

Buffer & Burst Audio Transmission System with RC



The product is rated for transmission of audio intelligence via radio channel. The system is based on step-by step accumulation of audio data in the internal RAM of the transmitter followed by rapid rate packet RF transmission of the stored data in the air.

Receiver unit of the system provides the reverse procedure: reception of data packets - error correction - packet merging - digital-to-analog conversion.

Features:

- Low On-Air time. Hard to detect the transmitter with special locators;
- Impossible to intercept and decode the signal;
- High quality audio;
- Low power consumption;

Control over the output power of the transmitter and mode selection (sampling rate of the analog-digital converter, duration and packet reoccurrence interval) are provided by application of special Remote Control panel.

Complete set:

1. RMI 400 transmitter.
2. PRI 400 receiver.
3. DPK 010 remote control

SPECIFICATIONS:

GENERAL	
Frequency range at sampling rates 8/11/16/22 kHz	0.3 - 3.4/5/7/9 kHz
Dynamic range of input acoustic channel	No less 85 dB
Packet duration (RC selectable)	30 - 250 milliseconds
Packet reoccurrence interval (RC selectable)	1.2 - 26 seconds
Range of operation in open areas	500 m

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TRANSMITTER	
Carrier frequency of the data channel (factory preset)	800 – 1200 MHz
Output power	350/50 mW
Modulation	GMSK
Spectrum width (-20 dB)	No more 12 MHz
Power supply voltage	3.6 – 4.6 V
Current consumption:	
- standby/storage/packet transmission	No more 0.25/15/400 mA
Sensitivity of the RC receiver	No less 2 μ V
Case dimensions	137 x 30 x 10 mm
RECEIVER	
Sensitivity	No less 10 μ V
Power supply	4 x AA or external power supply
Current consumption	No more 180 mA
Case dimensions	170 x 70 x 35 mm
REMOTE CONTROL	
Output power	No less 600 mW
Modulation	AT
Carrier frequency	434 MHz
Power supply	6 V (4 x AAA)
Case dimensions	100 x 51 x 18 mm

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