**Revision Record**

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

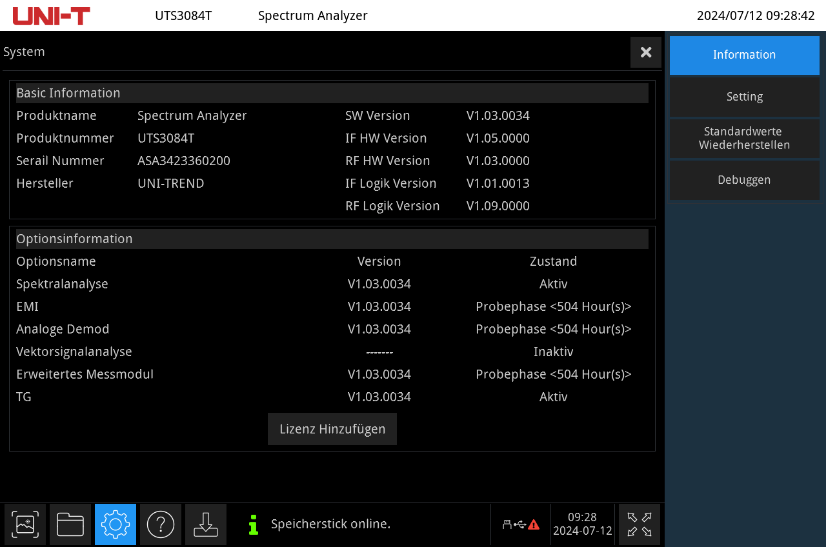
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| --- | --- | --- | --- | --- | --- |
| 2025/09/11 | IF:1.05.0000  RF:1.01.0000 | **1.00.0008** | 1.02.0000 | **1.04.0050** | 1. Fixed issue where adjusting RBW baseline noise altered in VNA mode 2. Fixed TG 0dBm overload issue 3. Fixed POI time update error in real-time mode 4. Optimized trace display in one window 5. Enabled simultaneous display of S11 and S21 in single window during VNA mode 6. Resolved several bugs |
| 2025/05/09 | IF:1.05.0000  RF:1.01.0000 | **1.00.0007** | **1.02.0000** | **1.04.0040** | 1. Modified the storage logic for factory trial and factory mode countdown. 2. Added forced upgrade via USB drive using factory upgrade package. (USB drive must be FAT32 formatted with a directory named "utsx\_upgrade\_forced" containing upgrade files. Press and hold the power button for 5+ seconds during startup until upgrade information appears on screen, then wait for automatic restart.) 3. Fixed DANL issue. 4. Fixed other BUGs. |
| 2025/02/25 | IF:1.05.0000  RF:1.01.0000 | 1.00.0004 | 1.01.0005 | **1.04.0028** | 1. Focused on fixing SCPI issues from the bug list. 2. Resolved the "waiting for trigger" issue during calibration. 3. Implemented fixed-device activation for factory mode. 4. Fixed other BUGs. |
| 2025/01/16 | IF:1.05.0000  RF:1.01.0000 | **1.00.0004** | 1.01.0005 | **1.04.0027** | 1. Fixed the issue where external trigger was invalid when TG was enabled. 2. Disabled the special factory-to-field mode switching feature. 3. Optimized SCPI commands. 4. Fixed other BUGs. |
| 2024/12/06 | IF:1.05.0000  RF:1.01.0000 | 1.00.0003 | **1.01.0005** | **1.04.0023** | 1. Fixed SCPI PEAK exit bug. 2. Fixed variable names mismatch in reference calibration files. 3. Optimized SCPI instruction may contain IDN information. 4. Fixed some BUGs. |
| 2024/10/23 | IF:1.05.0000  RF:1.01.0000 | 1.00.0003 | 1.01.0004 | **1.04.0022** | 1. Fixed logic bug that could cause damage to the speaker. 2. Fixed bug preventing device shutdown in remote mode. 3. Fixed some BUGs. |
| 2024/10/23 | IF:1.05.0000  RF:**1.01.0000** | **1.00.0003** | 1.01.0004 | **1.04.0021** | 1. Fixed stray issue in previous version. 2. Fixed issue in V1.00 when RF hardware prompted calibration failure. 3. Fixed some BUGs. |
| 2024/10/21 | IF:1.05.0000  RF:1.00.0000 | 1.00.0002 | 1.01.0004 | **1.04.0020** | 1. Fixed maker:Y? command bug. 2. Fixed audio card bug. 3. Fixed some BUGs. |
| 2024/10/18 | IF:1.05.0000  RF:1.00.0000 | 1.00.0002 | 1.01.0003 | **1.04.0019** | 1. Fixed issue where previous version could not be verified. 2. Fixed some BUGs. |
| 2024/10/15 | IF:1.05.0000  RF:1.00.0000 | **1.00.0002** | **1.01.0003** | **1.04.0018** | 1. Fixed issues with PNA. 2. Fixed self-correction logic. 3. Fixed known issues with VNA. 4. Fixed known issues with SCPI. 5. Fixed some BUGs. |
| 2024/09/04 | IF:1.05.0000  RF:1.00.0000 | 1.00.0001 | 1.01.0002 | **1.04.0015** | 1. Changed calibration method (requires modification of the internal 100M circuit and high/low frequency switching, combined with new calibration software). 2. Added new modes: LTE FDD, LTE TDD, and NR. 3. Added VNA calibration logic in factory settings. 4. Optimized VNA calibration logic. 5. Added DTF function. 6. Fixed issues with SCPI and ZenTao update BUG. |
| 2024/08/27 | IF:1.05.0000  RF:1.00.0000 | 1.00.0001 | **1.01.0002** | **1.04.0008** | 1. Optimized stray function. 2. Added automatic calibration. 3. Optimized 1 GHz phase noise. 4. Fixed issues with SCPI instructions, host computer communication, and inaccurate EMI Quasi-peak measurement. 5. Optimized VSA. |
| 2024/08/22 | IF:1.05.0000  RF:1.00.0000 | 1.00.0000 | **1.01.0001** | **1.04.0006** | 1. Optimized stray logic for frequency sweep. 2. Fixed issues with VNA. 3. Fixed issues with VSA. 4. Fixed issues with SCPI. 5. Fixed some BUGs. |
| 2024/08/17 | IF:1.05.0000  RF:1.00.0000 | 1.00.0000 | **1.01.0000** | **1.04.0004** | 1. Optimized stray function. 2. Optimized phase noise. 3. Fixed issues with IQ, VSA, and VNA. 4. Fixed some BUGs. |
| 2024/07/10 | IF:1.05.0000  RF:1.00.0000 | 1.00.0000 | 1.00.0000 | 1.03.0067 | 1. Initial update. 2. Fixed some BUGs. |

