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)

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

	Jal Amerikan De					
The installer	Select Installation Folder					
WARNING: Unauthorize or criminal p	The installer will install Anritsu Bootloader to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".					
	Folder:					
	C:\Program Files (x86)\Anritsu\Anritsu Bootloader\ Browse					
		闄 Anritsu B	ootloader 📃 🗖 🗖			
	Install Anr	Confirm Installation The installer is ready to install Anritsu Bootloader on your computer. Click "Next" to start the installation. ☆ Anritsu Bootloader				
	Ever					
	Just					
			Installation Complete			
			Anritsu Bootloader has been successfully installed.			
			Click "Close" to exit.			
			Please use Windows Update to check for any critical updates to the .NET Framework.			



## **Running the Anritsu Bootloader**

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

	нер	
ect Com Port: COM1	•	
ect Model Series:	B	rowse For Folder
Select Folder	ML249xA	Select the folder containing the firmwa
		Desktop
Start Bootload		Strickler, Walter
		Anritsu Network
		Control Panel
ent File:		Recycle Bin Apps
Size:		

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.

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

Windows Bootloader							
File	Help						
Select Com Port:	COM1 -						
Select Model Series:	ML248xB_ML249xA						
Select Folder	C:\Users\am004629\Doi						
Start Bootload							
Current File:							

#### 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







Anritsu utilizes recycled paper and environmentally conscious inks and toner.

Anritsu Company 490 Jarvis Drive Morgan Hill, CA 95037-2809 USA http://www.anritsu.com