

# **Short Operating Instruction for Digital Video Recorder mAVR H.264SB**

## **Overlook**

The  $\mu$ AVR-H.264SB audio/video recorder is intended for professional recording of video and audio signals onto flash memory card (up to 32 GB). The recordings can be further uploaded onto a computer, decoded (converted) and played back. When connecting a GPS-receiver to the recorder, place coordinates will be recorded during the recording.

The recorder can provide video recording either from the built-in recorder video camera or from an external source (external video camera, video player, TV video output etc.). Tuning the recorder parameters, you can optimize brightness, contrast range, saturation, and color.

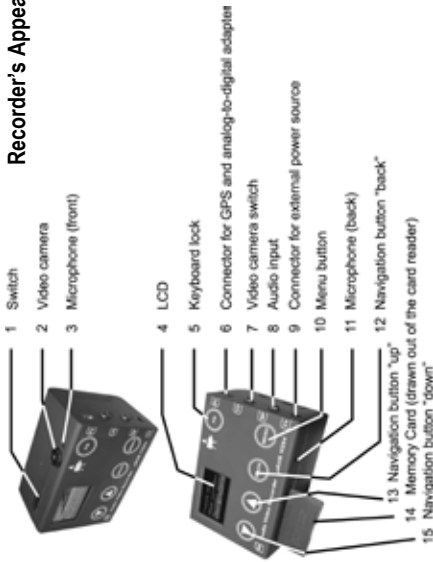
The recorder can provide audio recording either from the built-in microphone or from an external source. You can control the amplification manually or by using an automatic system (mono or stereo). The recorder has extremely small size and weight, high recording density (high recording quality is

preserved), low power consumption, frequency band up to 20kHz and a wide dynamic range up to 95 dB (audio) and 68dB (video).

The recorder has a built-in clock and calendar with an option to correct their accuracy. There is an option to start and stop the recording at the preset time. With the help of 10 independent timers, available in the recorder you can set the recording's duration along with the time, date or weekday when it will automatically begin. You can set the recorder's parameters to start recording according to the sound level and motion. There is also an opportunity for prehistory recording.

The recorder consumes power either from a rechargeable lithium battery or from an external power source. When getting power supply from an external power source, the recorder's rechargeable battery is charging. The recorder can provide power supply for external video camera with output voltage option (5 or 12 V).

## Recorder's Appearance



## Technical Characteristics

- Recording time of built-in video camera with fully charged battery: 8 hours;
- Recording time on 8Gb compact flash card with the best quality up to 16 hours;
- Rechargeable battery life in stand-by mode: up to 12 months;
- Built-in camera resolution: 640x480;
- Video input: NTSC, PAL, SECAM;
- Compression of video signal: H.264;
- Compression of audio signal: AAC;
- Frequency range: 80–20 000 Hz;
- External video camera useful current: up to 150 mA;
- SD-card capacity: up to 2 Gb;
- SDHC-card capacity: from 4 to 32 Gb;
- Rechargeable battery capacity: 20000 mAh;
- Rechargeable battery: Li-Ion;
- Charging time: ~ 7 Hours;
- Dimensions: 54x40x29 mm;
- Weight (rechargeable battery not included): 36g;
- Operating temperature range: 0–40 °C;
- Operating lifetime: 5 years.

## **Video Recorder Starting and Testing**

Connect a charged battery to the device. Press “FN” button and unlock the keyboard following the instructions on the LCD. Insert memory card (bond pads down) into the recorder’s card reader (see position 14). After the card is scanned and set, the device is ready to start operating. To start the recording move Switch (position 1) to the right. To stop the recording move Switch (position 1) to the left.

Remove memory card. Copy the following directory from the shipped Software CD: \Miniature Audio-and-Video recorders\ MAVR H264S\Manager\v1\_15. Connect memory card to the PC through card-reader.

Run mavr\_h264S\_v115 program. Choose “Setting” tab. Click on “Setting”. In the appeared window browse for the directory of memory card. Then enter a directory to save these files on the PC. Shift to “Conversion” tab and click on “Scanning”. All the recordings will be displayed on the screen. Select the required ones and press the button “Conversion”. An mp4 file will be saved in the folder specified. The file can be played back by a standard player installed in Windows Operating System.

## **Battery Charging**

Connect the recorder to 220V power network using power adapter (5B connector to connect the adapter).

Full charging takes approximately 7 hours. A pictogram on the recorder's control panel displays the work mode of the charging process.

## **In Box**

1. Audio/video recorder mAVR H.264SB;
2. Cable for video input with a remote control;
3. Power adapter;
4. Rechargeable Battery Li-Ion;
5. 2Gb SD Memory Card;
6. Software CD;
7. Instructions;
8. Warranty certificate.

## **Accessories**

1. Remote Microphones;
2. GPS-receiver;
3. Automobile mAVR holder;
4. Analog-to-digital adapter;
5. Automobile adapter.

\*For more details see Operational Manual on our website [www.ts-market.com](http://www.ts-market.com).

## **Manufacturer Warranty Coupon**

Warranty: **The Telesystems Company** provides warranty repair for 1 year from the selling date, but not more than 2 years from the manufacturing date.

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.

## Video Recorder mAVR H.264SB

Number: \_\_\_\_\_

QC: \_\_\_\_\_

Selling date: \_\_\_\_\_

Seller: \_\_\_\_\_

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