



PUBLIC ADDRESS SYSTEM

- Fully remote- controlled and supervised public address system with power output of up to 300 W for 100 V distribution for the version with 230 V AC power supply and 150 W for the version with 48 V DC power supply.
- Integrated input VoIP for direct connection to the digital infrastructure
- 6 output loops with separate indications of currently broadcasted messages
- Communication and control by standard protocols (HTML, SNMP, NTP, SYSLOG)
- Option of direct coupling with the automatic announcement system



General description

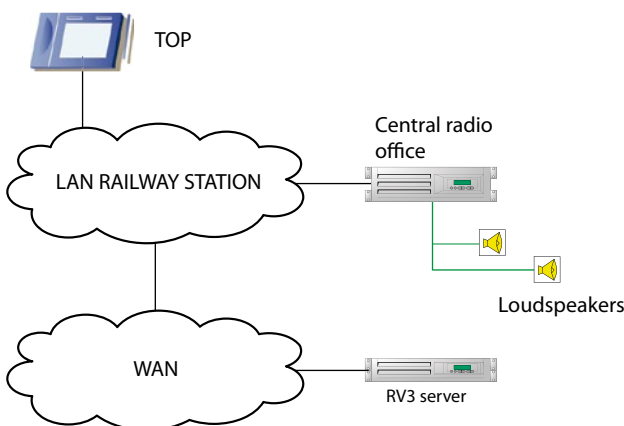
The public address system has been designed as a replacement of the existing RU-6 public address systems and of other similar equipment during the transition to the remote control system. It includes a high-power low frequency amplifier 300 W 100 V, control circuits for supervision, VoIP circuits for the input of low-frequency signal in the digital form. Besides the standard features of the LF am-

plifier it includes functions needed for remote operation and supervision of the operating conditions. The basic input of the low frequency signal is an Ethernet interface with VoIP Protocol and the option of the simultaneous operation of two independent channels. The first channel is designed for connecting to the centralized announcement system, the second channel for local or remote access using VoIP phone.

tion of the current state, control and configuration are possible by website browser. Current operating states and information from the inner auto-diagnostics can be transmitted into the superior supervisory system by SNMP Protocol and it is possible to record the operation history by SYSLOG Protocol. The internal real time clock can be synchronized using the NTP protocol.

The basic technical description

The public address system is built-in in the case designed for installation to 19" rack, height 3U and depth of 40 cm. Its weight is 18 kg. The front panel includes two Ethernet connectors (one for connecting into the system, the second for connecting of the service technician), LEDs indicating the current state of the lines and of the public address system itself, and alphanumeric LCD display



Interconnection diagram of the Public Address System with the environment

The other connecting options of the low-frequency signal are the line input and the microphone input. All settings of analogue parameters (volume, heights, basses, levels of individual inputs and their priorities) are carried-out digitally. Detec-





showing details of the current state. In addition, the front panel includes connectors for connecting analogue recording, line output and microphone output. On the rear panel there are EURO plugs for connecting 230 V power supply and connectors for connecting the output lines. Cooling is forced by ventilators, the coolers are located inside the public address system case.

The regular operation is expected to proceed in the automatic announce-

ment system, where compared with the existing equipment the use of an external computer with the sound card is not necessary. Other options are the local or remote announcements via the standard VoIP network with a variable priority. For these two options the public address system uses two independent VoIP inputs. It is also possible to connect the input signal to the line or to the microphone input. Inputs use adjustable priorities. Real time circuit is synchronised by NTP

Protocol from the network and it allows as well automatic switching of the day and night mode. To check the carried-out announcements current flowing through the line is measured in each of the six output lines. Input circuits formed by an output transformer, relay switching the output lines and output current sensor are galvanically separated by 4kV insulation barrier.

Basic technical parameters

Dimensions	19" module height 3U and depth 40 cm (without connectors), width (without handles) 43 cm, depth 40 cm, height 9 cm
Weight	The Public Address System has been designed for installation into 19" (rack) distributor, vents on the front and rear panel must not be covered 18 kg
Cover	IP20
Working temperature range	0 to 45 °C
Storage temperature range	-20 to 60 °C
Humidity	20 to 80 % non-condensing
Rated power supply voltage	230 V ±10% 50 Hz, max. 8 A (the 300 W version), or 48 V DC max. 10 A (the 48 V version)
Output power till 100V of distribution	300 W (the 230 V power supply version) or 150 W (the 48 V power supply version)
The number of output loops	6
Connectors	LAN (Ethernet) – 2× RJ45
	230V intake – EURO plug
	48V intake – two pole connector
	Output lines - 2 two-pin plugs PA256/7,62, cable plugs PA256/7,62 are included in the source supply
	Microphone input, line input and output for analogue recording – RJ11 plugs

