

USER' S MANUAL

CA-C90

CM Tech Co., Ltd.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

FCC RF INTERFERENCE STATEMENT

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution ()

Do not change or modify the product without permission or authority of manufacturer. It may cause undesirable operations, permanent damages or harmful interferences.

Notice ()

- Design and specification are subject to change without notice for product improvement purposes.

- CPU: Intel® Pentium® 233 MHz or faster processor
- Windows® 98, 98SE, ME, 2000 Pro, or XP
- 1GB of free hard disk space or more
- Memory: 64MB DRAM or more
- Monitor Resolution: 1024×768 or greater recommended
- PC with USB port
- CD-ROM drive for CD installation

Name of Each Part

Front

HOLD switch
Earphone jack
Encoding jack
Built-in microphone
Volume control buttons
FF (Fast Forward) button
REW (Rewind) button
PLAY/PAUSE button
REC (Record) button
Game button
USB port

Rear

RESET button

Accessories

- User's Guide
- Installation CD-ROM
- USB Cable
- Earphones
- Carrying Bag
- Carrying Bag Attachment Strap

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Installing the Software

Caution

Do not connect the device to your PC until successfully installing the software.

If you have already connected the device to your PC, disconnect the device before proceeding.

Note

These instructions are based on Windows XP and the user interface in the following screenshots may vary depending on the version of Windows you are using.

1. Insert the supplied CD-ROM into the CD-ROM drive of your PC. The dialog box shown on the right should appear. If the installation program does not start automatically, double-click on the My Computer icon on your Desktop, double-click on the letter of your CD-ROM drive (usually labeled D), and then double-click on the Install.exe file.
 2. Select the desired language and the driver you want to install, and then click "Install" to begin the installation. If you want to use the TTS (Text-to-Speech) feature, select the "Mp3 Driver + TTS" radio button. (If you select this option, the installation will take approximately 5 minutes, although this time may vary depending on your PC configuration.)
 3. Click "Next" → "Finish" to complete the software installation and restart your PC.
 4. After your PC has restarted, you will see the Music Box Explorer icon on your Desktop.
 5. With the battery installed in the device, connect the device to the USB port on your PC, and then press the >> button to power on the device.
 6. The "READY" message will be displayed on the LCD, and the Found New Hardware Wizard dialog box will appear as shown below. Click "Next" → "Finish" → "Next" → "Continue" → "Finish" to complete the device installation.
 7. The Firmware Update confirmation dialog box should appear as shown below. Click "OK" → "Start" → "Close" to complete the update.
- This part of the installation needs to be performed only once when you install the device for the first time in order to allow the song titles to be displayed correctly.
8. After the firmware update is complete, be sure to disconnect the device from your PC, then reconnect it.
 9. If the steps up to this point have been completed successfully, then the whole installation process is now complete.

When you double-click on the Music Box Explorer icon on your Desktop, you will see the Music Box Explorer as shown below.

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Uninstalling the Software

■ Removing the MP3 Driver

1. If the device is already connected to your PC, disconnect it.
2. Go to Control Panel → Add/Remove Programs. Now you should see a list of installed programs.
3. Scroll through the list, highlight "SMC Music Box MP3 Player", and then click on the Change/Remove button. The InstallShield Wizard dialog box will appear as shown below. Select the "Remove" radio button, and then click "Next" → "OK".
4. Finally, click "Finish" to complete the uninstallation.
5. If the installation was not successful or if you need to reinstall the driver for any reason, follow the above steps to remove the driver, and then use the supplied CD-ROM to reinstall the driver.

■ Removing the TTS Engine

Go to Control Panel → Add/Remove Programs. Select "TTS" from the list of installed programs and click "Change/Remove". Then finish the process by completing the steps 3 and 4 above.

Using the Software (After Installation)

■ Formatting the Removable Disk

1. These steps are for formatting the removable disk. Formatting will erase all the files on the removable disk and initialize it for use.
2. With the battery installed in the device, connect the device to the USB port on your PC, and then press the >> button to power on the device.
3. Double-click on the Music Box Explorer icon on our Desktop to launch the program.
4. Click on the FORMAT icon. When the Format confirmation dialog box appears, click "OK". Then click "Start" to begin formatting.
5. When the formatting is complete, click "Close" to finish.
6. To use the program again, disconnect the USB cable from the device, wait 10 seconds, and then reconnect the USB cable to the device. When the "READY" message appears on the LCD, you can launch the program by double-clicking on the Music Box Explorer icon on your Desktop. If you do not disconnect and reconnect the USB cable, the program will not run.
7. Always use the Format utility if you want to wipe out all the files on the removable disk. Periodically format the removable disk to maintain reliability.

