



# USER MANUAL



DIGITAL  
VOICE  
RECORDER.

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## DEAR USER

Thank you for choosing our recorder!

To ensure smooth operation, we kindly request that you thoroughly review this manual before using the device.

If you encounter any issues during use, please don't hesitate to contact our customer service at:

[info@tctecinovation.com](mailto:info@tctecinovation.com).

We appreciate your support and cooperation!

- Please note that the information in this manual may be subject to change without prior notice.
- The content of this manual is protected by copyright law. Any unauthorized photocopying or reproduction is strictly prohibited without the company's prior written consent.
- The company retains the exclusive right to interpret the manual, the warranty certificate, and any related materials.

**Note:** Product specifications may change without prior notice.

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## USER GUIDELINES

Reproduction, translation, or conversion of this manual or instruction guide into any format is strictly prohibited without the company's prior written permission.

The company shall not be held liable for any incidental, consequential, or additional damages arising from the use of this manual, the software, or other contained information, whether under tort, contract, or any other legal theory.

Avoid disassembling the product, as it may lead to electric shock or equipment damage. If needed, consult a service center or professional for assistance.

Do not submerge the product in water or other liquids, and refrain from using organic solvents to clean any of its components.

The recorder may not function correctly in the presence of magnetic/electromagnetic fields, radio waves, or high voltage.

Please note that the design and specifications of the device and accessories may change without prior notice.

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## HELPFUL TIPS

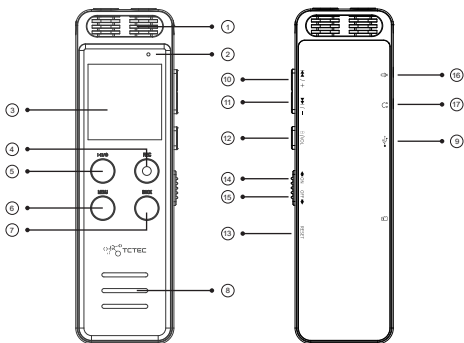
If you plan to leave the recorder unused for an extended period, ensure the product is charged and discharged every two months to maintain optimal battery life.

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## PRODUCT DESCRIPTION

- Constructed using zinc alloy technology and featuring an acrylic mirror.
- Equipped with a professional noise reduction chip for high-quality recording.
- TF-Memory card compatibility: expandable up to 128GB. One-touch quick recording (supports MP3 and WAV formats).
- High-sensitivity microphone for stereo sound reproduction. 1536Kbps HD lossless linear recording support.
- Line-in recording and voice-activated recording support.
- Monitoring and segmented recording capabilities.
- Timer recording support for more efficient recording time management.
- Supports three lossless audio formats: WAV, APE, and FLAC.
- Compatible with common audio formats for playback: MP3, WMA, AAC - LC, M4A, and OGG.
- Loop functionality and A - B segment repeat playback features.
- Playback: eight levels of speed adjustment available.
- Built-in hi-fi speaker for direct external music playback and sharing.
- Long recording time enabled by a built-in high-capacity battery; automatic low-voltage detection and protection.
- Password-protected startup function to prevent unauthorized access and data leakage.
- Multi-functional digital product combining a recorder, MP3 player, and USB.
- Built-in lithium battery, chargeable directly via USB port.
- USB 2.0 computer connectivity for seamless voice or music file uploading and downloading.

## PRODUCT APPEARANCE - INDIVIDUAL DEFINITION LABELS



1. Built-in microphone
2. Recording indicator
3. Display (screen)
4. Recording shortcut
5. Confirm/play/pause button
6. M/Menu button
7. Back
8. Outgoing speaker
9. USB interface
10. Previous song key/ Plus key
11. Next song button/ minus button
12. Volume button
13. Reset
14. Power ON
15. Power OFF
16. External microphone
17. Headphone jack

## PRODUCT FUNCTION KEYS INTRODUCTION

NAME	METHODS	ROLE
Power switch	Push up	Boot up.
	Push down	Shutdown.
Recording	Short press	Short press REC then star recording.
	Short press	When recording, short press REC, stop, and save recordings in a file.
Play/pause button	Long press	In the playback or recording state, short press this button to pause the current playback or recording; short press the play/pause button again to continue the current playback or recording.
	Long press	The power is in the "ON", long press this button to turn on/off.
Menu button	Short press	<ol style="list-style-type: none"> <li>1. Shortly press the menu key when the file is playing to enter the secondary sub – menu selection interface.</li> <li>2. Shortly press the Play key to confirm the entry Enter/play/pause.</li> </ol>

