

Short Operating Instruction for EDIC-mini CARD16 Recorders

The recorders of the EDIC-mini CARD16 family 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.

Main technical characteristics of the recorders:

Model	Power Supply	Dimensions, mm	Weight, g	Autonomy, h	Signal-to-noise, dB	Sensitivity, m	Sampling rate, kHz	Frequency band, kHz
CARD16 A91	Rechargeable battery	97x66x7	72	600	80	10	8;16	0,1-10
CARD16 A95	Rechargeable battery	77x27x3.5	12	40	80	10	8;16	0,1-10
CARD16 A96	Rechargeable battery	19x65	28	160	80	10	8;16	0,1-10
CARD16 A97	Rechargeable battery	55x17x5	7	30	80	10	8;16	0,1-10
CARD A99	Rechargeable battery	38x18.5x23.5	26	160	80	10	8; 16	0,1-10
CARD16 E92	Rechargeable battery	30x17x5	5	-	80	10	8; 16	0,1-10

*The parameter of autonomy is specified for Record Mode 8KHz/8 bit, in case of higher sampling rate or bitrate, autonomy value is lower (for 16 KHz/16 bit approximately by half). Autonomy value considerably depends on the model of microSD in use and can vary to be higher or lower.

- Recording duration for a microSD 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 microSD with alternative capacity values, recording duration is measured in direct ratio to battery capacity.
- Allowable operation-and-storage temperature..... 0+50°C
- Operating lifetime.....3 years

Main Features:

1. 4 timers to enable recording at the preset time
2. Built-in clock, calendar, attachment of records to time and date
3. Control and indication: Switch (ON/OFF) and 2 LEDs (green, red).

Operating the Recorder

1. Charging the Recorder

For recorders with rechargeable battery

First charge the battery. To do this remove microSD from the Recorder. Then insert the supplied cable into the connector of the microSD, and connect the cable to the USB port of the PC or any other power source with output voltage 5V and a USB connector with a current of at least 500 mA and no more than 1000 mA. During charging, red LED is on. Full charging takes approximately 3-4 hours. As the charging is completed, green LED will be on. To retrieve charging cable, gently press on the cable and retrieve it.

Important! 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, which is not covered by the Warranty.

For voice recorders with external power source (E92 model)

Connect a DC voltage source (3.6-6V) to connectors 1 (golden wire - minus) and 2 (red wire - plus) of the cable from the delivery set. If the voltage source is a Li-Pol battery, then by connecting the contacts 2 and 3 (green wire) of the cable you can provide current of 100 mA (by connecting an adapter to the voice Recorder and connecting the adapter to the computer's USB)

2. Preparing microSD Card

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 and EVENTS.TXT file with detailed instruction to operate the Recorder.

If you need to use a new memory card, first make sure that the file system installed on the card is FAT32, then simply insert the new microSD into the Recorder and shift the Switch once Off-On-Off.

When replacing the card, it is strongly recommended to format new microSD in the FAT32 file system.

3. Recording.

To start recording, set the Switch to ON position. Red LED flashes 5 times, and the Recorder starts recording. During recording, red LED is flashing by two series of flashes, the number of flashes indicating:

Number of flashes	Battery charge level (1st series)	Free memory capacity (2nd series)
1	70-100%	75-100%
2	30-60%	50-75%
3	2-30%	25-50%
4		1-25%

To stop recording, shift the Switch to OFF position. Red LED flashes and recording stops.

A series of flashes when enabling recording that are different from the above mentioned state for one of the following contingency situations: 3 flashes - battery is discharged, 10 flashes indicate microSD failure (full, can not be read or not available).

4. Record Playback

Make sure the Switch is in "Off" position (Removing the microSD from Recorder during recording may lead to audio file damage). By gently pressing on microSD card, remove it from the Recorder. Insert microSD card into the supplied USB reader, then connect it to the USB port of the PC. MicroSD card should be recognized as a separate disk with recorded WAV files of audio recording, which can be played back by any media player.

5. Reset.

In case of a contingency situation with the Recorder, use any pointed object (toothpick etc) to press the Reset button (the hole on the case, marked R / Res / Reset). In case the card is installed, red LED will be on. If there is no card installed, there will be 10 flashes to indicate its absence. For the recorders with external power source, in case of any malfunction, disconnect and then connect power source again.

In Box:

1. Recorder
2. USB Reader to operate microSD card
3. microSD card
4. USB cable for charging
5. Short operating instruction with Warranty Certificate
6. Package box

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), other rules are regulated by the Law "On Protection of Consumers' Rights".

Further there is usually a long list of cases when the user loses warranty. 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, chemical exposure or mechanical damage to the Recorder, the manufacturer will not be able to continue the warranty service of this device. 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 (FAQ section) 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. Calls and mails 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).