

UltraDrive Firmware Update Tool Guide – 1571

This tool is used for F/W downgrading from 1711 to 1571 only

This update procedures are based on Ultra Drive LE/ME only. So if you have different SSD, it might be not working. Please remember Super Talent does not take any responsibility for data loss. So, please back up your data before doing F/W update, and read this guide carefully and follow all procedures correctly.

This tool is Windows based DOS version. Please run it on Windows XP.

1. Check P/N

Please check the Part Number on backside of SSD. Make sure the drive is FTMxxGX25H or FTDxxGX25H.



Picture 1. Ultra Drive Part Number

2. Check SSD F/W version

Please check the F/W version. On Computer Management, click **Disk drives**. Find the SSD, and check its properties. The F/W version number is showed on **Details** information. Below picture shows the SSD F/W is 1711.



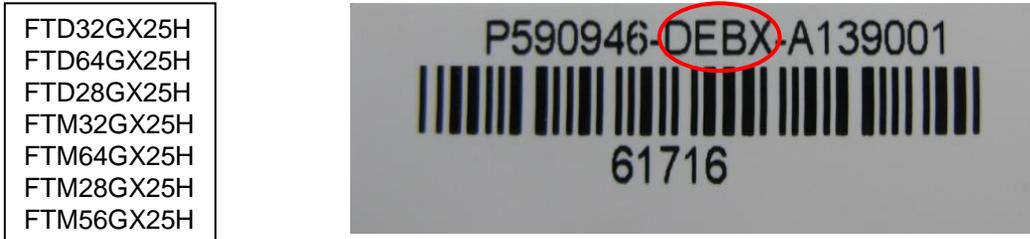
Picture 2. F/W version number '1711' is showed in Computer Management.

3. Download tool

Download the firmware update files from website.

4. Check SSD P/N and S/N to choose a correct tool

Check the P/N and S/N to get the correct update tool. The 4 numbers in the middle of the S/N, like 'DEBX' is very important for the tool choose.



Picture 3 and 4. P/N and full S/N.

Below table shows the relationship between the update tool and P/N & S/N. If the S/N is 'xEBX', please check the F/W version in Computer Management.

Tool Name	P/N	S/N
FTM32GX25H_1571	FTM32GX25H	'xEBX', 'xEAX', 'xEIX'
FTM64GX25H_1571	FTM64GX25H	'xEBX', 'xEAX', 'xEIX'
FTM28GX25H_1571	FTM28GX25H	'xEBX', 'xEAX', 'xEIX'
FTM56GX25H_1571	FTM56GX25H	'xEBX', 'xEAX', 'xEIX'
FTD32GX25H_1571	FTD32GX25H	'xEBX', 'xEAX', 'xEIX'
FTD64GX25H_1571	FTD64GX25H	'xEBX', 'xEAX', 'xEIX'
FTD28GX25H_1571	FTD28GX25H	'xEBX', 'xEAX', 'xEIX'
FTM28GX00X_1571	FTM28GX25H	'0000'
FTM64GX25H_TH1571	FTM64GX25H	'xTBX', 'xTAX', 'xTIX'
FTM28GX25H_TH1571	FTM28GX25H	'xTBX', 'xTAX', 'xTIX'
FTM56GX25H_TH1571	FTM56GX25H	'xTBX', 'xTAX', 'xTIX'

Table 1. Update tools' name

If your SSD S/N is not in the table, but the F/W is 1711. There is no problem to use this tool.

5. Update

Connect the SSD to the computer. This SSD should be the second drive on the computer. Boot up the computer to Windows XP.

Please read below notes carefully.

1. If the drive is running in AHCI mode, do not update the firmware.
2. For proper operation in Windows Vista, User Account Control should be turned off.
3. Do not terminate the program while the firmware is being updated.
4. Remove any partition on the target drive before proceeding.

