**Revision Record**

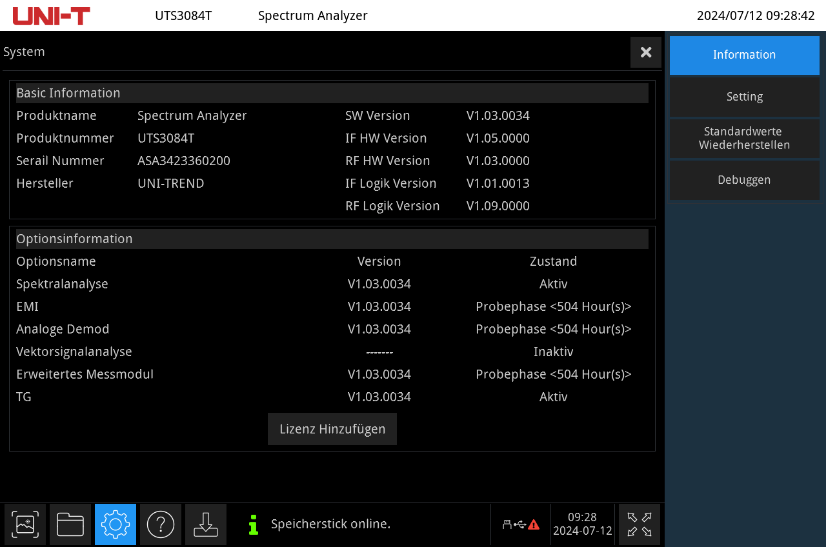
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| --- | --- | --- | --- | --- | --- |
| **Date** | **Hardware Version** | **IF Logic Version** | **RF Logic Version** | **Software Version** | **Revision Content** |

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| --- | --- | --- | --- | --- | --- |
| 2025/05/10 | IF:1.05.0000  RF:1.03.0000 | 1.01.0023 | **0.02.0005** | **1.04.0040** | 1. Modified the storage logic for factory trial and factory mode countdown. 2. Added forced USB upgrade using factory package. (Requires FAT32 USB drive with "utsx\_upgrade\_forced" directory containing upgrade files. Hold power button for 5+ seconds during boot until upgrade prompt appears.) 3. Fixed DANL issue 4. Fixed other bugs |
| 2025/03/21 | IF:1.05.0000  RF:1.03.0000 | **1.01.0023** | 0.02.0004 | **1.04.0033** | 1. Fixed file operation failure after 500 mode switches in real-time mode 2. Added test pages for touch/LED/buttons 3. Added 200-hour countdown for factory mode 4. Added logarithmic frequency axis in SA mode 5. Added EMI detector in SA mode (EMI option required) 6. Added disk repair function (fixes read-only disk caused by abnormal shutdown) 7. Enhanced upgrade reliability (factory folder for factory upgrades; user folder supports recovery) 8. SNA option now requires functional TG |
| 2024/10/21 | IF:1.05.0000  RF:1.03.0000 | 1.01.0017 | 0.02.0004 | **1.04.0020** | 1. Fixed remote MARKER:Y value issue 2. Fixed sound card crash 3. Resolved "waiting for trigger" in calibration |
| 2024/8/26 | IF:1.05.0000  RF:1.03.0000 | 1.01.0017 | 0.02.0004 | **1.04.0017** | 1. Added reflection measurement 2. Fixed SCPI-related issues 3. Added support for additional SN models |
| 2024/8/8 | IF:1.05.0000  RF:1.03.0000 | 1.01.0017 | 0.02.0004 | **1.04.0003** | 1. Optimized spurious performance 2. Added reflection bridge (hardware currently supports 3.2 GHz, 6 GHz version coming) 3. Phase priority when SPAN≤ 5 MHz 4. Optimized spurious in FFT mode with large SPAN and small RBW |
| 2024/7/5 | IF:1.05.0000  RF:1.03.0000 | 1.01.0017 | 0.02.0004 | **1.03.0067** | 1. Fixed abnormal RBW amplitude in EMI 2. Fixed SCPI-related bugs 3. Increased TG calibration points 4. Improved demod signal trigger stability in analog demod + SCPI fixes 5. Added PM demodulation 6. Fixed legacy bugs 7. Added max demod time for analog demod 8. Added import/export for analog demod |
| 2023/10/23 | IF:1.05.0000  RF:1.03.0000 | 1.01.0013 | 0.02.0004 | **1.03.0034** | 1. Fixed missing images/text from incorrect resource paths 2. Fixed \*IDN? SN empty response 3. Disabled fractional spur avoidance for old RF hardware (<1.03) due to amplitude errors 4. 3084T models now include TG by default |
| 2023/9/15 | IF:1.05.0000  RF:1.03.0000 | 1.01.0013 | 0.02.0004 | **1.03.0033** | 1. TG calibration start frequency: 10MHz for 3036, 100kHz for 3084 2. Fixed abnormal amplitude at last scan point with 9kHz start freq 3. Fixed issues from BUG list |
| 2023/9/8 | IF:1.05.0000  RF:**1.03.0000** | **1.01.0013** | 0.02.0004 | **1.03.0030** | 1. Added support for RF hardware V1.03 2. Fixed EMI averaging issues 3. Resolved SCPI issues |
| 2023/8/29 | IF:1.05.0000  RF:1.02.0000 | **1.01.0012** | **0.02.0004** | **1.03.0028** | 1. Fixed SCPI bugs 2. Improved amplitude compensation at RF segments 3. Fixed amplitude overflow in EMI averaging 4. Fixed zero span video trigger 5. Improved compatibility with RF hardware < 1.03 6. Fixed other BUGs |
| 2023/8/15 | IF:1.05.0000  RF:1.02.0000 | 1.01.0010 | 0.02.0001 | **1.03.0027** | 1. Fixed wide-span amplitude compensation error 2. Fixed spike points in wide-span compensation 3. Fixed crash with small span + large RBW 4. Added socket remote control 5. Fixed other BUGs |
| 2023/7/18 | IF:1.05.0000  RF:1.02.0000 | 1.01.0010 | 0.02.0001 | **1.03.0023** | 1. The first version |

**Firmware Upgrade Guide**

**Upgrade through the system interface**

1. Check the current hardware version of the instrument.
2. Download the corresponding version firmware from the official website.
3. Press the System key or click the Setting key on the displayed page.



