

TDK Life on Record Boombox Firmware Upgrade Instructions

Affected Products

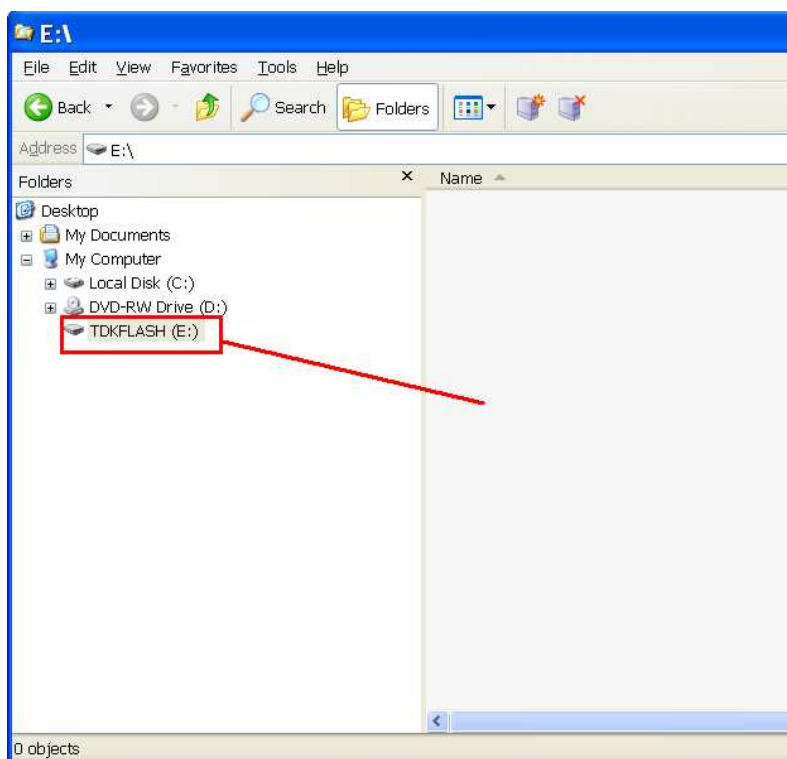
- 3-Speaker Boombox - TP6803, SP-XA6803 and ETP68103
- 2-Speaker Boombox - TP6802, SP-XA6802 and ETP68102
- Sound Cube - TP6701, SP-XA6701 and ETP67101

NOTE

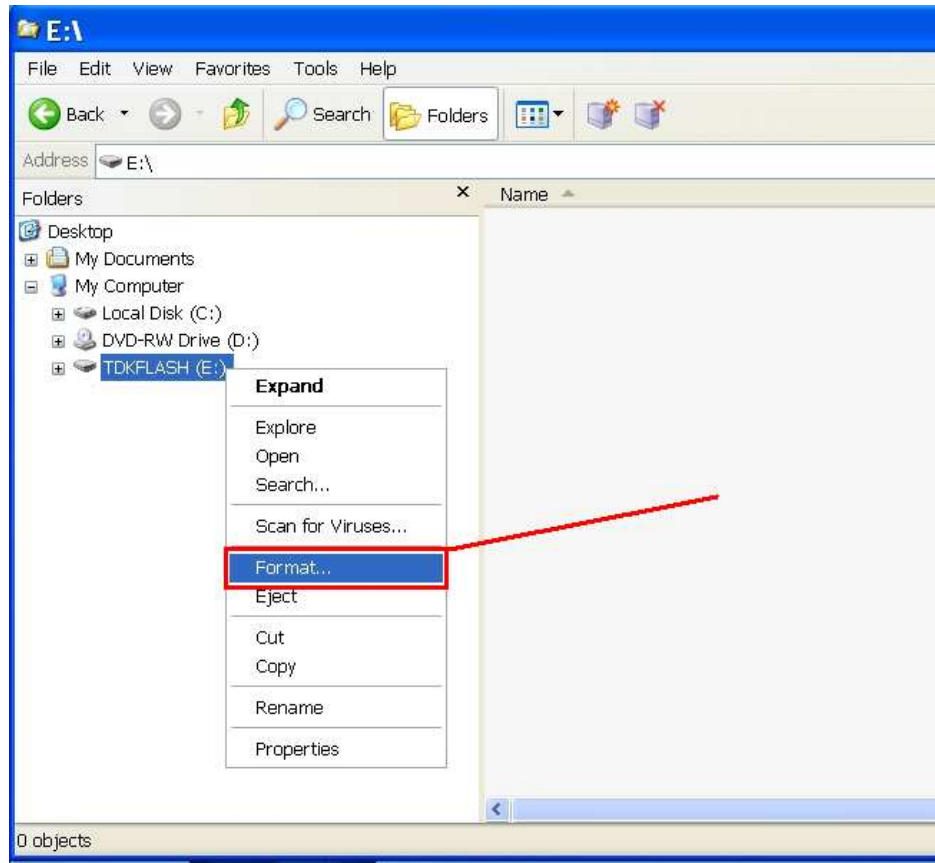
It is important to follow these instructions carefully to avoid disabling your device.

