

MECHEN V01

MECHEN V01 128GB Digital Voice Recorder User Manual

Model: V01

Brand: MECHEN

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1. INTRODUCTION

Thank you for choosing the MECHEN V01 Digital Voice Recorder. This device is designed for high-quality audio recording, offering a range of features to meet your needs in various environments, from lectures and meetings to personal memos. Please read this manual carefully to understand the device's functions and ensure optimal performance.

2. KEY FEATURES

- **Massive 128GB Internal Memory:** Store over 1000 hours of recordings (WAV 512kbps) or 1200 hours of MP3s without needing an SD card.
- **Voice Activated Recording (VOX):** Automatically starts and stops recording when sound is detected (threshold of 30 dB), conserving memory and battery.
- **Automatic Noise Reduction:** Reduces background noise by up to 60% for clear, crisp voice recordings.
- **Password Protection & AES-128 Security:** Secure your recordings from unauthorized access with password encryption.
- **Dual Microphone with 360° Detection:** Capture conversations clearly up to 10 meters away, even in environments with 65 dB ambient noise.
- **Long Battery Life:** 300 mAh battery provides up to 15 hours of continuous operation on a single 1.5-hour charge.
- **Automatic Data Storage:** Recordings are automatically saved when the battery level drops to 5%, preventing data loss.
- **Compact and Portable Design:** Pen-like size (12 cm) for discreet and convenient use.

- **Multi-format Playback:** Supports MP3, WAV, APE, WMA, FLAC audio formats.
- **A-B Repeat Function:** Ideal for studying or transcribing, allowing you to loop specific sections of audio.
- **Easy File Transfer:** Connect to your computer via USB-C for quick and simple file management.

3. PRODUCT OVERVIEW

3.1 Device Layout

Familiarize yourself with the physical components and controls of your MECHEN V01 voice recorder.



Figure 3.1: Front view of the MECHEN V01 Digital Voice Recorder, highlighting the intuitive control buttons and display.

- **Display Screen:** Shows recording status, time, battery level, and menu options.
- **REC Button:** Initiates recording.

- **PLAY Button:** Starts/pauses playback.
- **STOP Button:** Stops recording or playback.
- **MENU Button:** Accesses device settings and options.
- **Navigation Buttons (Up/Down/Left/Right):** Used to navigate through menus and adjust settings.
- **Power On/Off Switch:** Located on the side of the device.
- **USB Type-C Port:** For charging and data transfer.
- **Headphone Jack (3.5mm):** For private listening to recordings or music.
- **Built-in Microphones:** Dual microphones for high-quality stereo recording.



Figure 3.2: Detailed view of the MECHEN V01's LED screen and control buttons, indicating recording duration and battery status.

4. SETUP

4.1 Charging the Device

Before first use, fully charge the voice recorder. Connect the device to a computer or a USB power adapter using the provided USB Type-C cable. The battery indicator on the screen will show charging progress. A full charge typically takes about 1.5 hours.

4.2 Powering On/Off

To power on the device, press and hold the Power Key located on the side until the screen lights up and displays 'WELCOME'. To power off, press and hold the Power Key again until the screen turns off.

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Video 4.1: Demonstrates how to power on the device by holding the right-side button and navigating the initial menu to set language and time.

4.3 Initial Settings

Upon first power-on or after a factory reset, you may need to configure basic settings:

- **Language:** Navigate to the 'Language' option in the menu and select your preferred language.
- **Date and Time:** Set the correct date and time for accurate timestamping of your recordings.
- **Backlight Time:** Adjust the screen backlight duration to conserve battery.

- **Brightness:** Set the screen brightness level.

5. OPERATING INSTRUCTIONS

5.1 Basic Recording

To start recording, simply slide the 'Rec/Save' switch upwards. The device will immediately begin recording. To stop and save the recording, slide the 'Rec/Save' switch downwards. The recording will be saved automatically.

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Video 5.1: Illustrates the one-touch recording process by sliding the 'Rec/Save' switch up to start and down to save.

5.2 Voice Activated Recording (VOX)

The VOX function allows the recorder to start recording only when sound is detected, and pause when there is silence. This is useful for saving memory and battery life.

1. Go to the main menu and navigate to 'Recording Settings'.
2. Select 'VOX Mode' and turn it 'On'.
3. You can also adjust the VOX sensitivity level (e.g., 1-7) to suit your environment. A higher sensitivity means it will detect quieter sounds.
4. Start recording as usual. The device will now automatically pause and resume based on sound detection.

