

RADIO COMMUNICATIONS RECORDING SYSTEM (CR-DRS)

DO NOT TAKE ANY CHANCES



Prolupus DRS104 Radio Recorder enables secure and simultaneous recording of radio communications without the need for external terminals or hardware. In order for the device to record, it is sufficient for it to be within the radio communication coverage area. Records can be accessed remotely via network connection. Thanks to the remote access feature, radio communication can be monitored in real time. It helps to ensure information security, prevent work accidents, identify the cause of work accidents that are not preventable, and promote responsible radio use and communication discipline.

RADIO INFRASTRUCTURE

It works with a wide range of radio infrastructures, both new and old. It continuously records UHF and VHF radio communication, both analog and digital.

NETWORK

With advanced network support, all records can be accessed and live listening is possible over the network. When connected to the internet, DRS104 transcribes radio conversations and periodically e-mails channel and user-based reports to specified addresses.

SECURITY

Access to the device can be authorized with 'admin' and 'user' accounts. Audio data is securely backed up and protected. Users' entry/exit to the system and their transactions are recorded in the log file.

USAGE AREAS

Mining Operations, Construction Sites, Factories, Private Security Services, Law Enforcement Forces, Port Operations, Aviation and Maritime Sectors, Railway Transportation, Municipalities.

FEATURES

- Compatible with all radio systems
- 4-channel capacity
- Digital recording
- Noise filtering
- Remote Access
- Cloud support
- Transcription
- Alarm system integration

FEATURES

- Recording from analog / digital radios
- Recording in UHF/ VHF bands
- Recording in wav and mp3 formats
- 4 channels simultaneous radio recording
- Internal storage media and up to 30,000 hours of high quality recording
- Expandable storage capacity
- Storage capacity alarm by e-mail (when disk capacity reaches 90%)
- Overwrite using the fifo method when storage is full
- Querying with date, user ID and channel information
- Playing completed recordings while recording is in progress
- Auto play forward from a selected recording
- Downloading recordings to an external disk plugged into the device or to a web-queried device
- Remote access to the recordings using a web browser on mobile phone, tablet and computer
- Monitoring the recording status of all channels from a single screen
- Monitoring the recording information (channel information, date, user id) at the end of each recording
- Record progress time display in status window
- Channel-based, user-based, number of recordings and recording time based graphical statistics
- Recording start and end for digital radios, recording start and end with radio latching
- Detection of inactive radios within the defined time interval

GENERAL SPECIFICATIONS

Channel Capacity	4	
Band	VHF	UHF
Frequency	134-174 MHz	400-470 MHz
Compression Format	.wav and .mp3	
Operating System	Linux	
RAM	2 GB	
Bluetooth	V 4.0	
Video Out	HDMI	
USB	2.0	
Ethernet	10/100/1000 Mbps	
WiFi	IEEE 802.11b/g/n	
Audio Out	3.5mm Audio Jack	
Storage	320 GB	
Operating Voltage	12 VDC	
Dimensions	30x12x29cm	
Operating Temperature	-20°C ~ +70°C	

RECORDS

The date/time information, as well as the radio ID, are added to the recording data. According to the user's wish, recordings can be saved in a separate folder. The battery/UPS connection allows for continuous recording. The traffic on a channel can be monitored in real time. Different channel names might be assigned that will be recorded.

STATS AND GRAPHICS

Graphical representations of call traffic analysis and other analyses depending on user, channel, and date-time are available.

WARNING SYSTEM FOR ERRORS

The warning system shows prospective faults when the backup space on the disk is low or a software/hardware failure occurs.

OPTIONAL FEATURES

- Real-time remote listening and monitoring
- Real-time transcription of radio conversations (47 different languages support if the device is connected to the internet)
- Activating alarm systems with keywords by integrating with Prolupus Announcement System
- Supports RAID-I structure

RECEIVER

Digital Sensitivity	-117 @5% BER
Analog Sensitivity	-120 @12dB SINAD
Adjacent Channel Selectivity	62dB
Spurious Rejection	< -30dBm
Intermodulation	60dB
Analog Bandwidth	12.5 / 25 kHz
Digital Bandwidth	6.25kHz