Picture 5. Update Notes

- 1). Choose the exact tool to run. For example, if your SSD P/N is FTM28GX25H, the tool should be FTM28GX25H_1571. Just double click the tool name. A DOS window will be popped up.

```
C:\Tools\Update_1571\FTM28GX25H_1571.exe

1. If the drive is running in AHCI mode,
do not update the firmware.
2. For proper operation in Windows Vista,
User Account Control should be turned off.
3. Do not terminate the program while the firmware is being updated.
4. Remove any partition on the target drive before proceeding.

List of storage devices:

drive 0
  serial =          6QZ6ERYE
  firmware revision = 4.AAB
  model number = ST380815AS
  type = hard disk
  size = 156301488 sectors <74.5GB>
  WARNING: This drive has partition table.

drive 1
  serial = P546766-GGJQ-2259002
  firmware revision = 1711
  model number = STT_FTM28GX25H
  type = hard disk
  size = 250069680 sectors <119.2GB>

Enter the number of target drive: _
```

Picture 6. DOS window pops up. Update tool detects the SSD as drive 1.

- 2). Type the SSD drive number and press <Enter>. In picture 6, the SSD number is '1'.

```
C:\Tools\Update_1571\FTM28GX25H_1571.exe

3. Do not terminate the program while the firmware is being updated.
4. Remove any partition on the target drive before proceeding.

List of storage devices:

drive 0
  serial =          6QZ6ERYE
  firmware revision = 4.AAB
  model number = ST380815AS
  type = hard disk
  size = 156301488 sectors <74.5GB>
  WARNING: This drive has partition table.

drive 1
  serial = P546766-GGJQ-2259002
  firmware revision = 1711
  model number = STT_FTM28GX25H
  type = hard disk
  size = 250069680 sectors <119.2GB>

Enter the number of target drive: 1
WARNING: The target drive is going to be erased.
All data in it will be permanently lost and not be recoverable.

Press Y and Enter to proceed. _
```

Picture 7. Warning information.

3). Press 'Y'. The F/W update tool is performing now.

```

C:\Tools\Update_1571\FTM28GX25H_1571.exe
List of storage devices:
drive 0
  serial =          6QZ6ERYE
  firmware revision = 4.AAB
  model number = ST380815AS
  type = hard disk
  size = 156301488 sectors <74.5GB>
  WARNING: This drive has partition table.

drive 1
  serial = P546766-GGJQ-2259002
  firmware revision = 1711
  model number = STT_FTM28GX25H
  type = hard disk
  size = 250069680 sectors <119.2GB>

Enter the number of target drive: 1
WARNING: The target drive is going to be erased.
All data in it will be permanently lost and not be recoverable.

Press Y and Enter to proceed. Y
Firmware is being updated...Size of SDRAM is 64 MB

```

Picture 8. The tool is running.

6. Finish Update

If the update is done successfully, you can see the message like Picture 9. If you have any problem to update SSD, please make sure if all part number, firmware and serial number are correct or not. If that is correct, please reboot the system and try more times.

```

C:\Tools\Update_1571\FTM28GX25H_1571.exe
  serial =          6QZ6ERYE
  firmware revision = 4.AAB
  model number = ST380815AS
  type = hard disk
  size = 156301488 sectors <74.5GB>
  WARNING: This drive has partition table.

drive 1
  serial = P546766-GGJQ-2259002
  firmware revision = 1711
  model number = STT_FTM28GX25H
  type = hard disk
  size = 250069680 sectors <119.2GB>

Enter the number of target drive: 1
WARNING: The target drive is going to be erased.
All data in it will be permanently lost and not be recoverable.

Press Y and Enter to proceed. Y
Firmware is being updated...Size of SDRAM is 64 MB
\
SSD firmware has been successfully updated.
It is recommended that you reboot the computer or unplug the target SSD now.

```

Picture 9. Update finished successfully.

If there is problem, please contact to technical support in Super Talent.