

EDIC-mini Ray A36

Miniature digital audio recorder

Edic-mini Ray A36 is the world's first recorder featuring tracking direction pattern.



Opportunities and advantages

Edic-mini Ray A36 is equipped with 8 microphones to generate a direction pattern. These microphones form so-called phased array (similar to the one used in radar). The application of 8 microphones also reduces the inherent noise by 2.5 times.

The device provides several record modes.

The recorded information can be played with the recorder (via built-in speaker or using standard stereo headphones) or downloaded onto the PC using RecManager program. When playing record on the recorder it is easy to control playback using buttons and, if necessary, delete the record without uploading it onto the PC.

Technical Characteristics

- Dimensions: 98 X 35 X 9 mm
- Weight: 40 g
- Case: Metal
- Power supply: rechargeable Li-Pol battery
- Battery life in record mode: up to 300 hours
- Battery life in VAS mode: up to 12 days
- Battery life in stand-by mode: up to 3 years
- Built-in flash memory: 2 Gb, 8 Gb
- Interface: USB-SPI
- Audio recording format: Mono, Stereo
- Frequency band: 100 — 10000 Hz
- Dynamic range: -72 dB
- Voice Activating System: YES
- Timer recording: YES

Modifications

A36-300h
A36-1200h

Last digits in the models' names show the maximum recording duration (sampling rate 8 kHz, 2 bit ADPCM) in hours.

Delivery set



Recorder



USB-SPI adapter



Software CD



Instructions



Headphones

Recording duration

in the mode: 2 bit ADPCM and sampling rate 8 kHz, 16 Kbit/sec

Modification	Recording time, hour	Memory size, Gb
300h	300	2
1200h	1200	8

EDIC-mini Ray

Series Characteristics

Recorders of the Edic-mini Ray family are professional devices intended for making high quality record of voice messages into a built-in flash memory. The recordings can be further uploaded onto the PC and played back with headphones or internal speaker.

Distinctive features:

- High-quality recording and digital noise reduction due to the application of 8 microphones
- Built-in microphones sensitivity: up to 17 meters
- Digitization of audio by 16-bit codec, reduces sound distortion
- Built-in Automatic Gain Control (AGC) system with the opportunity to adjust the record mode to the environmental conditions
- Built-in loudspeaker enables to listen to the recordings without additional accessories
- Built-in memory volume from 300 to 1200 hours;
- In models with rechargeable batteries there is an option to record while charging
- High speed of data exchange with PC using USB SPI interface;
- Signal-to-noise ratio: -72 dB;
- Wide frequency band: up to 40 kHz.

Connecting to a computer

When connecting to the PC carefully observe the consistency: first connect USB-SPI to USB port, and then connect the adapter to the recorder. The recorder switches automatically to charging mode. Flashing LED states that the charging is in progress. To connect the Recorder to the PC and to work with the software see Operational Manual for RecManager.

Voice Activation System

Voice Activation System (VAS) can significantly (up to 100 times) reduce both memory consumption and energy consumption from the power source. The principle of the VAS is as follows: after the user starts recording, the recorder starts tracing signal from the microphone. If the signal is less than the one specified in settings, it is not the sound from a microphone that is stored in memory, but only the time value during which the threshold is not exceeded.

Timer recording

Recording can start automatically, for this the recorder has two timers: a once timer (the beginning and end of the recording are to be set) and a daily timer (the time and date of the beginning and end of the recording are to be set).

Circular Recording

The option of circular recording enables it not to stop recording when the Recorder runs out of memory. After there is no more free memory the Recorder begins to record new data over old ones. Thus, the memory will always contain the most recent records that are no longer written off at the time of writing. The user can devote to circular recording the whole or only a part of the recorder's memory. The volume of the memory specified determines the duration of the resulting circular record.