

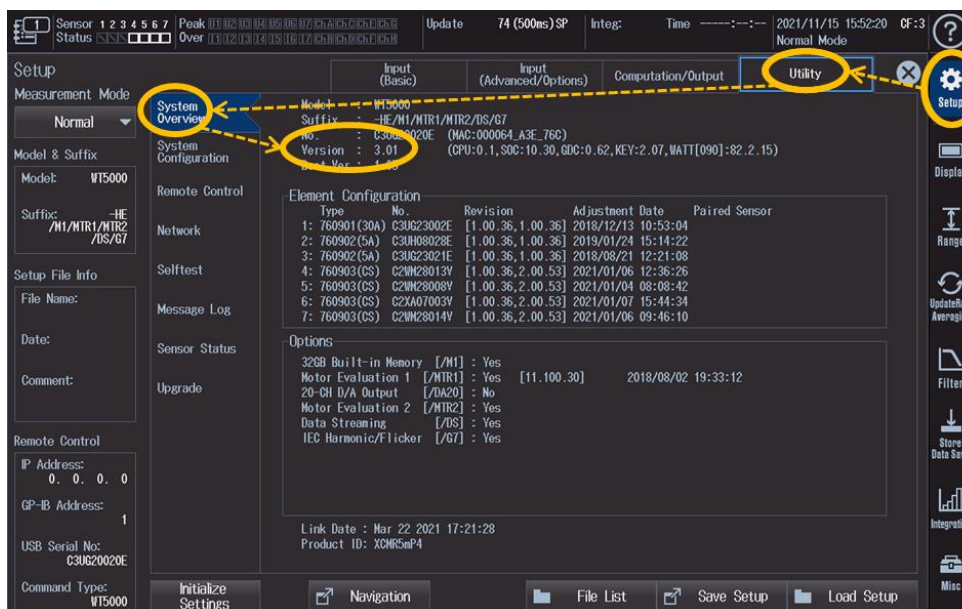
Installation Procedure

WT5000 Firmware Upgrade Procedure

This installation procedure explains how to upgrade the WT5000 Precision Power Analyzer firmware. Please make sure to follow the procedures below.

1. Preparation

- 1.1. Unzip the downloaded file. The zip file will contain the followings:
 - wt5000.bin
 - procedure_wt5000en_ed2.pdf (this file)
- 1.2. All settings other than date/time settings will be initialized during the upgrade. Please write down or save the settings to a file if needed before the upgrade. Also, communication interface settings will not be recovered from the setting file. Please be sure to write down the data and set it manually after the upgrade.
- 1.3. Check the previous version in the Setup -> Utility -> System Overview menu.



2. Upgrade

Follow the steps of 2.1 or 2.2 to do the upgrade.

2.1. Upgrade Method1 (Executable for all firmware versions)

- 2.1.1. Prepare a formatted USB memory device. Copy the firmware file "wt5000.bin" onto the root directory of the USB memory device.
- 2.1.2. Turn on the WT5000, save the settings to a file and write down communication interface settings if needed. For the details of the function, please refer to the User's Manuals of the product.
- 2.1.3. Turn off the WT5000.
- 2.1.4. Insert the USB memory device containing the copied firmware into the WT5000's USB memory port.

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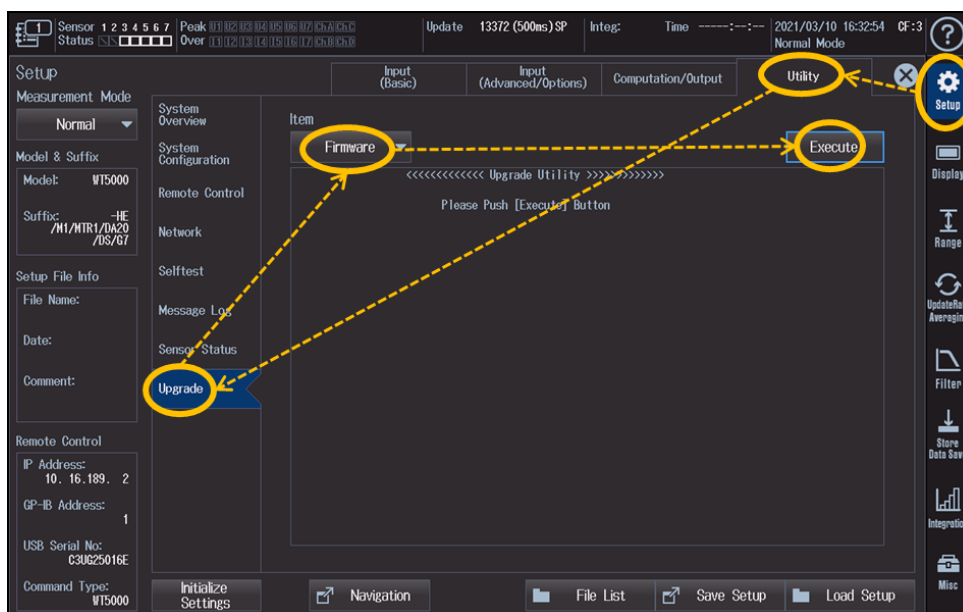
- 2.1.5. Turn on the WT5000 while holding down the ELEMENTS [5] and [6] keys at the same time. Release the keys when the display shows “Firmware Updating”.



- 2.1.6. Wait about 3 minutes while the program automatically writes the new firmware data to the internal memory. Please do NOT turn off the WT5000 during the above process as it might corrupt the system.
- 2.1.7. The instrument will restart automatically after the writing to the internal memory is completed.
- 2.1.8. Follow the steps after 3. Confirming upgrade.

