

Firmware Upgrade Guide

Anritsu ML2430A, ML2480A/B, and ML2490A Series Power Meters

Requirements

- Anritsu bootloader software utility
- Bootloader cable (Anritsu part number B41323 – a 9 pin female to 9 pin female RS-232 cable, with TX & RX swapped, CTS & RTS swapped, and DTR & DSR swapped)
- Anritsu ML2400 series power meter (ML2437A, ML2438A, ML2487A/B, ML2488A/B, ML2495A, or ML2496A)
- The associated new firmware files
- Intel-based PC with a Pentium or equivalent processor and the Microsoft® Windows® 2000, Windows XP, or the Windows 7 operating system (32- or 64-bit)

Note

Both the Anritsu Bootloader software utility and power meter firmware can be downloaded from www.anritsu.com. These files will be under the **Library** tab on the associated product page under the **Drivers, Software Downloads** heading. For example, for an ML2495A, the files can be found at:
<http://www.anritsu.com/en-US/Products-Solutions/Products/ML2495A.aspx>



Installing the Anritsu Bootloader

1. Unzip the Anritsu Bootloader software utility and power meter firmware files.
 2. Install the Anritsu Bootloader software utility. The installer will guide you through the steps required to install the Anritsu Bootloader on your computer.
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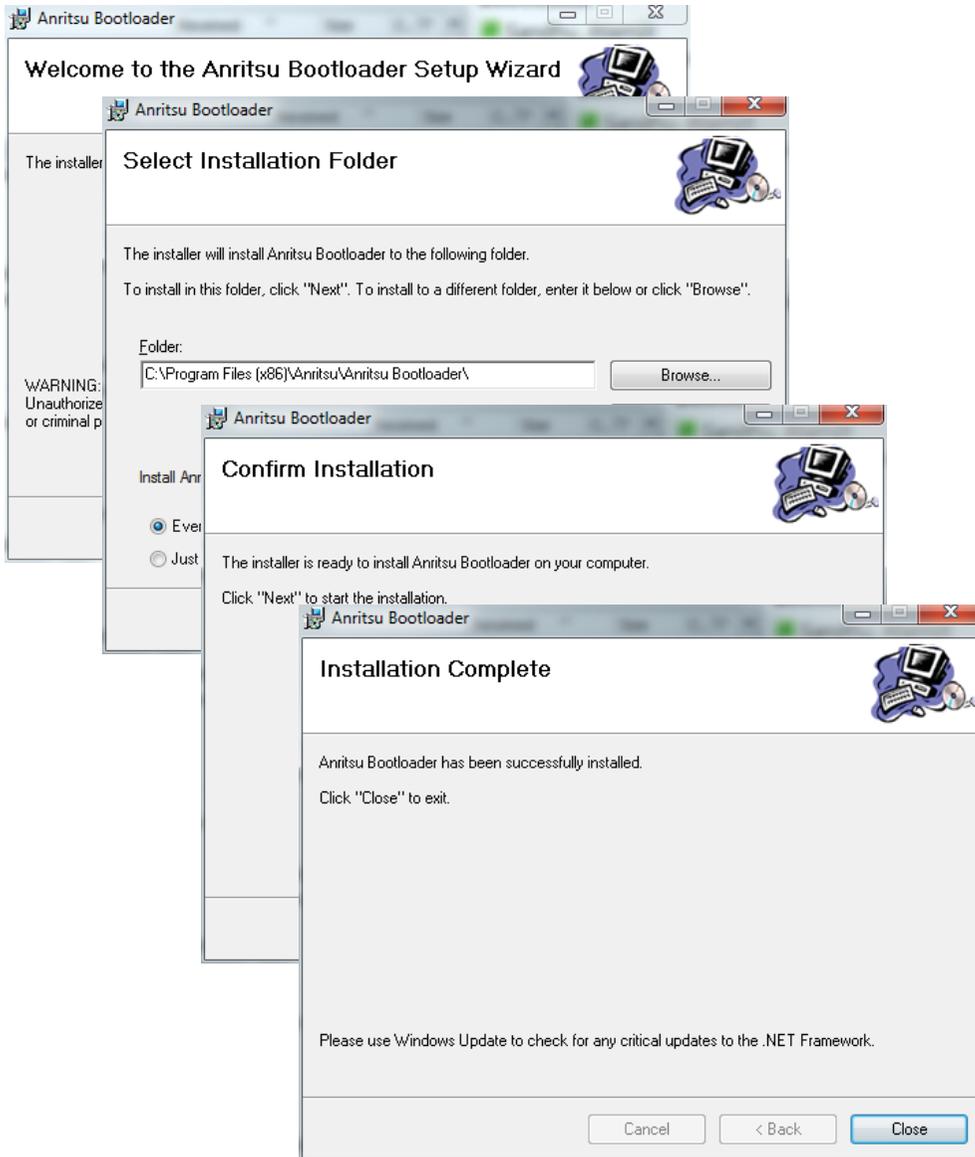