Firmware Upgrade Procedure

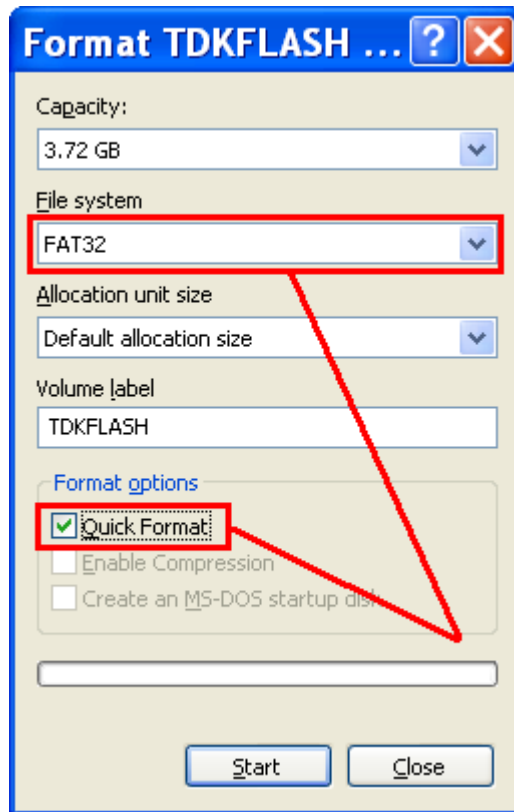
1. The procedure requires the use of a Windows-based PC or laptop computer and temporary use of a user supplied USB flash drive. **Apple users should contact TDK Life on Record support in the United States at 800-285-2783 for immediate assistance in upgrading your device.**
2. Download the appropriate firmware upgrade file via the product support links listed for your product on <http://tdkperformance.com>. Store the downloaded file for your device to your desktop or other temporary location.
3. Insert a flash drive into an available USB port on the Windows machine.
4. Back up any data on the flash drive you wish to preserve. This next step erases all existing data from your flash drive.
5. From the Windows desktop, explore to your flash drive as shown in the example below.



6. Perform a quick format on the flash drive using the FAT32 file system. To accomplish this, right click on the flash drive to be used and select “format” from the drop down menu. Refer to the screen examples below.



Be sure to select “FAT 32” as the file system when formatting your USB Flash drive and that you have selected the “Quick Format” check box. Click “Start” to initiate the reformatting command. NOTE: This clears any existing data from your flash drive. The Flash Drive must be blank prior to copy of most recent firmware for install to your Boom Box.



7. Copy the firmware upgrade file that you downloaded, from your temporary storage location (Desktop for example) to your newly formatted flash drive. **There can be only one firmware upgrade file on the flash drive.**
8. Eject the flash drive from your Windows machine.

9. **IMPORTANT:** Remove all batteries from the unit if they are installed.
10. With the TDK Boombox turned OFF, locate the USB port on the side or back of your Boombox and plug the flash drive into the TDK USB port.



11. Turn on the TDK product while holding down the OK button to enter the diagnostic mode.
12. When the diagnostic menu appears, using the “Select” knob, choose UPGRADE, which is the first item in the list of options. Press OK.



13. Press OK again when asked, "SURE!?"
Note: The display will go blank when OK is pressed. This is normal.
IMPORTANT: Leave the unit undisturbed until the update is complete.

