RRC-7700
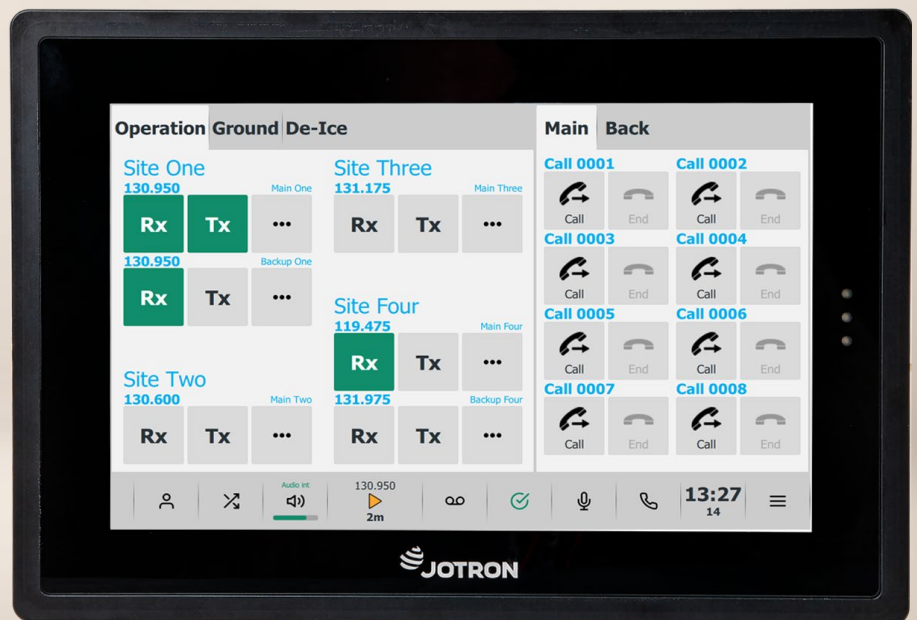
Radio Remote Control system

- ➜ VoIP according to ED-137C
- ➜ Highly scalable
- ➜ Touch-screen
- ➜ Security hardened

JOTRON
Performance for Life

Jotron RRC-7700

RRC-7700 is a proven, cost effective, module-based solution with a wide range of applications. It accommodates both small and medium sized airports, emergency systems, last resort solutions, portable shelters, ports and towers.

The VoIP functionality and the various mounting arrangements make the system highly scalable and flexible with regards to installation options.

The RRC-7700 has enhanced security features as it runs on a Jotron hardened and secured Linux Operating System. It also supports SNMP version 3 using encryption and authentication.

In a small system the RRC-7700 can control the radios directly without the need of a server. A larger system requires a VoIP server. The VoIP server concentrates the VoIP streams (reducing bandwidth), and it has advanced functionality such as dynamic delay compensation, voting and climax offset operation.

The system modules are a display unit (JDU), microphone interface (JMI), speakers (JSP) and handsets. Jotron has combined these modules into several different mounting arrangements, JRRC-105, 106, 107 and 108. The three first versions all fit into a standard 19" rack, or may be mounted in a desk or other furniture, while the JRRC-108 is a handy standalone unit.

In addition we have the JCU which is an RRC-client with no display which is a perfect solution if the customer already has a display or monitor that they want to use.

The integrated VoIP telephone interface supports all SIP-compliant units.

Robust and proven

Jotron's long experience in radio remote controllers is your guarantee that RRC-7700 is a robust, proven system, that has shown itself capable of solving the toughest challenges.

Cyber Security

Jotron is ISO 27001 certified and all our products are designed and developed with a strong focus on cyber security. Some of the measures Jotron has implemented in our RRC software are:

- Modular design to enhance security and isolation
- Secure software coding practices (Static code analysis, threat modelling, security testing)
- Security Hardened through limited access to ports and configuration
- Role-based access control and authentication
- Secure monitoring through SNMP v3
- Encrypted communication and storage protection

Mounting arrangements (other arrangements are also possible)

Swivel arm mounted JDU

This is an excellent choice if you have no rack or specialized furniture available for mounting the other versions.

