

# EDIC-mini Tiny16 B43

## Miniature digital audio recorder



Attractive prolonged metallic case available in five colours.  
Power supply - battery or rechargeable battery.

### Opportunities and advantages

The new model is produced in an exceptionally long metallic case, available in five colors. Recording control is carried out with a switch, located in the recorder's end face. The distinctive feature of this model is its power supply - for 80 hours of continuous operation, it requires one standard battery or a AAA rechargeable battery.

B43 has wide frequency range (100-10000Hz), wide dynamic range and a highly sensitive built-in microphone. A built-in real time clock and a calendar are provided, as well as the mode of timer recording. Due to the absence of moving parts, the recorder functions in a wide temperature range (operating temperature diapason: 0...+40°C (32...+104°F), under vibration and dusty conditions. The recorder can be connected to PC via USB port with the supplied cable.

### Technical characteristics

- Dimensions: 85x13x13 mm;
- Weight: 14 g;
- Case: Metal;
- Power supply: standard battery or AAA rechargeable battery;
- Battery life in record mode: 80h;
- Battery life in VAS mode: 264h;
- Battery life in stand-by mode: 9 months;
- Built-in flash memory: 2Gb, 4Gb, 8Gb;
- Interface: USB 1.1
- Audio recording format : Mono;
- Frequency band: 100-10000 Hz;
- Dynamic range: -80 dB;
- Sample rate: 5, 6.6, 8, 10, 13.3, 20;
- Voice Activating System: YES;
- Timer recording: YES.

### Recording duration

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

### Modifications

- B43-300h
- B43-600h
- B43-1200h

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

### Delivery set



Voice recorder



USB cable



Software CD



Instructions



AAA Rechargeable Battery, 1 piece

### Optional accessories

- Miniature amplifying external microphone (+10 dB)
- Programmed External Microphone with AGC

Modification	Recording time, hour	Memory size, Gb
300 h	300	2
600 h	600	4
1200 h	1200	8

# EDIC-mini Tiny16

## Series Characteristics

Voice recorders of the Edic-mini Tiny16 series are professional devices, intended for making high quality record of voice messages into the built-in flash memory. You can playback recorded messages using the headphones and save them into your PC as standard sound files.

Tiny16 voice recorders are of extremely small size and weight, have a long record duration (varies depending on the modification - up to 2400 hours) and autonomy operation (up to 400 hours), a wide dynamic range and a highly sensitive built-in microphone.

This series of recorders is distinguished by higher recording quality because of its 16 bit audio codec that provides more accurate signal digitizing. Built-in AGC system provides flexible adjustment of settings according to the acoustic conditions. All these characteristics including microphone's high sensitivity (operating distance of up to 10-12 m) allow get high-quality recording in challenging environment: disturbances, noise, or a long distance.

Easy-to-use and versatile software allows selectable sample rate and compression algorithms to extend recording duration with recording modes - voice activation, continuous loop, single pass & scheduled timer. Windows software controls the device configuration, file transfer and message listings, which allow you to listen to recordings through your PC. Recorders of this series use ADPCM compression method, which makes possible perfect compressing of any sounds without specific distortions.

Voice Activating System (VAS), supported by Tiny16 audio recorders, effectively compresses pauses in messages, therefore increasing the actual record time. Using this system saves memory during pauses, but the time intervals remain. When downloading records to PC, the pause length can be either restored (as silence) or passed, depending on the settings made.

Stylish design makes the models ideal for custom surveillance installations.

## Having traditionally small size, the models of Edic-mini Tiny16 series feature the following:

- Recording time: up to 2400 hours;
- Battery life: up to 400 hours;
- Extended recording frequency band (100-10000 Hz), sampling rate: from 5 to 20 KHz;
- 4 compression modes: without compression, u-law (64 K bit/sec), ADPCM2, ADPCM4 (16K bit/sec);
- Current consumption:
  - In recording mode at 3V voltage: 2 mA,
  - In VAS mode: 200 mA,
  - In stand-by mode: 50 mA.
- Supply voltage: 1-1.5V or 2.7-3.3 V;
- Built-in microphone sensitivity 10-12 m;
- Signal/noise ratio: - 80 dB;
- Data exchange with the PC through the supplied USB adapter (USB 1.1 or 2.0 interfaces);
- Built-in real time clock;
- Timer recording;
- Information protection system;
- Unique digital signature of the recordings made;
- Opportunity to use the recorder both for message recording and as a flash-disc to store and transfer data of any format.