Previous key	Short press	Turn up function; short press the volume button to display the volume, and then press the previous button to increase the volume.
	Long press	Long press this button during playback to rewind.
Next key	Short press	Turn down function; short press the volume key to display the volume, and then press the next key to decrease the volume.
	Long press	Long press this button during playback to fast forward.
Back button	Short press	Short press under the submenu to return to the previous level.
	Long press	Long press during playback to return to the main interface directly.
Volume keys	Short press	Volume adjustment.
	Long press	Access the lock screen and unlock.

## DESCRIPTION

1. Key: A short press is to press and release; a long press is to hold for 2-3 seconds before releasing.
  2. During recording, you can directly operate the power-off switch, and the device will save the recording file before shutting down (i.e., the product features a power-off save recording function).
  3. Avoid turning off the power switch directly while configuring various tasks, as this may result in the current settings not being saved (**Note:** briefly press the confirmation key to ensure the settings are correct, and then power off normally).
  4. The device has an automatic power-saving function. If left on without operation and in standby mode, the product will automatically shut off after 5 minutes by default to conserve power.
  5. In the process of recording - if the device encounters low power and shuts down automatically, it will save the current recording file before shutting down due to insufficient power (please be aware).
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## MAIN MENU

### Music

Under the "Music" menu, you will find "All Songs/Artists/Albums/Update Playlist" (use the up and down track buttons to browse through the selections).

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### Menu option

For music and recording files, briefly press the menu button during playback, pause, or stop to access the "secondary sub-menu options" allowing you to adjust playback settings and delete files.

While in play, pause, or stop mode, briefly press the menu button, and the "Play Mode/Sound Settings/Speed Settings/Bookmarks/Delete" functions will be displayed.

1. **Playing mode:** Choose from single track repeat, all repeat, random play, or single track play.

**Single Repeat:** Repeats the current track.

**Repeat All:** Loops through all files.

**Random Play:** Plays all files randomly.

**Single Play:** Plays the selected file once.

2. **Sound Effects Settings:** Selectable equalizer options include Off, Rock, Funk, Hip-hop, Jazz, Classical, and Electronic.

3. **Variable Speed Playback:** Offers 8 levels of speed control. **Note:** Variable speed playback supports only MP3, WMA, and WAV formats.

#### 4. Bookmarks

**Add Bookmark:** Adds the current playback time to the bookmark.

**Go to Bookmark:** Starts playback from the added bookmark.

**Delete Bookmarks:** Deletes selected bookmarks.

#### 5. File deletion

During play or pause, briefly press the menu button and select "Delete" in the sub-menu options. The interface will display "Delete Files" and "Delete All" options. Use the up and down buttons to move and select "Yes" for the operation (the device will delete or delete all), or select "No" (the device will not delete). **Note:** Files cannot be recovered after deletion, so please back up your files beforehand.

**Delete All:** Deletes all files within the currently selected storage media. Do not forcibly turn off the power switch during the file deletion process. **Note:** The more files there are, the longer the deletion process will take, so please be patient.

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## Volume adjustment

Briefly press the volume key, and the LCD screen will display the volume level. Press the previous key to increase the volume, and press the next key to decrease the volume. The volume value displayed on the screen will change accordingly. Once the adjustment is complete, press the volume key again to exit the volume adjustment, or it will automatically exit after 4 seconds of inactivity.



## Recording

When you enter the "Recording" application, you will find options such as Recording Library, Recording Format, Recording Bit Rate, Sound Control Recording, Monitor Settings, Recording Split, Recording Light Switch, Noise Reduction Switch, and Timer Recording. Use the up and down arrow keys to select the recording settings and briefly press the confirm button to enter.

**Timestamp:** Recording files are named by year, date, and serial number, making it easy for you to search and find them.

**Example:** 20230418001.WAV (the previous group 20211001) indicates the date the file was recorded, i.e., April 18th, 2023 (the first recording of the day in this latter group 001). The WAV at the end indicates the corresponding file format.