■ Updating the Firmware

1. These steps are for updating the firmware on the device.
2. With the battery installed in the device, connect the device to the USB port on your PC, and then press the >> button to power on the device.
3. When the "READY" message appears on the LCD, double-click on the Music Box Explorer icon on your Desktop to launch the program.
4. Click on the UPDATE icon. When the Firmware Update confirmation dialog box appears, click "OK". Then click "Start" to begin the update.
5. When the update is complete, click "Close" to finish.
6. To use the program again, disconnect the USB cable from the device, wait 10 seconds, and then reconnect the USB cable to the device. When the "READY" message appears on the LCD, you can launch the program by double-clicking on the Music Box Explorer icon on your Desktop. If you do not disconnect and reconnect the USB cable, the program will not run.

Downloading Files to the Device

1. With the battery installed in the device, connect the device to the USB port on your PC, and then press the >> button to power on the device.
2. When the "READY" message appears on the LCD, double-click on the Music Box Explorer icon on your Desktop to launch the program. The files on the internal memory of the device will be displayed on the upper pane of the right side of the interface, and the files on a SmartMedia card (optional) will be displayed on the lower pane.
3. Click on the MP3 icon to search for MP3 files on your PC.

4. To search for MP3 files in a drive or within a folder, click on the drive or folder you want to search in the left pane of the interface, and then click on the MP3 icon. MP3 files that are found in the selected drive or folder will be displayed in the middle pane of the interface.
5. Drag and drop those MP3 files you want to download from the middle pane onto the upper right pane for the removable disk.
6. While the files are being downloaded, the "WRITING" message will flash on the LCD, and when the download is complete, the "READY" message will be displayed. An error may occur if you disconnect the USB cable as soon as the "READY" message is displayed. Wait approximately 10 seconds before disconnecting the cable.
7. Once the USB cable is disconnected, the device will automatically power on. Then you can press the >> button to playback.
8. If an error occurs, follow the formatting procedure described in the "Formatting the Removable Disk" section.

Note

When you open My Computer or launch Windows Explorer, you will see two removable disk icons (one for the internal memory and the other for the external memory). You can then copy MP3 files to either of the removable disks.

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TTS (Text-to-Speech) Feature

TTS (Text-to-Speech) is a technology that enables the conversion of text information into speech output.

(Supported Text: English, Chinese (Simplified/Traditional), Japanese, and Korean.)

You can save your text files on the device so you can listen to them at a later time.

The device must be connected to a PC before running the TTS.

1. Using the TTS

In the Music Box Explorer, click on the TTS icon.

Select the appropriate language for your text from the drop down menu, and then type in the text.

Click on the "Play" icon on the interface to listen to the speech output.

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2. Saving TTS Files

- You can save files in text (.txt) format for the TTS.

Click on the "Save" icon. When the Save As dialog box appears, select the folder you want to save the file in, and then save the file as a text (.txt) file.

- You can also save files in MP3 (.mp3) format for the TTS.

Click on the >> icon. When the Save dialog box appears, type in a name for the file you are saving, and then click "SAVE". The file name must be 8 characters or less in length and contain only letters of English alphabet.

TTS files in MP3 format will automatically be saved to the internal memory, and cannot be saved to the external memory or other folders.

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3. Using the Dictionary

You can define a certain word to be pronounced differently. For example, if you define the word "I" to be read as "Tom", then the word "I" will automatically be pronounced as "Tom".

The dictionary can be saved for each language supported by the device and the text will be converted to speech output according to the saved "pronunciation definitions".

- Click on the Dictionary icon.
- Type in a word, and then click "ADD" → "OK".

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Inserting the Battery

1. Slide the battery compartment cover, at the rear of the device, in the direction of the arrow and lift off the cover.
2. Insert the battery into the battery compartment as indicated by the polarity symbols (+ and –) marked inside, and then replace the cover.
3. When removing the battery, pull the nylon tab to do so.

Inserting a SmartMedia Card (Optional)

1. Insert the SmartMedia card into the slot as indicated by the picture on the rear of the device.
2. To remove the card, slide the EJECT switch in the direction of the arrow.

Note

MP3 files stored on the device will be played first and then the files on the SmartMedia card will be played. For example, if there are 3 files (A, B, C) on the device and 2 files (D, E) on the card, they will be played in the order of A, B, C, D, and E.

Caution

- Never insert or remove the SmartMedia card while the device is turned on.
- Otherwise, the device may not operate normally.

In this case, turn off the device and then back on for normal operation.

