

## REMOTE CONTROL UNIT

## RADIO COMMUNICATION AND DATA EXCHANGE SYSTEMS

# RKS-8000 PW



- Designed to control the HF RKS-8000 receivers and transmitters through the communication network and/or LAN
- In co-operation with the RKS-8000 transceiver ensures the exchange of voice data within the HF frequencies
- Digital voice transmission according to STANAG 4198 and STANAG 4591, as well as MIL-STD-188-110B p. 5.3 – within HF frequencies
- Parameters remote control mode in accordance with STANAG 5066 Annex E
- Capability to configure the routing parameters using the RRC-9100 program
- Automatic operation – parallel in three modes: IP, e-mail, FTP
- Possibility of sending confirmation information through the SMTP server that a message has been sent
- Informing the DTE (Data Transmission Equipment) unit about the overfilling of the buffer of IP packages (according to RFC 792)

The network software was implemented in the RKS-8000 PW remote control unit containing an integrated incoming messages server that communicates itself with the user through the POP3 protocol SMTP, outgoing messages server and an FTP server. Therefore in the radio transmission the TCP/IP layer that provides some redundancy and adjusts poorly to the conditions reigned in the HF radio channel can be omitted.

The use of popular protocols allows an easy integration with other communication system elements and fast verification of the operation correctness.

Data sending and receiving can be performed with standard e-mail clients and FTP. The IP protocol can also be used for working purposes. Protocols and modulations described in STANAG 4538 are used during operation with the FTP, SMTP, POP3 and IP protocols. All external data sources are connected directly to the RKS-8000 PW remote control unit.





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TECHNOLOGIES UNDER CONTROL



## REMOTE CONTROL UNIT

# RKS-8000 PW

### GENERAL

Power Supply:	230V 50Hz
Power Input:	max. 10W

### ALE SPECIFICATION

ALE 2G Compatibility:	MIL-STD-188-141B App. A
ALE 3G Compatibility:	in accordance with STANAG 4538, in collaboration with the transceiver of the same type and with the family of Harris radios that meet the STANAG 4538 requirement

### HF SPECIFICATION

Compatibility:	STANAG 4285, STANAG 4529, STANAG 4415, STANAG 4539, MIL-STD-188-110B, MIL-STD-188-110B App. C, FSK
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### RADIO INTERFACES 2 PIECES (600 $\Omega$ ) BALANCED

Band:	300Hz ÷ 3300Hz
Input level:	-12dBm ÷ +3dBm
Output level:	-12dBm ÷ +3dBm

### NETWORK SOFTWARE

POP3 server:	RFC 1939 minimum compliance
SMTP server:	RFC 5321 minimum compliance
FTP server:	RFC 959 minimum compliance
Router functionality with IP packet flow control:	Routing table RFC 791 compliance

### DIMENSIONS

W×H×D in mm:	483×300×88
Weight in kg:	2.8

### EQUIPPED WITH CONNECTORS

Fill gun USB master connector
USB slave remote control connector
Ethernet RJ-45(IP, SMTP, POP3, FTP telnet, http) data and control connector
RS232 data connector
Remote RS232 connector
Service connector
Connector to the antenna GPS
Connector for external GPS receiver
2 300Hz – 3.4 KHz radio connectors
Headphones connector