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## Menu options

### 1. Recording Library

View the recording files on the current device.

### 2. Recording format

Choose between MP3 and WAV formats.

### 3. Recording bit rate

After selecting the recording format, the corresponding bit rate options will be displayed. MP3 format: 32kbps, 64kbps, 128kbps, 192kbps; WAV format: 512kbps, 768kbps, 1024kbps, 1536kbps.

### 4. Sound-activated recording.

When the sound control switch is turned on, briefly press the record button to activate the sound control recording. The device will automatically sense the surrounding sound. If the surrounding sound reaches a certain threshold, the device will automatically start recording. When the surrounding sound drops below the threshold, the device will pause the recording. If the sound level reaches the threshold again, the device will resume recording (**Note: It is recommended not to use this function in important situations.**). Sound control recording sensitivity can be adjusted between 1 to 7 levels, where a higher level indicates lower sensitivity when detecting sound sources.

Please choose the appropriate sensitivity level for sound control recording according to the current environment. Note that the factory default setting for sound control on this device is "Off". To use this feature, you'll need to enable it in the settings first.

#### 5. Listening settings

Choose between "Monitoring On" or "Monitoring Off".

When monitoring is turned on and headphones are plugged in, you can monitor the recording process.

**Note:** Turn off the noise reduction switch before using this function.

#### 6. Recording split

Select from four different split times: 30, 60, 90, or 120 minutes.

#### 7. Recording light switch

Set to on or off; the factory default is on.

#### 8. Noise reduction switch

Factory default is set to "Open."

#### 9. Timed recording

You can customize the start and end times for recordings as needed. After turning "on" the timer switch, you can set the desired start and end times. Additionally, you can choose the preferred recording frequency: single, daily, or weekday recordings, based on your requirements.

#### 10. Power on

Timer recording cannot be activated when the switch is off.

#### 11. Source of the recording

When an external microphone or line-in is connected to the device, briefly press the record button, and you will be prompted to select the external microphone/line-in.

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## Folders

Choose between the music folder and the recording folder to view the corresponding files.

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## Settings

### 1. Storage location

Choose between internal memory or external memory for storing your files.

### 2. Language

Select from 25 available languages, including Simplified Chinese, English, and German, to set the display language for your device.

### 3. Brightness

Adjust the overall brightness of the display to suit your preference.

### 4. Backlight Timer

Set the screen backlight to automatically turn off after 10, 20, or 30 seconds, or keep it always on.

### 5. Screensaver

When the backlight timer is activated, the device displays a digital clock as a screensaver.

### 6. Sleep off

Set the device to automatically power off after a duration of 1 to 99 minutes.

### 7. Power saving shutdown

Set the device to automatically shut down after 1 to 30 minutes of inactivity. Selecting 0 means the device will not shut down due to inactivity.

### 8. Date and time

To set the date and time, use the up and down curved keys to select the numbers, and the volume keys to switch between the moving clock, minutes, and year-month-day. Once set, press the confirmation key to save the changes.

### 9. Tool

#### Password setting

You can enable or disable password protection for your device. To set a password, follow these steps:

- Select "ON" to enable password protection.
- Short press the confirmation key to enter the password setting mode.

- The display will show two groups of "00 00" for the password combination.
- Use the up and down curved keys to select numbers for each group, and press the MENU key to switch between the groups.
- Once you've set your desired password, press the confirmation key to save it. The device will prompt that the password has been changed.

If you forget your password:

- Enter "18 18" as the password.
- Press the BACK key to quickly crack the password.
- The device will automatically lift the password set before the quick crack action.

**Note:** If the password is not entered correctly, you will not be able to use or view the files on the machine, nor will you be able to view them from your computer. Please be cautious when using the password feature.

### Information

Access basic information about the device and its memory capacity by navigating to the "Information" section in the settings menu.

## 10. Factory settings

To restore the device to its factory settings, select "Yes" in the factory settings option. Once confirmed, the device settings will automatically revert to their original factory settings. This may be useful if you encounter issues with the device or wish to reset all settings to their defaults.

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## CONNECTING TO A COMPUTER

To connect the device to your computer, follow these steps:

1. Locate the USB cable provided with your device.
2. Insert the USB Type-C connector into the corresponding port on the device.
3. Connect the other end of the cable to an available USB port on your computer.