Power

1. Press the >> button to power on the device.
2. Press and hold the >> button for over 3 seconds to power off the device. Briefly press the >> button to toggle between Play and Pause modes.

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Playback

1. With the device turned on, press the >> button to playback. Press the button again to pause playback.
2. To play another file, press the ◀◀ or ▶▶ button to select the desired file if in Play mode. If in Pause mode, press the ◀◀ or ▶▶ button to switch to Stop mode and then press the >> button.
3. During playback, press and hold the ◀◀ or ▶▶ button to forward or reverse search the currently playing file.
4. To fast search the desired file, press and hold the ◀◀ or ▶▶ button while in Stop mode.
5. Press the "+" or "-" button on the side of the device to adjust the volume.
6. The volume can be adjusted in 27 steps.

Displaying a Song Title

1. Select the MP3 file you want to play, and then press the >> button.
2. When the button is pressed, the song title will scroll across the LCD from right to left.
3. The LCD of this device supports the display of multilanguage characters, including English, Chinese, Japanese, and Korean characters.

Supported Special Characters

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Note

1. A text display of song titles may vary depending on the way ID3 tag was written.

If ID3v1 Tag Was Used

- 28 English characters can be displayed.

If ID3v1 Tag Was Not Used

- 6 English characters can be displayed. "~1.MP3" will be appended at the end.

(Example: ABCDEF~1.MP3)

- Blank spaces and periods (.) will be omitted.

(Example: MY FILE MYFILE.MP3)

- Symbols and special characters will be converted to underscores (_).

(Example: MY [FIRST] FILE MY__FIR~1.MP3)

2. You can use the ID3v1 tags to rebuild the song titles.

If Using WINAMP

- Select the desired file, right-click it, and then select "File Info".
- When the "MPEG file info box + ID3 tag editor" window appears, put a checkmark next to "ID3v1 Tag". Do not check the "ID3v2 Tag" box. (ID3v2 is not supported.)
- At the "Title" field, type in the song title, and then click "Update" to apply your change.

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A-B Repeat Playback

1. You can use the MODE button to repeatedly play a certain section of the currently playing MP3 file or voice message.
2. During playback, press the MODE button at the start point of the section you want to repeat (this will be indicated as "A↔" on the LCD) and press the MODE button again at the end point (this will be indicated as "A↔B" on the LCD). Repeat playback of the A-B section will start.
3. To cancel A-B Repeat Playback, press the MODE button once again.

Note

To switch from Pause mode to Stop mode, press the ◀◀ or ▶▶ button.

Equalizer (EQ) Feature

1. While in Stop mode, press the MODE button for over 3 seconds to switch to Equalizer mode.
2. "EQ" will be displayed on the LCD. Press the MODE button again, and then press the ▶▶ button to change the EQ setting. Each time you press the ▶▶ button, the EQ setting switches as follows: ROCK → POP → CLASSIC → JAZZ → NORMAL
3. To return to beginning, press the MODE button, enter the EQ mode, press the ▶▶ button to select "EXIT", and then press the MODE button again.
4. If no button is pressed for 5 seconds while in a mode, you will be taken to the menu immediately before the current one.

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Repeat Playback

1. While in Stop mode, press the MODE button for over 3 seconds to switch to Equalizer mode.
2. Press the ▶▶ button to select RPT.
3. "RPT(REPEAT)" will be displayed on the LCD. Press the MODE button again, and then press the ▶▶ button to change the repeat setting. Each time you press the ▶▶ button, the repeat setting switches as follows: RANDOM → RPT-1 → RPT-ALL → NORMAL
4. To return to beginning, press the MODE button, enter the RPT mode, press the ▶▶ button to select "EXIT", and then press the MODE button again.

Adjusting LCD Contrast

1. While in Stop mode, press the MODE button for over 3 seconds to switch to Equalizer mode.
2. Press the ▶▶ button to select CONTRAST.
3. "CONTRAST" will be displayed on the LCD. Press the MODE button once again, and then press the ◀◀ or ▶▶ button to adjust the contrast level of the LCD.
4. To return to beginning, press the MODE button, enter the Contrast mode, press the ▶▶ button to select "EXIT", and then press the MODE button again.

Note

The LCD of this device has a built-in EL backlight. The EL backlight will come on as soon as you press a button and will automatically go off after 5 seconds.

Auto Power-Off

1. While in Stop mode, press the MODE button for over 3 seconds to switch to Equalizer mode.
2. Press the ►► button to select AI-OFF.
3. "AI-OFF" will be displayed on the LCD. Press the MODE button once again, and then press the ►► button to change the power-off time. Each time you press the ►► button, the power-off time switches as follows: 2 min → 5 min → 1 min
4. To return to beginning, press the MODE button, enter the AI-Off mode, press the ►► button to select "EXIT", and then press the MODE button again.
5. Auto Power-Off function can be used only while in Stop mode. The default power-off time is 1 minute.