- JDU mounted on swivel arm
- JMI-111 and JSP-101 mounted in a space-saving desktop box
- The JMI-111 may be exchanged with JMI-112
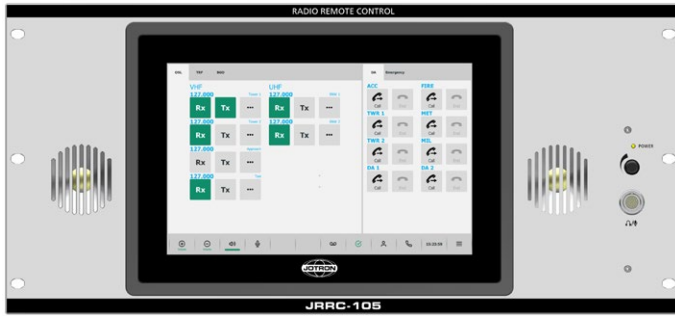
JRRC-105

A well-designed combination of RRC-hardware.

- Two speakers (JSP-101)
- JDU-unit
- Single microphone input (JMI-111)
- Volume knob
- 19" front plate

JRRC-106

A very handy implementation of main/backup radio. The backup unit is wired to a dedicated radio.

- Ergonomically handsets
- Inputs for microphone (JMI-111/103)
- Separate adjustment of volume for each handset
- 19" front plate

JRRC-107

Essentially just the same as JRRC-105, but using JMI-112 with an extra microphone input for supervision, training and support.

JRRC-108

A flexible all-in-one operator station for radio and telephone communication.

- Handset
- Speaker
- Lemo or PJ7 mic/headset input
- Connection for external speaker

JCU

A compact RRC-client with HDMI and DisplayPort outputs so that you can connect several third-party touch-screens which gives greater flexibility in setting up an RRC-system

- Security hardened OS
- Dual LAN and dual power
- Small form factor
- Display port and HDMI

RRC-7700 Radio Remote Controller

Application examples

Small airports

This is an example of the main intended use of the JRRC-108. It is used as an all-in-one tool for operators at small airports or control centers. There is no need for racks or furniture for mounting speakers, microphone interfaces or display units. Simplicity is the main focus for such installations, and if the number of connected devices is seven or less, you do not even need a server.
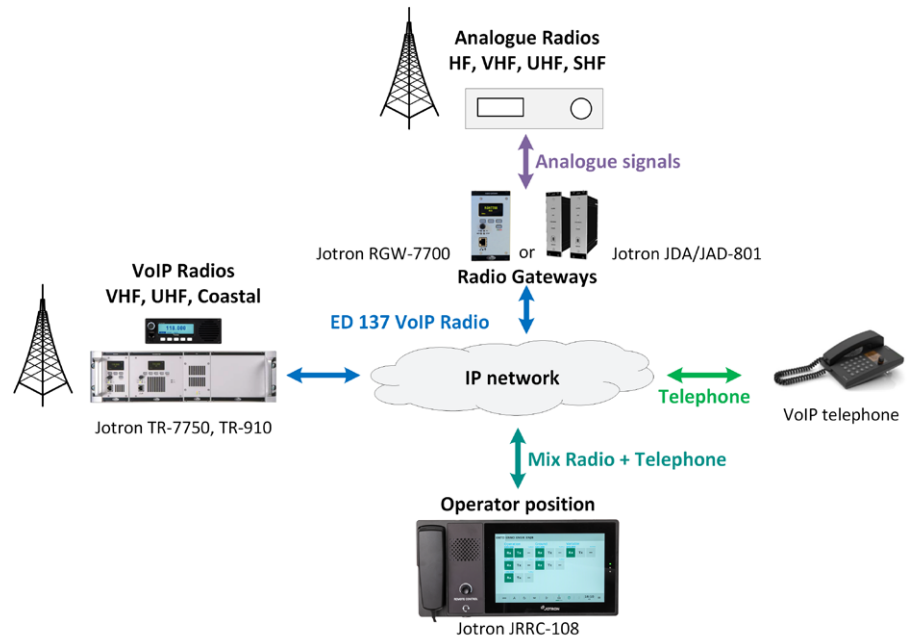
Larger airports

The RRC-7700 operates several radios from different locations at the airport. The system is based on a robust and secure WAN/LAN designed for high speed network traffic, and Jotron provides radios, remote control clients and servers that take full advantage of these network features.

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