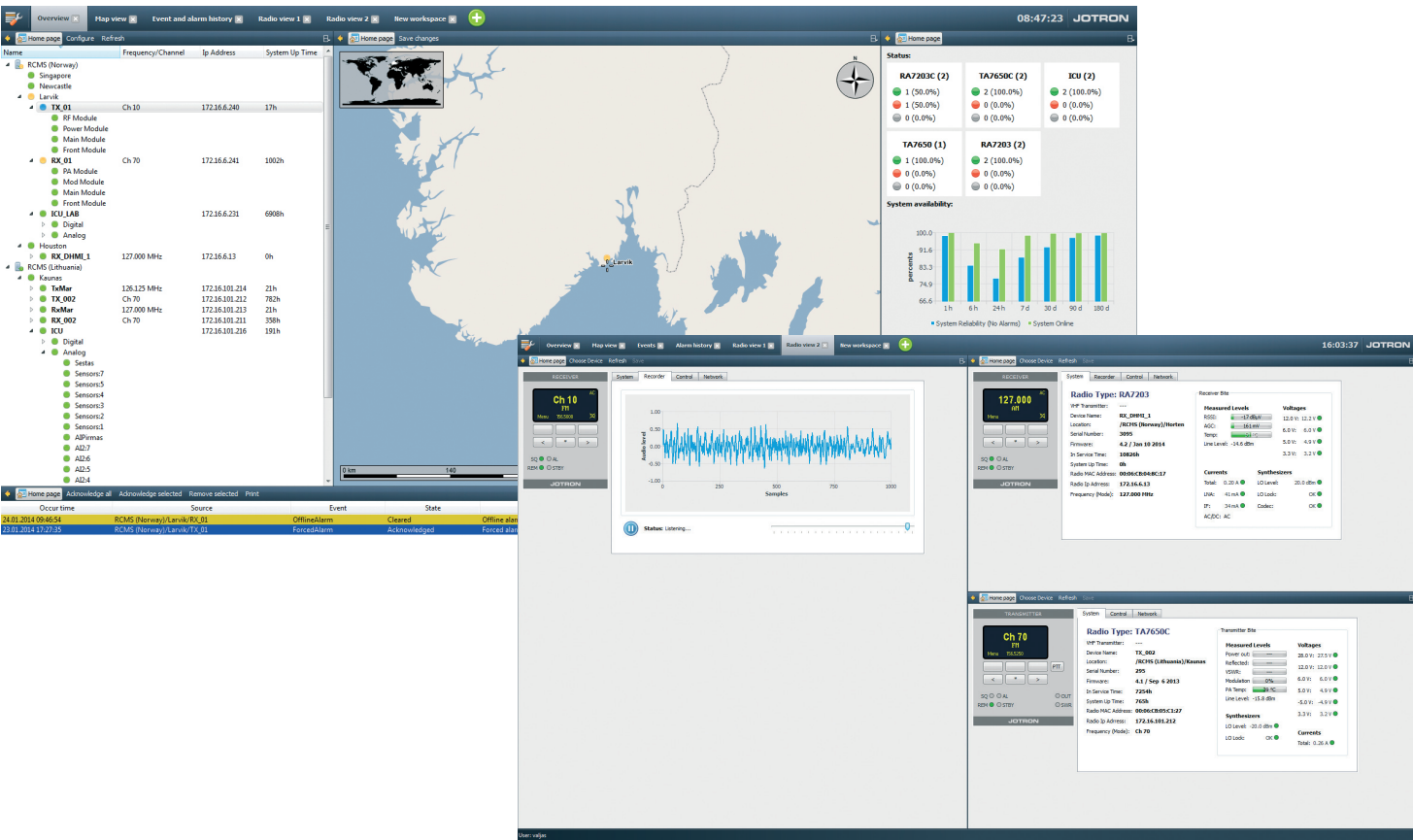
- SYSTEM STATUS
- SYSTEM BITE
- REMOTE MAINTENANCE
- CONTROL AND CONFIGURATION
- OPERATING STATUS
- IP AND VOIP CONFIGURATON
- SNMP V3
- BUILT IN SNMP AGENT
- MULTI SERVER AVAILABLE
- MULTI CLIENTS



- MONITORING
- CONTROL
- MAINTENANCE
- REPORTS

The RCMS (Remote Control and Monitoring System) not only let the users monitor alarms and real time BITE information, but is a complete radio test and measurement system that allows the technician to remotely do complete qualifying measurements just as easy as if he was physically present at the radio site.

Together with the comprehensive reporting tool built into the RCMS system, this saves time and energy for the operators of the radio network.



Various configurations are possible from the simplest solution that monitors 1 radio to a nationwide system that monitors 100s of radios using a single or multi server configuration.

The radios in the network do not require any additional hardware or software to be controlled, they already include necessary firmware to be controlled using SNMP v3 or lower from one or more (redundant) servers.

Technology at work for you!

Connecting your desktop computer with the communication system

The Jotron RCMS system is designed to remotely access, monitor and control ATC and coastal communication equipment from Jotron AS.

Currently the products that can be connected, include: Radios, radio gateways and ICU in the Jotron 7000 series.

Any computer that has access to one or more of the RCMS servers, can access,

monitor and control connected equipment by logging in to the server. The user privileges gain the right access to the equipment.

The server and control store all information as it arrives from the radio as SNMP traps contain a database with historical events. Databases stored on the server allow the generation of reports and historical statistic information reports to document the availability of the communication system.



► TECHNICAL SPECIFICATIONS

The complete RCMS

SYSTEM STATUS

- Frequency
- Serial numbers, firmware release data, timers
- Operational status: OK, STBY, ALARM
- Current use: Live PTT and SQUELCH info
- Active alarms
- Alarm status for voltages, currents, temperatures and synthesizers

SYSTEM BITE

- Power output, reflected, SWR (int or ext)
- Analogue line levels
- Modulation levels (sent and received)
- Temperatures, voltages, currents, LO levels
- RSSI and AGC operation
- Frequency accuracy
- Carrier/noise

SYSTEM MAINTENANCE

- Firmware update
- Activation of TX testtone, TX PTT and RX SQ
- View internal event log in radio
- Calibrate internal LO frequency based on remote measurements
- Remote audio monitoring allows remote audio measurements like S/N and distortion on transmitters (sidetone) and receivers

CONTROL / CONFIGURATION

- Frequency, offset and channel space
- Modulation type and parameters
- Audio and PTT sources for transmitter
- Time out and advanced RF parameters
- Output power
- Squelch adjustments
- Mute levels
- Blocked frequencies
- Store/recall parameters to/from PC
- Store/recall user default settings
- Single channel mode
- Control local access
- Language settings

VoIP AND IP CONFIGURATION

- SNMP ports and trap configuration
- Enable/disable secure mode (SNMP v3)
- Configure NTP server
- VoIP protocol and codecs to use
- Control jitter buffer in radio to optimize *the audio connection*
- View active SIP sessions
- Control ED-137(B) parameters



CUSTOM SOLUTIONS

3rd party SNMP enabled devices may be connected to the system. This may require customization. Availability and feasibility studies upon request

SNMP AGENT

The RCMS system can integrate with a higher level system, by its internal SNMP agent that will send traps to the higher level system upon any change to the communication system

MORE INFO

See our complete system description that explains the various scenarios using the Jotron RCMS. The system description is available upon request from Jotron.

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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