Voice Recording and Playback

1. To record a voice message, while in Stop mode of the MP3 mode, press the MODE button once to switch to Equalizer mode.
2. "VOICE" will be displayed on the LCD.
3. Press the ● button. "REC" will be displayed on the top of the LCD and recording will start. To stop recording, press the >> button.
4. To play a voice message, press the >> button once again.
5. During playback, press the >> button to pause playback. If you press the ◀◀ or ►► button during playback, you will be returned to a state where you can select a previously recorded voice message.
6. To return to beginning, press the MODE button while in Stop mode. You will be returned to MP3 mode.

Deleting a Voice File

1. While in MP3 mode, press the MODE button for over 3 seconds to switch to Equalizer mode.
2. Press the ►► button to select "DEL (DELETE)", and then press the MODE button.
3. "VOICE EXIT" will be displayed on the LCD. Select "VOICE" and press the MODE button. Voice files will be shown.
4. Press the ◀◀ or ►► button to select the file you want to delete, and then press the MODE button.
5. "YES NO EXIT" will be displayed on the LCD. Use the ◀◀ and ►► buttons to select "YES" to delete the selected file, "NO" to abort, or "EXIT" to exit the current mode, and then press the MODE button.

Using the Hold Function

1. Hold function prevents accidental operation or changes to settings while carrying the device in the pocket or briefcase.
2. Slide the HOLD switch on the top of the device in the direction of the arrow. All of the functions of

the buttons, except for turning on the device, will be locked.

3. When the Hold function is enabled, a "lock" symbol will be displayed on the LCD. To cancel the Hold function, slide the HOLD switch in the opposite direction of the arrow.

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Troubleshooting

● If you encounter a problem while using the device, check this section for possible solutions.

Device buttons do not operate.

Device won't play music.

Power does not come on / Device hangs during power-on / No files have been saved but the disk space is shown as "Used" / Other malfunctions

Device is connect to the PC, but the removable disk icons do not appear.

The New Hardware Found wizard is not prompted.

● Check to see that the HOLD switch is in locked position. Make sure that the HOLD switch is released.

● Check to see that the MP3 file you want to play is stored in the VOICE folder. The VOICE folder is reserved for storing only the voice messages.

● Make sure that the file extension is ".mp3".

This device can play only MP3 format files.

● Make sure that the battery is inserted correctly.

● Make sure that there is sufficient power left in the battery.

● Use the USB cable to connect the device to your PC, and then turn on the power.

● When you power on the device, "READY" will be displayed on the LCD.

● Follow the formatting procedure described in the "Formatting the Removable Disk" section of this User's Guide.

● If the problem of the device hanging during power on isn't solved by reformatting, launch the Music Box Update.

● Remove the battery and then put it back in.

● Check to see that "SCSI Host Controller" is shown in Device Manager. (Right-click My Computer, click Properties, click the Hardware tab, and then click Device Manager.)

● If there is a yellow exclamation mark next to "CMTech Music Box SCSI Host Adapter", right-click it and select "Delete".

● Click on the Update Driver icon to reinstall the driver.

● Once the driver is correctly installed, the yellow exclamation mark will be removed.

● Go to Control Panel → System → Device Manager, and check to see that "USB Serial Bus Controller" is listed.

● If the Universal Serial Bus Controller is not listed, you cannot use the USB port. Check your BIOS (CMOS Setup) to ensure USB is enabled.

For details on how to configure the CMOS Setup, contact the store of purchase.

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Main Uses

Memory Capacity

Computer Interface

Data Transfer Rate

Display Type

Voice Recording Time

Battery

Operating Time

Rated Output

Signal-to-Noise Ratio

Case Material

Safety Standard

Dimensions (W x H x D)

Weight (without battery)

MP3 Player/Voice Recorder/Removable Disk/Game

128MB Flash Memory

256MB Flash Memory

USB port

4Mbps

CSTN LCD (WHITE LED)

8 hours

4 hours

6 hours of continuous use

5mW×2 (16Ω)

90dB (20KHz LPF)

Aluminum/Plastic

24

Warranty

Product Name

MP3 Player

Warranty Period

1 Year

Date of Purchase

Month Day Year

Owner

Address

Name

Telephone

Distributor

Address

Name

Telephone

If the product is broken, contact the store where you purchased the product.

Distributor:

Manufacturer:

Customer Support