Digital voice recorders of EM CARD 16

Short Operation manual

Purpose

The recorders of the Edic-Mini CARD (16) series are professional devices intended for making high quality record of voice messages onto microSD flash card with the capacity from 2GB to 32 GB.

Recorders of the Edic-Mini series feature really unique characteristics, among which the tiniest size, maximum autonomy, and high acoustic sensitivity. The recorders have proved themselves as personal means of recording audio information. The recorders are meant for domestic use by a mass consumer.

Audio files are recorded in standard WAV format using FAT32 file system, enabling the user to playback the recordings on almost any PC, tablet or mobile phone by a standard media player. To process records and to facilitate the conversion of records to text, there is the SoundProcessor program operating under WIndows XP (SP2, SP3), Vista, Windows 7, 8. This program is on the supplied flash card and is also available for download from our website: www.ts-market.com.

Main technical characteristics of the recorders:

Model	Power Supply	Dimensions (mm); weight (g)	Autonomy, h	Signal-to-noise, dB	Sensitivity, m	Samping rate, kHz	Frequency band, kHz
CARD16 A91	Rechargeable battery	97,2x65,6x12; 72	264	80	15	8;16	0,1-10
CARD B94	CR2450 Battery			72	15	8;16	0,1-10

CARD16 A95	Rechar-geable battery	77x27x3.5; 12	70	80	15	8;16	0,1-10
CARD16 A96	Rechar-geable battery	65x18; 28	500	80	15	8;16	0,1-10
CARD16 A99	Rechar-geable battery	38x18.5x23.5; 26	120	80	15	8;16	0,1-10
CARD16 A97	Rechar-geable battery	55x17x5; 7	30	80	15	8;16	0,1-10
CARD A98	Rechar-geable battery	37.1x14.3 x10.8; 4	18	72	15	8;16	0,1-10

*take into account that the parameter of autonomy is specified for Record Mode 8KHz/8 bit, in case of higher sampling rate or capacity, autonomy value is lower (for 16 KHz/16 bit approximately by two times for the recorders with rechargeable batteries and by four times for the recorders with batteries). Autonomy value considerably depends on battery capacity, its recency, as well as on the model of microSD in use.

- Battery life for a flash card with the capacity of 8 GB:
  in the mode 8 KHz/8 bit - 272 hours,
  8 KHz/16 bit and 16 KHz/8 bit - 136 hours,
  16 KHz/16 bit - 68 hours.
  For flash cards with alternative capacity values, battery life is measured in direct ratio to battery capacity.
- Allowable operation-and-storage temperature: 0…+50°C
- Operating lifetime: 3 years (The manufacturer reserves the right to refuse in repair after the expiration of recorder operation life)

Main Features

- VAS (Voice Activation System).
- 4 timers to enable recording at the preset time.
- Linear and circular recording (black-box mode).
- Built-in clock, calendar, attachment of records to time and date.
- Control and indication: Switch and 2 LEDs.

In Box

- Recorder
- USB Reader to operate flash card
- 2 GB flash card
- 1 battery (for the recorders with batteries)
- USB cable for charging (for the recorders with rechargeable batteries)
- Operating instruction.

Operating the Recorder

For recorders with batteries, install the battery into the corresponding compartment. When installing, always observe polarity (see marking on the Recorder's case). Inappropriate installing of battery may lead to failure of the Recorder system, which is not covered by the Warranty. Do not store the Recorder for a long time with a battery inserted, as the battery may leak and lead to Recorder failure, and that is not covered by the Warranty.

For recorders with rechargeable battery, first charge the battery. To do this, gently and without strain follow the correct polarity, insert the flat side of the supplied cable into the connector of the flash card, and the other side to the USB port of the PC or a charger, e.g. of a mobile phone, with output voltage 5V and a USB connector. It should be considered that a charging cable does not have a rigid fixation in the flash card connector, that's why both cable and the Recorder should be placed in the way to

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maintain contact while charging. During charging red LED is on, after charging has been completed, green LED is on. Full charging takes approximately 3-4 hours. To retrieve charging cable, press on the cable and retrieve it.

Please note! In order to avoid deep discharge and related damage of the rechargeable battery, the Recorder must be charged at least once a month. The failure of the battery due to its deep discharge is a violation of the rules of operation.

MicroSD Card Preparing

MicroSD card which is in the delivery set, doesn't require any preliminary preparation. It is formatted in FAT32 and there is also a configuration file CONFIG.INI containing Recorder's settings; text file EVENTS.TXT containing information about using the Recorder; detailed instruction to operate the Recorder, and SoundProcessor program. Procedure of other microSD card preparation, as well as Recorder's settings is described in Full Operation Manual.

Recommended! Transfer information on your flash card to your PC!

Starting the record

To start recording, set the Switch to On position. Green LED flashes, and the Recorder starts recording. During recording, green LED is flashing by two series of flashes, indicating:

Number of flashes	Battery charge level (1st series)	Free memory capacity (2d series)
1	80-100%	75-100%
2	20-80%	50-75%
3	2-20%	25-50%
4		1-25%

Red LED flashing when enabling recording states for one of the following contingency situations: 3 flashes - battery or rechargeable battery is discharged, 3 series of 3 flashes indicate flash card failure (full, cannot be read or not available). To stop recording, shift the Switch to Off position. Green LED flashes and recording stops.

Record Playback

By pressing on the flash card, remove it from the Recorder. Insert flash card into the supplied reader, then connect Reader with the card to the USB port of the PC. Flash card should be recognized as a separate disk with recorded WAV files of audio recording, which can be played back by any media player.

To avoid failure of audio files, it is prohibited to remove flash card while any of the LEDs is on.

Reset

In case of a contingency situation with Recorder's rechargeable battery, use any pointed object (match, toothpick etc.) to press the Reset button. Green LED flashes once. For the recorders with batteries - remove the battery and insert it back after a while.

Detailed information about capabilities of recorders is available in Full operation manual on recorder's microSD card, as well as on our website: www.ts-market.com

Warranty

The manufacturer undertakes warranty repair liabilities for 1 year from the date of purchase, but no longer than 2 years from the date of manufacture of the product (warranty does not cover batteries). Paid repair is provided within recorder's operation lifetime (3 years). Other rules are regulated by the Law "On Protection of Consumers' Rights".

Further there is usually a long list of non-warranty cases. We have a different approach.

We make use of every warranty case as an opportunity to find out the causes and make our products better. Therefore, we are always grateful for any comments and proposals regarding our products, as well as the detailed description of the conditions and causes that led to failure. We appreciate time and skills of our customers, and if the problem is not that complicated, we do not mind if you try to solve the problem yourself. If the attempt to repair was fairly neat, you do not lose your warranty. In case of major breakdowns and mechanical damage to the

Recorder, your warranty will be terminated. Our products have no seals. If you are experiencing problems with the use of our products, we recommend the following:

1. Go to www.ts-market.com and see a list of common problems and their solutions. Perhaps there is a solution to your problem.

2. If the problem persists, contact technical support at support@ts-market. com with the detailed description of your problem, the conditions it appeared, the exact product name according to the passport, firmware, software, operating system, and other relevant information. Remember, the better you describe the problem, the sooner it is resolved. The calls like "It doesn't work at all!" are least effective. E-mail correspondence is most effective because it preserves history and minimizes misunderstanding. You will receive a response to your request by e-mail within 24 hours (excluding weekends and holidays).

Technical Support

Technical support is available by e-mail: support@ts-market.com
We are constantly working to improve the software and documentation. You can always download the latest version of the software for free and get information on products on our website: http://www.ts-market.com**.**