Upon connecting, the device will power on automatically. If this is the first time connecting, your computer may prompt you to install necessary drivers and recognize new hardware. Once a new disk appears in My Computer, the connection is successful.

**Note:** This device features OTG functionality, allowing for compatibility with mobile phones that support OTG.

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## Transferring Files

You can easily transfer files between the device and your computer.

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## Safely Disconnecting from the Computer

Once file transfers are complete, make sure to safely remove the hardware and eject the media before disconnecting.

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## Batteries & Charging

The device comes equipped with a built-in lithium battery. To charge the device, follow these options:

1. Connect the device to a computer using the supplied USB Type-C cable.
2. Use a 5V/500mA power adapter.
  - When charging, connect the appropriate end of the USB cable to the charger's USB port;
  - During charging, the battery icon will display the charging progress. It takes approximately 3 hours to fully charge the battery. Once fully charged, the battery icon will show full capacity;



- When the battery power icon has only one cell left make sure to charge the device as soon as possible;
- If the battery icon shows an empty cell, the device may automatically power off due to insufficient battery life;

- When the battery icon displays only one cell, switch to using headphones for listening. Continuing to use the built-in speakers may lead to premature shutdown due to high power consumption.

**Notes:**

- Always use the provided USB Type-C cable for connections. Using other cables may result in improper connections or damage to the interface;
- Optional charger specifications: 5V/500mA (approximate charging time: 2 hours);
- When charging the device via a computer, ensure that the computer is powered on beforehand;
- Main accessories included with this product: device, USB Type-C cable, user manual, etc. (refer to the actual product; contents subject to change without notice);

[The Company reserves the right of final interpretation of this manual].

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## SPECIFICATION PARAMETERS

Product size	106.8*32.5*11.7mm (subject to availability)
Battery gauge	(420mAh) 3.7V Li-Ion battery 35
Resolution	240*240 TFT:1.4inch
Languages	Chinese, English, Germany etc. 25 languages
SNR	≥ 80db
Audio format	MP3, WMA, WAV, APE, FLAC, OGG, AAC
Recording format	MP3, WAV
Recording ratio Special rate	MP3:32kbps, 64kbps, 128kbps, 192kbps WAV:512kbps, 768kbps, 1024kbps, 1536kbp
Speakers	8Ω 1W
Transfer connection	Type-C (USB2.0)
Headphone connection	Standard 3.5mm header Dual channel output
LINE-In	Standard 3.5mm header Dual channel input
WEIGHT	90g
Working temperature	0 to 45 degrees Celsius

RECORDING METHOD	MIC RECORDING	
	Recording quality	Storage 96Gb (32Gb internal + 64Gb TF Card)
WAV Format	512kbps	418H
	768kbps	277H
	1024kbps	208H
	1536kbps	139H
MP3 Format	32kbps	6720H
	64kbps	3360H
	128kbps	1680H
	192kbps	1333H
<p><b>Note:</b> The mentioned recording times represent the maximum duration possible based on storage capacity and do not take battery life into account. Please keep this in mind.</p>		



## TROUBLESHOOTING

- Why doesn't the displayed storage capacity on the operating system match the stated value?  
A: Computers use binary calculations for storage capacity, which leads to a difference between the nominal value and the displayed capacity in the operating system. Additionally, internal fonts and system files occupy a small portion of the memory. As a result, the storage capacity displayed in the operating system may be less than the nominal value.
  - Why do some songs not play correctly on this device?  
A: This issue may arise if the audio format is not supported by the device. Please ensure that you use an audio format compatible with the device.
  - Why does the device exhibit slow response times?  
A: Prolonged use or frequent file deletion may cause fragmentation within the internal chip, similar to hard disk fragmentation, leading to slower performance. To resolve this issue, format the disk using professional software. Additionally, damaged MP3 files within the device may also contribute to slow response times.
  - What should I do if the device's software becomes corrupted?  
A: Software corruption is typically caused by abnormal operations. In such cases, please contact your local dealer for assistance.
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## **CUSTOMER SUPPORT**

Email: [info@tctecinovation.com](mailto:info@tctecinovation.com)

Website: [tctecinovation.com/contact-us](https://tctecinovation.com/contact-us)

For video instructions, please scan the QR code below.