Figure UG-1. Anritsu Bootloader Installation

Running the Anritsu Bootloader

3. Click the Anritsu Bootloader desktop icon or launch the software from the Windows Start menu.
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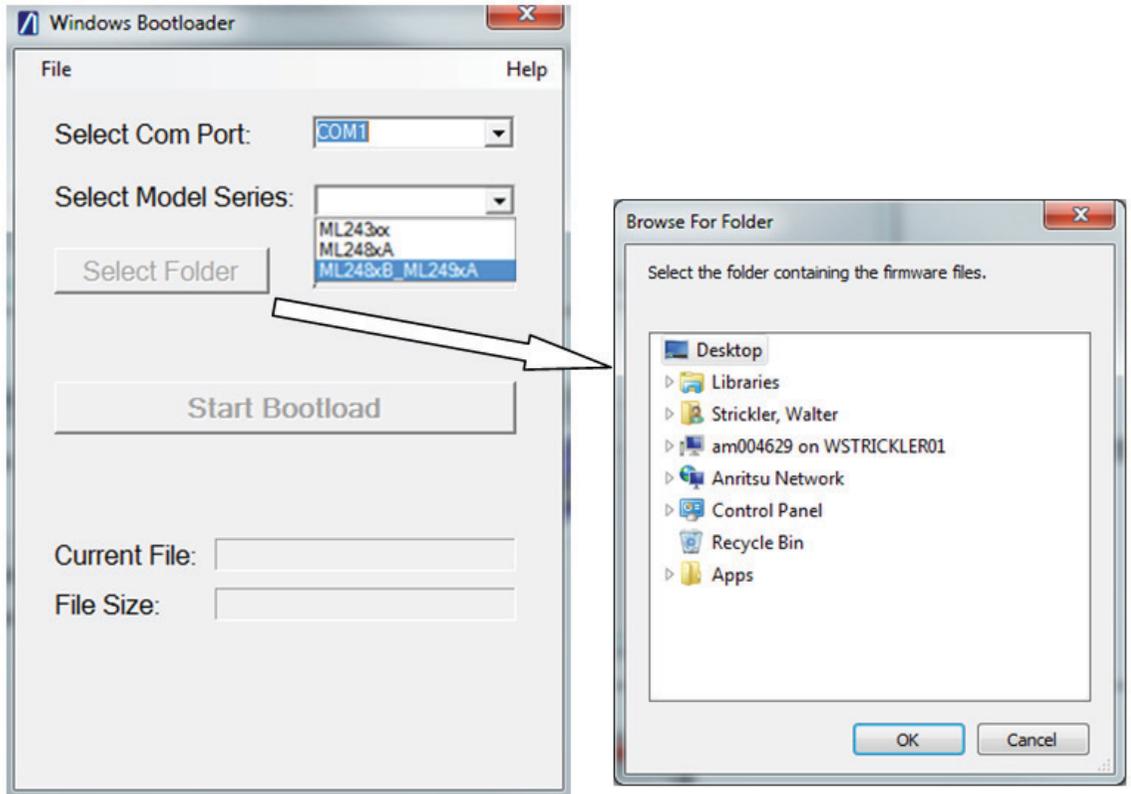


Figure UG-2. Anritsu Windows Bootloader

4. Select PC COM Port 1 or 2 and connect the PC to the power meter using the bootloader cable.
5. Select your power meter model series (ML243xx, ML248xA, or ML248xB_ML249xA).
6. Select the folder where the power meter firmware is located.
7. Place the power meter in bootload mode:

ML2430A Power Meters:

- a. Select **SYSTEM | MORE | MORE | MORE**.
- b. Press the BLANK soft key twice and select **BOOTLOAD**. The power meter is now set to bootload mode and is waiting for input from the PC.

ML2480A/B and ML2490A Power Meters:

- a. Select **SYSTEM | SERVICE | UPGRADE | CONTINUE**.
At this point, there should be a pop-up window on the screen indicating "Downloading software, please wait".

8. Click the Start Bootload button.

Caution DO NOT REMOVE POWER FROM THE PRODUCT WHILE LOADING FIRMWARE. A power disruption results in a non-recoverable error and will require the power meter to be returned to a customer service center.

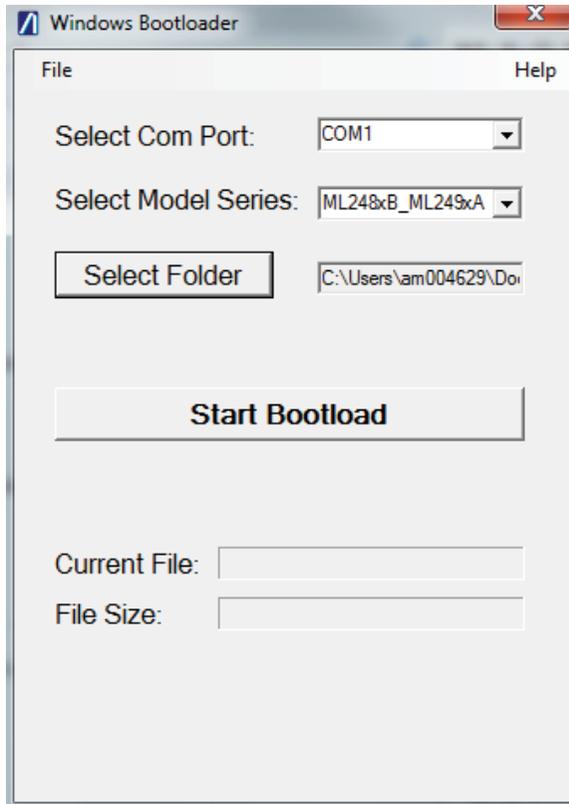


Figure UG-3. Anritsu Windows Bootloader

While loading, the power meter screen will turn off and the PC screen will show the files being loaded and a counter indicating progress. When finished, the power meter will restart and the software utility will indicate that it has finished.

If you encounter any problems, please contact:
powermeter.support@anritsu.com