1. Save the firmware to a USB flash drive.

图形用户界面, 文本, 应用程序, 电子邮件

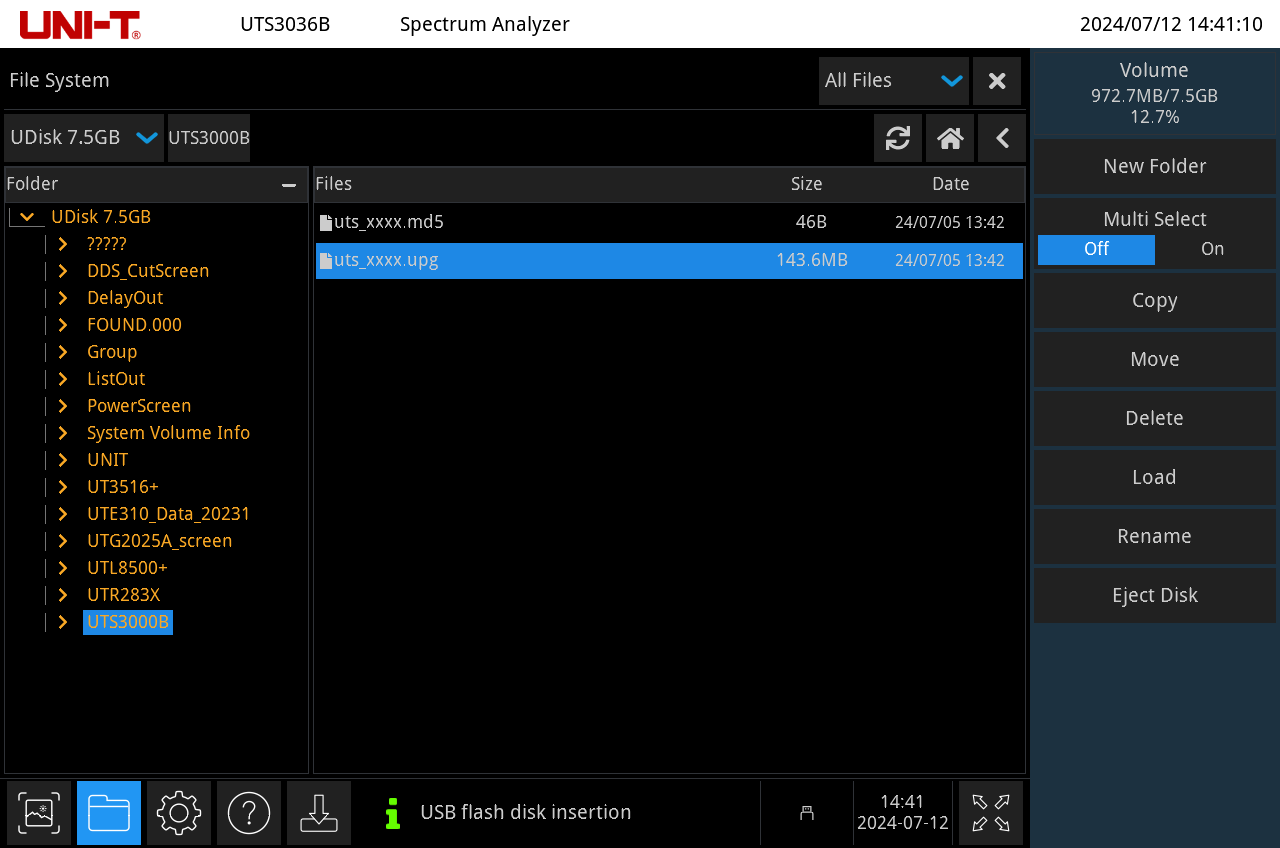
描述已自动生成

1. Insert the USB flash drive into the USB port on the front panel.

* Click the file folder 图片包含 文本

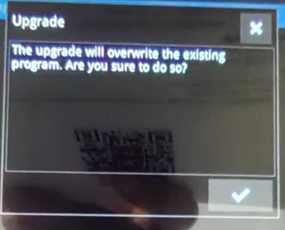
  描述已自动生成 key to enter the file system.
* Tap  at the top left corner of the screen to select the USB flash drive.
* Select the firmware file folder.
* Navigate to the folder where the firmware is stored, double-click  or single-click the **Load** menu on the right side to enter Upgrade Process. A prompt will appear “The upgrade will overwrite the existing program. Are you sure to do so?”
* Click 电脑屏幕的照片

  中度可信度描述已自动生成 to confirm the upgrade settings.



Click

double-click



1. Wait for the upgrade to complete and the instrument will automatically reboot without intervention. A normal reboot will complete the upgrade.
2. After the instrument reboots, unplug the USB flash drive. Go to the System Information page to view the current version information.

屏幕的截图

描述已自动生成