14. The firmware update will be read from the USB flash drive. The process will take approximately 15 to 20 seconds to complete.
15. After the firmware has been upgraded, the message "Upgrade success! Please disconnect AC power." will appear.



16. Unplug the AC cord and turn the volume control to the OFF position. Remove the USB flash drive. Wait for 10 seconds before proceeding.
17. Connect the AC power and wait for 3 seconds. Turn the volume control to the ON position. The device will now restart normally with all the displays illuminated.

Setting the Region Code

In order for the AM/FM radio to properly receive local stations, the operating region code must be set after performing a firmware upgrade.

18. Make sure the TDK product is turned off.
19. Turn on the TDK product while holding down the OK button.

20. When the diagnostic menu appears, choose "REGION", from the list in the display using the "Select" knob. Then press OK.



21. Select the desired region from the list: USA, EUROPE, or JAPAN. Press OK.



22. When the FINISHED message appears, press OK to return to the settings menu.

23. Press the BACK button to return to normal operation.

You have now successfully updated your TDK Boombox with the latest firmware and configured it for proper radio reception. If you experience difficulty in performing this update or setting the proper region code, please contact TDK Life on Record support in the United States by calling 800-285-2783.

Troubleshooting

Failed Upgrade Recovery Procedure

First, carefully repeat steps 1 through 8 of the firmware upgrade procedure. It is very important that only the correct firmware file be loaded on the flash memory drive from a Windows machine.

Q: I followed the firmware upgrade procedure, but my TDK product did not display the message, "Upgrade success! Please disconnect AC power."

Q: I followed the firmware upgrade procedure, but my TDK product won't turn on - the LED indicators and display remain dark.

A: The firmware upgrade process did not complete. To complete the firmware upgrade, follow these steps:

1. Please disconnect AC power and USB flash drive.
2. Repeat the firmware upgrade procedure beginning with step 9.

Q: I followed the firmware upgrade procedure, but my TDK product has some problems - the LED indicators are not correct and there is no response from the touch keys.

A: Repeat steps 16 through 23 in the firmware upgrade procedure.

You have now successfully updated your TDK Boombox with the latest firmware and configured it for proper radio reception. If you experience difficulty in performing this update or setting the proper region code, please contact TDK Life on Record support in the United States by calling 800-285-2783 or contact TDK Life on Record support in your region using the following numbers:

United Kingdom +44 (0)1344 402201
Germany +49 (0) 900 146 2846
Spain +34 900 993 166
France +33 (0)800 918 651
Italy +39 022 1043 818
Other EU countries +31 (0)23 5212605
USA 1-800-285-2783
ANZ 1-800-225-013

TDK Firmware Release Notes

TDK Firmware Release Notes

Affected Products

- 3-Speaker Boombox
- 2-Speaker Boombox
- Sound Cube

Affected Regions

- USA
- EUROPE
- JAPAN

Firmware Version 2.2.9

Initial production firmware release.

Firmware Version 2.3.3

This version of firmware corrects the following problems:

1. USB Playback Distortion

When playing digital audio files from an Apple iPod or iPhone, a USB flash drive, or a external USB hard disk drive, audio distortion and clipping can occur if the program material was mastered at a high level. The distortion is not related to the final power amplifier and speaker volume level.

Firmware Version 2.3.7

This version of firmware adds these additional features:

1. Default instrument mix level set to 100%

When mixing a musical instrument such as a guitar or microphone with a song, the instrument volume level may have been too low to hear. The default mix level for musical instruments is now set to the maximum 100%.

2. New automatic power saving controls on the diagnostic menu:

A new power control menu item is available which allows the power-off and power-saving modes to be enabled or disabled. This is intended for use in a retail environment when the automatic power-off mode is not desirable.

3. Local Play/Pause controls for iPod and iPhone

When playing songs from an iPod or iPhone, the touch control for Play, Pause, Next Track, and Prev Track are now functional. The controls operate identically to the controls on the Apple device.

4. 3 Speaker Boombox Display

When playing songs from an iPod or an iPhone, the song title character display now shows "USB Digital Host" instead of "TDK Life on Record".

5. Improved Firmware Upgrade Protection

Under some circumstances, it was possible for the firmware upgrade to fail, resulting in an unusable product. New protections are in place to insure that the firmware upgrade will complete successfully.