

Short Operating Instruction for EDIC-mini Dime

Purpose

Professional recorders “Edic-mini Dime” intended for making high quality record of voice messages into built-in flash memory. The recordings can be further uploaded onto the PC/tablet/smart phone and other devices supporting external carrier connection. The series includes small-sized voice recorders featuring digital microphones and internal flash memory.

Main technical characteristics of the recorders

Model	Power supply	Dimensions (mm)	Weight (g)	Autonomy (hours)*	Signal-to-noise, dB	Sensitivity	Bit depth (bit)	Sampling rates (kHz)	Frequency band (kHz)	Quiescent current	Recording current 8KHz/8bit
Dime A124	rechargeable battery 35mA	51.5x12.5x5	3.5	40	70	15	up to 24	8;16;22	0,1-10	1,7 μ A	0,8mA
Dime A125	rechargeable battery 120mA	45x15x7	65	130	70	15	up to 24	8;16;22	0,1-10	1,7 μ A	0,8mA
Dime A120	CR2016	d24,6x8	5	80	70	15	up to 24	8;16;22	0,1-10	-	0,8mA
Dime A120w	CR2016	31.5x26x6	5	80	70	15	up to 24	8;16;22	0,1-10	-	0,8mA

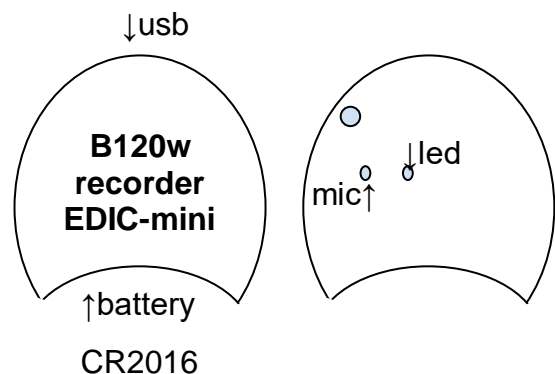
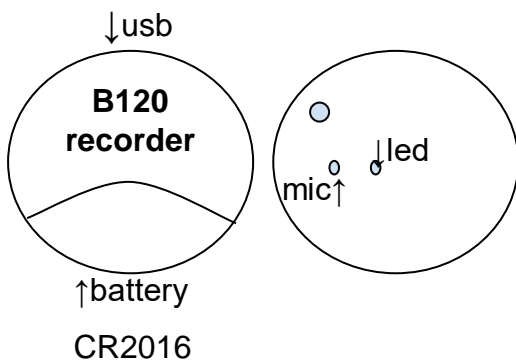
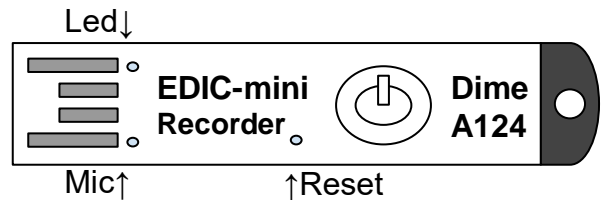
* The size of the case may differ slightly from the size shown in the table within 0,5 mm.

**recording duration is specified for record mode 8kHz/8 bit, the autonomy is lower with higher sampling rate or bit depth.

- PC communication interface - USB
- Permissible temperature of operation and storage 0 .. + 50C
- Operating lifetime 3 years

Main Features

1. Recording using a MEMS microphone with a 24-bit audio codec, the dynamic range of the codec is 144 dB, the signal-to-noise ratio is 70 dB;
2. Acoustic sensitivity up to 15m, recorded frequency band 0.1-15kHz, sampling rates 8, 16, 22 kHz;
3. Markers based on the Diffie-Hellman cryptographic protocol, which allow you to confirm the authenticity of the record in court. (except for B120 and B120w models - implementation in the next software update);
4. Password protection of records;
5. Marking the recordings with the date and time, as well as the serial number of the recorder;
6. Adjustment of the gain level;
7. Built-in real-time clock with calendar. Timers to enable recording at the right time and date. (except B120 and B120w models);
8. Voice activation System (VAS), linear and circular recording (audio recorder mode);
9. Operation and indication: buttons (B120 on/off by installing the battery) and LED;
10. Connecting to any OS that supports connecting external devices (Windows, Linux, Android, macOS, etc.);
11. Setting the operating modes using the configuration file;
12. Low consumption currents, ultra-small dimensions and weight.



