Short Operating Instruction for EDIC-mini 3D-recorder

Purpose:
EDIC-mini 3D-recorder is a professional stationary stereo recorder. The Recorder features three microphones and two memory card slots. The use of digital microphones with a built-in 24-bit audio codec ensures maximum recording quality in the most difficult conditions, as well as high acoustic sensitivity (up to 18 m) and a wide dynamic range (24-bit). The presence of markers allows it to confirm the authenticity of the record in court. Recording is carried out onto a microSD card up to 256GB, which provides up to 1 year of continuous recording.

Main Technical Characteristics of the recorders:

Model	Power Supply	Size (mm)	Weoght (g)	Autonomy (h)	Signal-to-noise (dB)	Sensitivity (dB)	Sampling rates (kHz)	Frequency band (kHz)	Charging interval
3D	Rechargeable battery	20x98x98	66	150	65	-80	8;16;32	0,6-15	once a year

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

Average current consumption: in record mode (8kHz / 8bit) 5mA (depending on the card), in standby mode 2.5µA without a card installed.
Operating and storage temperature range .... 0- + 50C
Operating lifetime ………………………………… .3 years

Functions:
1. Stereo recording, 3 microphones
2. 3D record mode. The track of the 3rd microphone is mixed into the first two
3. Voice Activation System (VAS)
4. Timers to start recording at the preset time (4 pcs) (once and daily);
5. Linear and circular recording
6. Digital markers to check record authenticity and prevent unauthorized modification of files; Calendar, time and date attachment
7. Encryption of the records made
8. Control and indication: buttons and LED;
9. Playing back the recordings using headphones
10. Full functionality while charging
11. 2 slots for memory cards, SD format
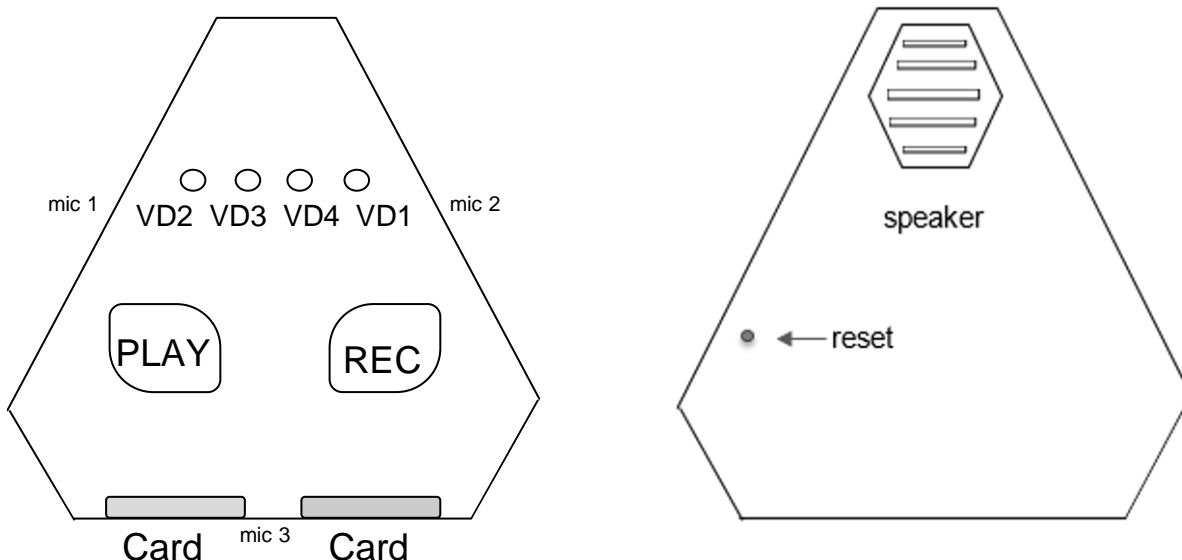
Operating the Recorder
1. Battery Charging
Before starting make sure the rechargeable battery is charged. Charge the battery if necessary.
Connect the supplied cable to the microUSB port of the Recorder, then connect it to the USB port of the PC, or to any other USB charger with an output voltage of 5V and a current of at least 500 mA. During charging, the blue LED will be on (VD4), upon completion the green LED is on (VD2). Full charging takes 3-4 hours. The Recorder can also be used during charging.

2. Preparing SD Card

SD card which is in the delivery set, doesn't require any preliminary preparation. It has a configuration text file CONFIG.INI containing Recorder's settings.

If a new memory card needs to be used, first make sure that the file system installed on the card is FAT32 or ExFat. Next, install a new SD into the Recorder. The Recorder will generate a configuration file. With the first use of a new SD card a long initialization is permissible (up to 1 minute).

3. Recording

To start recording press the REC button once for 1 second. The red LED (VD1) flashes once and recording starts.
During recording, the LED flashes in 2 series, the number of flashes showing:

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%

To stop recording, press the REC button once for 1 second. Red LED will be on to indicate recording has stopped.
DO NOT REMOVE MEMORY CARD DURING OPERATION OR WHILE THE LED IS ON
Failure to do so may damage the recorded file.

Note: Any number of flash series that is different from the above mentioned states for one of the following contingency situations: 3 flashes - rechargeable battery is discharged, constant flashes of red LED indicate microSD card failure (full, can not be read or not available).

4. Record Playback

The Recorder switches from standby mode to playback mode after a single short pressing of the PLAY button for 1 second. The Recorder start playing the last file recorded, indicating battery status with periodic green flashes (VD2). The flashing pattern for assessing battery level is similar to the recording process. Recording can be played back through the built-in speaker or headphones (during this process the way to playback the file cannot be changed).

When the end of the current recording is reached, or after moving to the end of the recording using navigation functions, playback stops, which is indicated by a rapid blinking of the green indicator. After that, if neither of the buttons id pressed for 10 seconds, the Recorder goes to standby mode. To exit playback mode press the PLAY button for long.

5. Configuring the Recorder. Editing configuration file through word processor.

First make sure the Recorder is not in record or playback mode. Then remove the microSD card from the Recorder. Using microsd-USB or SD-microSD connect the card to the PC, a smartphone, or tablet. Open the Config_Card24.ini file using word processor, and start editing. To set the recording parameter, as well as to enable / disable settings, select the corresponding value in the line with the parameter after the "=" symbol

Configurator program for creating a configuration file.

The supplied SD card contains a folder with the corresponding software. There is Confiq_card24 prog program in this folder. Also, this program is available for download from www.ts-market.com

● Run the Confiq_card24 prog program on your device, select the required settings and click the button 'Download new settings'

● This program generates a new configuration file for your Recorder.

● Delete the old configuration file from the microSD card replacing it with the newly created one.

This program is designed as a java application, it uses any browser available on the device (your PC, tablet, smartphone, etc.). The program operates offline (no internet connection needed).

Note: before removing the memory card, the Recorder should not be in one of the operating modes, all its indicators being off. Failure to comply with this requirement may lead to an incorrect termination of the process operating the memory card and to the loss of all information on it.

Important! In the mode of simultaneous recording on 2 cards, the recorder writes only in 16/16 mono format, and the records are not marked with a digital signature.

Detailed information on the operation, functions and programming of the Recorder is available in the full operating instructions on the company's website www.ts-market.com.

In Box:
1. Recorder;
2. SD card;
3. Headphones with 3.5 mm jack
4. Charging cable;
5. Short operating instructions with a warranty card
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 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 (Support/FAQ) 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@telesys.ru 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.