



THE RV3 RDST BLOCK VERSION TM800

- Block of radio base stations for Radiovoice3 System
- Remote control for one or two radio-stations for VHF or UHF band
- Complete remote supervision, monitoring of operating parameters, remote control and programming of radio stations
- Easy installation and maintenance
- Communication and control by standard protocols (HTML, SNMP, NTP, SYSLOG, XML)

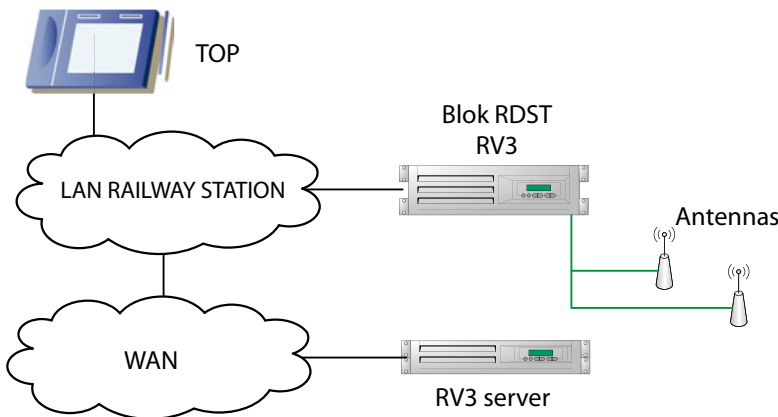


General description

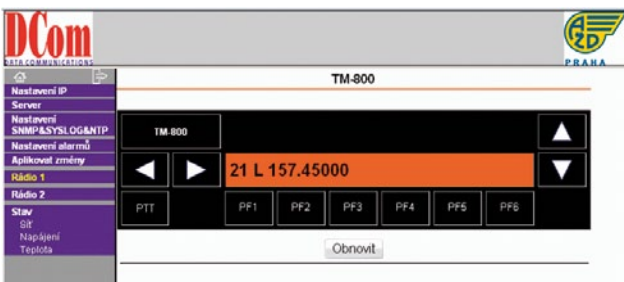
RV3 RDST block is a part of the Radiovoice3 System allowing remote control of radio-base stations in

the TCP/IP environment. It includes one or two radio stations, power supply source, control circuits and VoIP converters. The configuration

is carried out on internal websites or remotely by SNMP protocol. Radio station parameters can also be programmed remotely. Monitoring of operating parameters includes measurement of power supply voltages, temperatures and the level of the receiving signal (RSSI) and optionally the output power, aerial adjustment and receiver testing functions. Power supply can be from the 230 V AC network or 48 V DC with optional possibility of connecting own 12 V backup accumulator.



The front panel



Radio station control from the bloc websites

Basic technical description

RDST block is built in the cabinet designed for installation into 19" rack, height 3U and depth 40 cm (without connectors), weight of block is 11 kg. On the front panel there are available two Ethernet connectors ETH1 and ETH2 (one for connecting into the system and the other for connecting the service staff), indication LED displaying the current state and the LCD display showing details and



two buttons for local control of the disconnector of the optional backup accumulator.

On the front panel are also located two N connectors for connecting the aeri- als and 4 RJ45 connectors for local control and local analogue recording. On the rear panel there are connectors for 230V or 48V power supply and connecting the optional backup accumulator.

The basic function of the RDST block is the remotely controlled radio base station with control and transmission of voice in TCP/IP environment. In addition the block includes the control computer to ensure the control itself, creation of configuration and control websites and communication with environment through standard HTML protocols (websites), SNMP (supervision and remote control from supervision system), NTP (real time

clock synchronisation) and SYSLOG (storage of operating history). Control of radio stations is possible both from the RadioVoice System, and directly from the block websites. The voice transmission is implemented through standard SIP Protocol.

Basic technical parameters

Dimensions	19" module, height 3U and depth 40 cm (without connectors), width (without handles) 43 cm, depth 40 cm, height 13 cm
	Block RDST has been designed for installation into 19" (rack) distributor, vents on the front, rear and side panels must not be covered
Weight	11 kg
Cover	IP20
Working temperature range	0 to 45 °C
Storing temperature range	-20 to 60 °C
Humidity	20 to 80% non-condensing
Rated input voltage	230 V ±10% 50 Hz, max. 3 A or 48 V DC max. 6 A
Optional backup battery	Pb encapsulated accumulator, charging voltage 13,8 V, equipped by reduction of current to 2 A and disconnecting during battery voltage drop bellow 10,5V
Connecting connectors	LAN (Ethernet) – 2 × RJ45
	230 V intake – EURO plug
	48 V input – two pin plug PA256/7,62 – conductor cross section max. 2,5 mm ²
	External accumulator – two-pin plug PA256/7,62 – conductor cross section max. 2,5 mm ²
	Aerial connector – N plug
Suitable aeri- als for operation with RDST block	Local analogue recording – RJ45
	Local radio station programming – RJ45
	for VHF ZZ21,ZZ201, ZZ203 and ZZ205 bands for UHF: ZZ401, ZZ403, ZZ409 and ZZ412 bands
Radio station used	HYT TM-800.

