

Digital Recorder EDIC-mini 24bs A54

Full Operation Manual

1. Introduction

Thank you for buying the EDIC-mini 24bs Digital Recorder. When buying, please check the box contents. Before using, read this instruction carefully.

2. Overlook, Recorder's Appearance

The EDIC-mini 24bs A54 Recorder is a professional device intended for sound recording in WAV format into a built-in memory. The recordings can be played back using headphones connected to the Recorder with 2.5 mm mini-jack connector, or on the PC running Windows OS family. Recording is in mono or stereo format, recording quality can be configured using software. Built-in rechargeable battery provides substantial autonomy. The recorder features the option of enabling recording when a sound that goes beyond the preset level is detected, the function of recording by timers adjusted to a certain date and time, or to a certain time every day. The recorder is operated by two buttons, the LEDs indicating its status. Configuration of the Recorder's operation modes, as well as viewing, listening and uploading of records are available using software when connecting the Recorder to the PC.

Recorder's Appearance



3. Technical Characteristics

Signal-to-noise ratio.....	68 dB
Dynamic range.....	120 dB
Record modes.....	mono, stereo
Sampling rate.....	8/16/32 kHz
Frequency band	0,1 — 16 kHz
ADC bitrate.....	16/24 bit
Built-in memory capacity.....	2 GB
Sensitivity of built-in microphones	up to 9 m
Exchange rate	up to 2,25 Mb/s
Rechargeable battery type and capacity.....	Li-Pol 420mAh
Operating temperature range	0–40°C
Dimensions	62x45x8 mm
Weight	30 g

4. Current Consumption

Record Mode	Consumption
8 KHz 16 bit mono	4,6 mA
8 KHz 24 bit mono	4,7 mA
8 KHz 16 bit stereo	4,9 mA
8 KHz 24 bit stereo	5,2 mA
16 KHz 16 bit mono	4,9 mA
16 KHz 24 bit mono	5,3 mA
16 KHz 16 bit stereo	5,5 mA
16 KHz 24 bit stereo	6,1 mA
32 KHz 16 bit mono	5,7 mA
32 KHz КГц 24 bit mono	5,7 mA
32 KHz КГц 16 bit stereo	6,1 mA

Current consumption in playback mode, up to	30 mA
Current consumption in VAS mode (signal below threshold level), up to.....	5 mA
Current consumption in standby mode.....	27 27 µA

5. Functional Characteristics

- recording onto built-in memory both in linear and circular modes;
- real-time clock;
- Voice Activation System (VAS);
- record playback using headphones and PC;
- saving records onto the PC in WAV format;
- 8 independent record mode profiles with the option of switching between them;
- Once Timer configured according to the time and date;
- Daily Timer configured according to the time;
- digital markers to prove record integrity;
- battery status indication, indication of free memory capacity.

6. Battery Charging

Before starting, charge the rechargeable battery. To do this, connect the USB adaptor from the delivery set to the USB port of the PC or charger (e. g. of mobile phone, with output voltage 5V, current rate up to 1.5 A and USB connector). Yellow LED flashing every 3 seconds stands for a fully charged battery.

Attention: even if you don't use the Recorder, the rechargeable battery must be charged at least once a month. Otherwise the battery may malfunction, and that is not covered by the Warranty.

7. Standby Mode

If neither of the Recorder's functions is active, the device is in Standby Mode. LEDs are off.

8. Sound Recording

To switch from Standby Mode to Record Mode, press the REC button twice. Recording can be paused and resumed by pressing the REC button once. To stop recording, press the REC button twice again. Blue and yellow LEDs flashing for three seconds means recording has started. Red LED flashing with three-second interval means recording is in progress. When recording is paused, red LED flashes with a half-second interval. After each recording has been completed, a new audio file with a serial number from 0 to 1000 is saved into the Recorder's memory. When recording is paused and then resumed, audio recording is saved in one file. If during recording, there is no more free memory and circular mode has not been activated, the Recorder stops recording and switches to standby mode. If during recording, battery charge level is at level, where recording can not be continued, the Recorder stops recording and switches to standby mode.