Note: RF hardware version V1.00.0000 is not compatible with V1.01.0000

**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 into a USB flash drive.

图形用户界面, 文本, 应用程序, 电子邮件

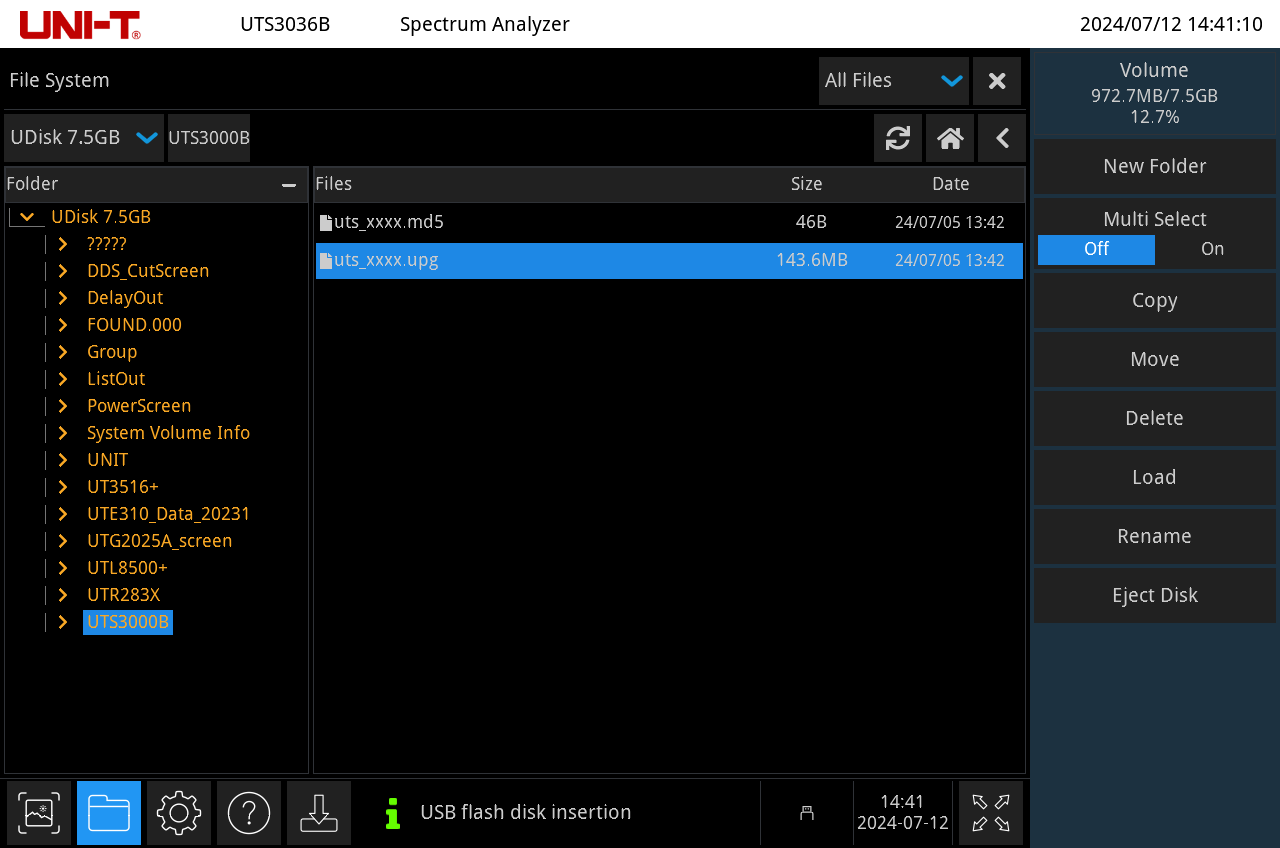
描述已自动生成

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

* Click the file folder 图片包含 文本

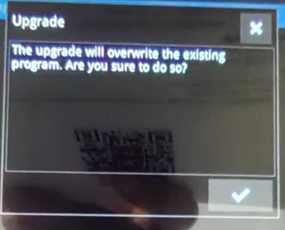
  描述已自动生成 key to enter the file system.
* Tap  at the top left corner of the screen to select the USB flash drive.
* Select the firmware file folder.
* Navigate to the folder where the firmware is stored, double-click  or single-click the Load menu on the right side to enter Upgrade Process. A prompt will 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 be completed. The instrument will automatically reboot without any intervention. A normal reboot will finalize the upgrade.
2. After the instrument reboots, unplug the USB flash drive. Then, go to the System Information page to check the current version.

屏幕的截图

描述已自动生成