2.2. Upgrade Method2 (Executable for upgrading from firmware versions 3.01 and after)

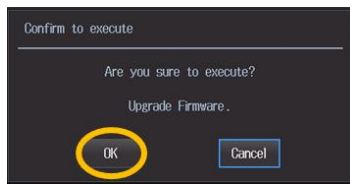
- 2.2.1. Turn on the WT5000.
- 2.2.2. Save the settings to a file and write down communication interface settings if needed. For the details of the function, please refer to the User's Manuals of the product.
- 2.2.3. Copy “wt5000.bin” to the root directory of the internal storage (User).
You can do so via a network using the FTP server function or the Net Drive function. You can also use a USB storage device for it. For the details of each function, please refer to the User's Manuals of the product.
- 2.2.4. Open the Setup -> Utility -> Upgrade menu. Set Item to Firmware. Press Execute.



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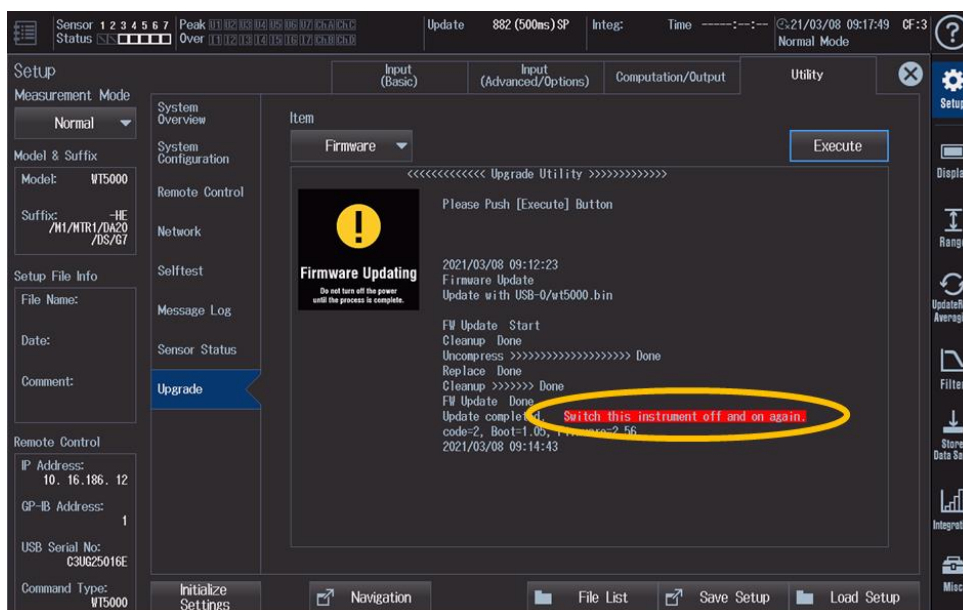
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2.2.5. The following message will appear. Press OK, the firmware upgrade begins.



2.2.6. When the upgrade is finished, the screen will display as shown below. The message "Switch this instrument off and on again." will appear.

It will take about 3 minutes to complete the firmware update. Please do NOT turn off the WT5000 until the completed message appears, as it may corrupt the system.



2.2.7. Reboot the WT5000.

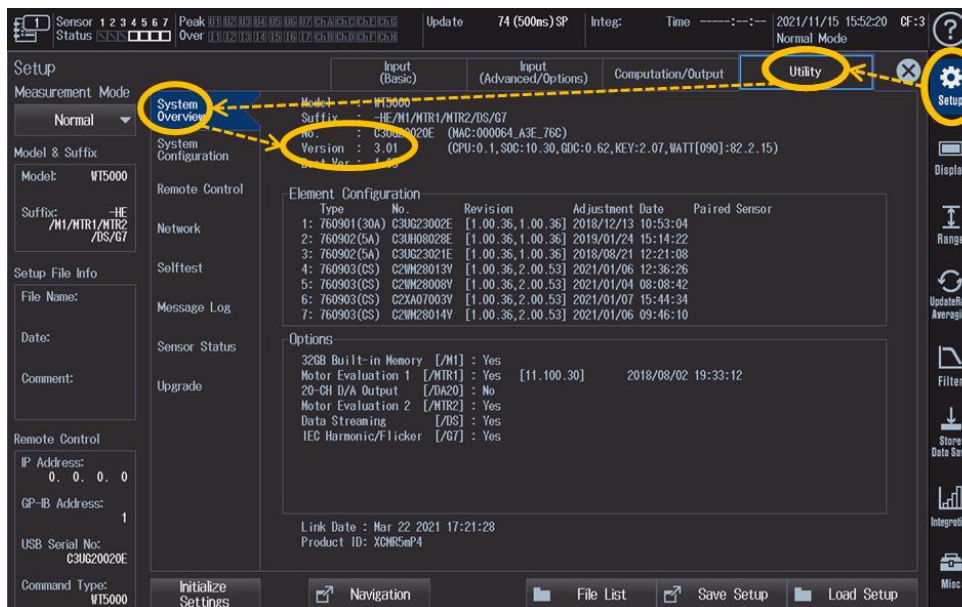
2.2.8. Follow the steps after 3. Confirming upgrade.

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3. Confirming upgrade

- 3.1. Open the Setup -> Utility -> System Overview menu. Confirm that the version number under Firmware Version is correct.



- 3.2. Load the setting file saved in step 2.1.2 or 2.2.2, if necessary. Also, please manually set the communication interface settings.