Recorder's memory fill depends on the selected recording mode:

RecordMode	Max time until memory is full (unless VAS or circular recording is enabled)	
	Dime B120	Dime A124, A125, B121
0 – PCM 22 kHz 24 bit	1 hour	4 hours
1 – PCM 22 kHz 16 bit	1 hour 30 min	6 hours
2 – PCM 16 kHz 24 bit	1 hour 30 min	6 hours
3 – PCM 16 kHz 16 bit	2 hours 15 min	9 hours
4 – PCM 8 kHz 24 bit	3 hours	12 hours
5 – PCM 8 kHz 16 bit	4 hours 30 min	18 hours
6 – uLaw 8 kHz 8 bit	9 hours	36 hours
7 – ADPCM 8 kHz 4 bit	18 hours	72 hours

Getting Started

For recorders with rechargeable batteries, first make sure the rechargeable battery is fully charged. Charge the battery if necessary by using interface cable from the delivery set to connect the Recorder to the PC or power supply (e.g. of a smartphone) with output voltage 5V and a standard USB output.

Charging process is accompanied by smooth lightening and attenuation of LED with an interval of 1 (the battery is discharged) to 3 seconds (the battery is charged). Full charging takes about 2 hours.

When charging is completed, disconnect the cable from the computer or charger.

Important!!! In order to avoid deep discharge and related damage of the rechargeable battery, the Recorder must not be stored with a discharged battery.

Recording

To enable recording keep the START button pressed for about a second until the LED starts flashing. For models with a switch, turn the switch to the ON position.

For B120 model, recording is enabled after the battery is installed, and recording is stopped when the battery is removed. (*Important! Due to the on/off principle in the B120, from 1 to 15 seconds of the end of the recording may not be saved.*) The LED flashes 3 times, and recording starts.

To stop recording, press and hold the "Start/Stop" button until the LED lights continuously or turn the switch to the "OFF" position.

During recording the LED flashes in two series, the number of flashes indicating:

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

Recording also automatically stops when the battery is completely discharged or when the memory is full.

Recording can also be enabled with the start of charging process. To do this, first start recording, then set it to charge, until the recording stops, the display will correspond to the recording mode. To combine the installation charge and the inclusion of the timers is unacceptable at a specified time, recording will not start. Combining charging and VAS mode is acceptable.

Record Playback

To playback, copy or delete the records made, connect the Recorder to the PC using interface cable. The Recorder is recognized in the PC as a removable media (flash drive). The Recorder's drive contains records in wav format (to playback them use any media player) and a config.ini configuration file with the settings of the Recorder.

Important!!! Creating or saving files (except for the settings file) on the Recorder's drive is unavailable.

For more detail on operating records, file name interpretation see full Operation Manual

Setting the Recorder's Parameters

To configure the Recorder's parameters, set its internal clock and password, open config.ini in any word processor and set the desired parameters. After forming the file with the settings through the Configurator, download and save it on your PC, delete the old config_w.ini file from the recorder, and put the previously downloaded one in the root of the recorder folder. The Recorder's clock synchronizes automatically with the PC as the configuration file is saved.

For more detail on the Recorder's configuration see full Operation Manual

RESET

In case of a malfunction of a rechargeable battery recorder, use any metal object (paper clip) to close the reset contacts (RESET on the case).

In Box:

Recorder

Interface cable (except A124)

Battery CR2016 (only for B120)

Operation manual

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).