Enregistrement Activé par la Voix

Aucun commutateur manuel n'est nécessaire, Pas de longues périodes de silence

× × ×



Meilleure autonomie
de la batterie

Figure 5.1: The MECHEN V01 displaying the Voice Activated Recording (VOX) feature, indicating recording activity only when sound is present.

5.3 Playback Recordings

To play back a recording:

1. From the main screen, navigate to the 'Recordings' folder.
2. Use the Up/Down navigation buttons to select the desired recording file.
3. Press the PLAY button to start playback.
4. During playback, short press PLAY to pause/resume.
5. Long press the 'PREV' or 'NEXT' buttons to fast forward or rewind.

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Video 5.2: Demonstrates how to play, pause, fast forward, and rewind recordings on the device.

5.4 A-B Repeat Function

The A-B repeat function allows you to repeatedly play a specific segment of an audio file.

1. During playback, long press the 'M' (Menu) button to set point A (start of the loop).
2. Long press the 'M' button again to set point B (end of the loop).
3. The device will now continuously play the segment between A and B.
4. To exit A-B repeat, long press the 'M' button once more.

5.5 Deleting Recordings

Exercise caution when deleting files, as they cannot be recovered once removed.

1. Navigate to the 'Recordings' folder and select the file you wish to delete.
2. Long press the 'DEL' button.
3. Select 'Delete One' to remove the selected file or 'Delete All' to clear all recordings.
4. Confirm your selection when prompted.

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Video 5.3: Shows how to delete individual recordings or all recordings from the device's menu.

5.6 File Transfer to Computer

To transfer recordings to your computer:

1. Connect the MECHEN V01 to your computer using the provided USB Type-C cable.
2. The device will appear as a removable disk drive on your computer.
3. Open the drive to access your recorded files (typically in a folder named 'RECORD' or similar).
4. Copy and paste the files to your desired location on the computer.



Gestion Facile des Fichiers Connectez l'appareil à votre ordinateur à l'aide du câble USB fourni pour transférer facilement des fichiers. 	USB 2.0 de Type C Vitesse de transfert élevée 2h Temps de charge 30h Enregistrement en 512kbps BitRate
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Figure 5.2: The MECHEN V01 connected to a laptop, illustrating the easy file transfer process via USB-C.

5.7 Password Protection

To set up password protection:

1. Go to the 'MENU' and select 'Password'.
2. Choose to enable the password and set a 4-digit PIN.
3. Remember your password, as there is no recovery option if forgotten.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge it regularly, even if not in use for extended periods.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Data Backup:** Regularly back up important recordings to your computer to prevent accidental data loss.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; device is off.	Charge the device; ensure the power switch is in the 'On' position.
Cannot record.	Memory full; device is locked; recording format error.	Delete old files; unlock the device; check recording settings.
Poor recording quality.	Microphone too far from source; high ambient noise; low battery.	Move closer to the sound source; enable noise reduction; charge battery.
Cannot connect to computer.	Faulty USB cable; incorrect port; driver issue.	Try a different USB cable/port; restart computer; ensure device is powered on.
Forgot password.	Password forgotten.	There is no direct password recovery. A factory reset may be required, which will erase all data.

8. SPECIFICATIONS

- **Model Number:** V01
- **Brand:** MECHEN
- **Memory Storage Capacity:** 128 GB
- **Digital Recording Time:** 1000 hours
- **Battery Life:** 15 hours (continuous operation)
- **Number of Batteries:** 1 C (included)
- **Charging Time:** Approximately 1.5 hours
- **Microphone Form Factor:** Built-in
- **Microphone Operating Mode:** Mono
- **Audio Format:** WAV
- **Digital Media Format:** WAV

- **Compatible Devices:** MP3 Player, Personal Computer, Earphone
- **Hardware Interface:** Audio 3.5 mm
- **Headphone Jack:** 3.5 millimeters
- **Product Dimensions (L x W x H):** 104P x 11l x 28H millimeters
- **Manufacturer:** MECHEN
- **Country of Origin:** China

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The MECHEN V01 Digital Voice Recorder comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

9.2 Customer Support

If you encounter any issues or have questions regarding your MECHEN V01 voice recorder, please refer to the troubleshooting section of this manual first. If the problem persists, please contact the seller or MECHEN customer support for assistance. Provide your product model number (V01) and purchase details when contacting support.