Control in Record Mode

Activate Record Mode (Rec)	Press the REC button twice
Stop recording	Press the REC button twice
Pause recording	Press the REC button once
Resume paused recording	Press the REC button once

9. Record Playback

The recorder switches from standby mode to playback mode by double pressing the PLAY button. When the playback mode is active, the green LED flashes with a three-second interval. When in playback mode, there is an end of recording, or after moving to the end or beginning of it using navigation functions, playback stops, and the green LED starts flashing frequently (half-second interval). After that, if there are no buttons pressed for 16 seconds, the recorder switches to standby mode.

Navigation in Playback Mode

Enter Playback Mode.....	Press PLAY button twice
Quit Playback Mode.....	Press both buttons simultaneously once
Fast forward.....	Keep the REC button pressed
Fast rewind	Keep the PLAY button pressed
Go to the end of current record.....	Press the REC button once
Go to the beginning of current record.....	Press the PLAY button once
Go to the beginning of the next record.....	Press the REC button twice
Go to the beginning of the previous record.....	Press the PLAY button twice
Go to the beginning of the last record.....	Press the REC button thrice
Go to the beginning of the first record.....	Press the PLAY button thrice

10. Deleting Records

To delete an audio file, follow these steps:

- Switch to playback mode.
- Use the navigation in playback mode to go to the desired audio file.
- Press and hold both buttons until the blue LED starts flashing frequently.
- Press the PLAY button once. Constant glow of blue LED means file is being deleted. After deleting the file, the blue LED goes off, the recorder remains in playback mode.

11. Monitoring battery charge level and free memory capacity

The Recorder provides the option to monitor battery charge level and free memory capacity. In standby mode press the Rec and Play buttons simultaneously for several seconds until yellow and blue LEDs start flashing.

The longer yellow LED is on, the lower battery charge level. The longer blue LED is on, the less free memory capacity is on the Recorder. With a fully charged rechargeable battery and fully free memory capacity, the LEDs flash for 1 second with a three-second interval. To quit the mode indicating battery charge level and free memory capacity, press any button once.

12. Recording by Timer

Use the Software to enable and configure timers when connecting the Recorder to the PC. If one of the timers is on, the Recorder automatically switches from standby mode to Record mode at the preset time. Regardless of the timer settings, recording can be enabled manually by pressing the REC button twice. If recording has been enabled manually, it will continue regardless of the timer settings.

13. Voice Activation System (VAS)

Use the Software to enable and configure Voice Activation System when connecting the Recorder to the PC. If VAS is on, while recording the Recorder analyzes sound level. If the sound level does not go beyond the preset threshold for the time set in the VAS settings, the recording pauses, and the red and green LEDs start flashing for 1 second with a three-second interval. In this case, the Recorder continues to scan noise background, and even if a short signal is detected that goes beyond preset threshold, recording will resume.

14. Circular Recording

Use the Software to enable and configure circular recording when connecting the Recorder to the PC. If circular recording is enabled, while recording the Recorder monitors the size of the file being received and if the size goes beyond circular recording buffer (built-in memory area) that has been preset in the settings, the Recorder starts recording over the old data. Thus the final recording will contain most recent sound data, the duration of which does not exceed buffer size.

15. Record Mode Profiles

The recorder has 8 independent record mode profiles. Use the Software to enable and configure active (current) profile when connecting the Recorder to the PC. The active (current) profile can also be activated without connecting the Recorder to the PC. To do this, in the standby mode press the PLAY button once. The red and green LED will start flashing simultaneously. The number of flashes in the series (from 1 to 8) corresponds to the number of the active profile. Pressing the PLAY button again activates the next profile, the first profile is set after the last profile, etc. To switch to Standby mode, press the REC button once. Also, the switch to Standby mode is carried out automatically after the fourth series of indication of the number of active profile.

16. Комплект поставки

1. Recorder
2. USB adapter
3. Headphones
4. Warranty
5. Operation Manual
6. Package Box