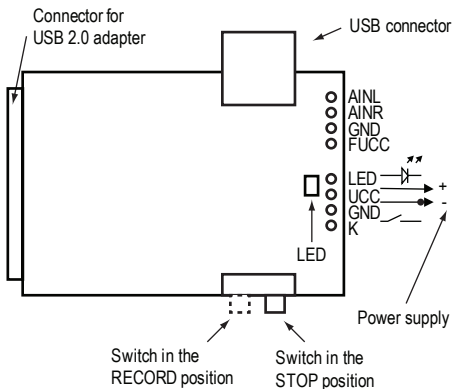## EMM Tiny S3 3600h/7200h Model

Characteristics

- Printed circuit board;
- Dimensions: 6x27x40 mm;
- Weight : <6 g;
- Recording mode: mono;
- Consumption current
  (sampling rate 8 KHz, without compression,
  mono): <2.7mA
- Consumption current in record mode with
  VAS (audio signals below threshold):
  0.7 mA
- Consumption current in stand-by mode:
  < 210 micro A
- Supply voltage: 3V
- Recording duration: 3600h or 7200h.

In box

- Device;
- USB cable;
- Software CD or Flash drive;
- Instructions.

Appearance

Connector for USB 2.0 adapter

USB connector

AINL
AINR
GND
FUCC

LED
UCC
GND
K

+

-

LED

Power supply

Switch in the RECORD position

Switch in the STOP position

Abbreviation	Function	Parameters	Notes
AINR	Right channel input	2.9 Vpp voltage with constant component of 1.5V	
AINL	Left channel input		
GND	Ground		
FUCC	+power supply of external source of signal (microphone)	3±0.2 V voltage, load current<10 mA	Voltage is in recording mode only
LED	Output of indication	Connection for external indicator	Red LED is recommended
UCC	+device power supply	3±0.2 V voltage	
GND	Ground		
K	External control	Connected with GND – recording, disconnected-stop recording	The module's switch has to be in the STOP position

**Connecting the Edic-mini Tiny S3
3600h/ 7200h**

Connect power source to UCC (+) and GND (-).

Attention! While connecting the module to a power source, check the polarity. Otherwise, the device will be damaged.

Use the AINL and AINR connectors for signal sources that provide 2.9Vpp voltage with a constant component of 1.5V. For mono recording, use the AINR connector.

Use the FUCC connector for power supply of external signal's sources. After recording is on, the FUCC connector provides a 3±0.2V voltage output with a maximum load current of 10 mA.

You can use the Telesystems' microphones as the signal sources for the USB recorder mini. The Telesystems recommends using a LED as an external indicator. For this there is a LED connector on the module's case along with the K connector for an external control. The external control has to connect the K connector to the GND connector to start recording and disconnect it to stop recording.

After you mounted the module and connected it to a power source, set the module's switch into the

RECORD position for 2-3 seconds and then return it into the STOP position again. The LED has to flash three times and starts self testing (if the LED does not flash, check if the module has a power supply). After 5-10 seconds, the LED will flash the fourth time. The last flash will continue for about 1 minute. After the LED turns off, the module will be ready for work.

Attention!
The module is sensitive to the presence of static electricity. While soldering, use an antistatic wrist band and ground the soldering equipment.

Start/Stop Recording

To start recording, set the module's switch onto the RECORD position. When the recorder starts recording, the LED flashes five times. When the recorder stops recording, the LED flashes once. The duration of the last flash can be a dozen seconds depending on the recorder's memory size.

While recording, the sequences of LED flashes show the level of charge of the battery and memory capacity:

the first sequence:

    1 flash – fully charged,

    2 flashes – there is enough charge for work,

    3 flashes mean that the battery is almost discharged (it should be charged)

and the second sequences show the free memory capacity:

    1 flash – 76%-100%,

    2 flashes –from 50% to 75%,

    3 flashes – from 25% to 50%,

    4 flashes – from 1% to 25%.

Using USB 2.0 adapter

To accelerate downloading, the module has a connector for the Telesystems' USB 2.0 adapter. To use it, connect the adapter to the module. Then in the RecManager program select the USB 2.0 Connection option.

Table 1.

	Without compression	uLaw	ADPCM 4 bits	ADPCM 2bits
5 KHz	2.9 / 3.5	2.5 / 3.3	2.4 / 3.7	2.4 / 3.5
8 KHz	2.8 / 5.2	3.2 / 4.1	3.3 / 5.1	3.1 / 4.4
11 KHz	3.5 / 4.8	3.3 / 5.2	6.8 / 6	3.7 / 5.7
16 KHz	5.1 / 6.5	4.1 / 6.6	5.2 / 6	4.4 / 7.1
22 KHz	4.7 / 7.3	5.1 / -	6.2 / -	5.8 /

The table below shows consumption currents in different recording modes U power source = 3V (mono mode)

Designed and manufactured by the
Telesystems Ltd.

The Manufactory Warranty Coupon

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 (5 years). The manufacturer reserves the right to refuse in repair after the expiration of recorder operation life. This warranty is voided if the recorder is:

- improperly used
- mechanically damaged
- received without supplier warranty tag on this document

All questions regarding product exchange and return must be solved with the seller's company according to Protection of Consumers Law.

Model: ☐ 3600h   ☐ 7200h

Number _____

QC _____

Selling date _____

Seller _____

Address:
TS-Market Ltd.
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Tel: +7 (495) 638-8800;
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