Handheld LCR Meter

LCR-1100/1010

FIRMWARE UPDATE MANUAL

VERSION: 1.00

ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

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Good Will Instrument Co., Ltd.

No. 7-1, Jhongsing Rd., Tucheng Dist., New Taipei City 236, Taiwan.

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INTRODUCTION

The LCR-1000 Series Handheld LCR Meters have upgradable firmware to ensure your purchase has a long and useful life with updates and improvements.

There are two models in the LCR-1000 Series, all of which can be updated by using the same common firmware file.

Requirements

Hardware	• LCR-1100/1010 • USB Cable(Type-A and Type-C)
Software	• LCR1000_ISP.exe • Firmware: LCR1000.Ax.xx.A2OS
Note	Contact your local distributor for latest firmware.

FIRMWARE UPDATE PROCEDURE

Update the microcontroller

Firmware/ Software file

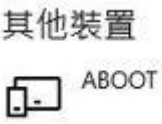
1. Prepare updated firmware (*.A2OS) and flash microcontroller software (LCR1000_ISP.exe). And place it in the control computer.

Enter update mode

2. When the LCR-1000 is turned off, press the power button and backlight button at the same time to turn on the power and enter the update mode.(Power light flashes green)

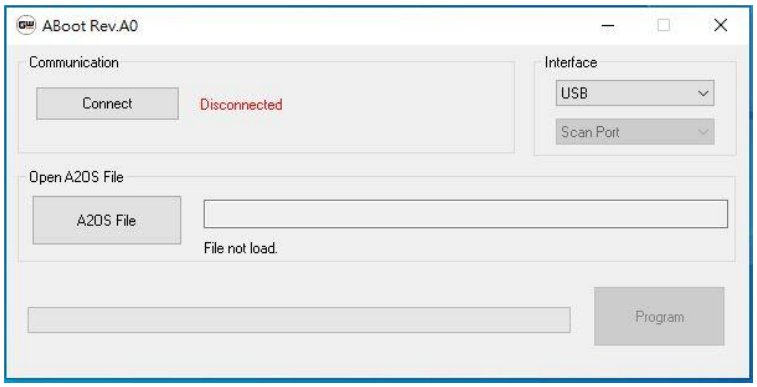
Plug in the USB cable

3. Plug the USB cable into the USB port of the LCR-1000 and the USB port connected to the control computer. The computer will recognize the LCR-1000 as an "ABOOT" device.

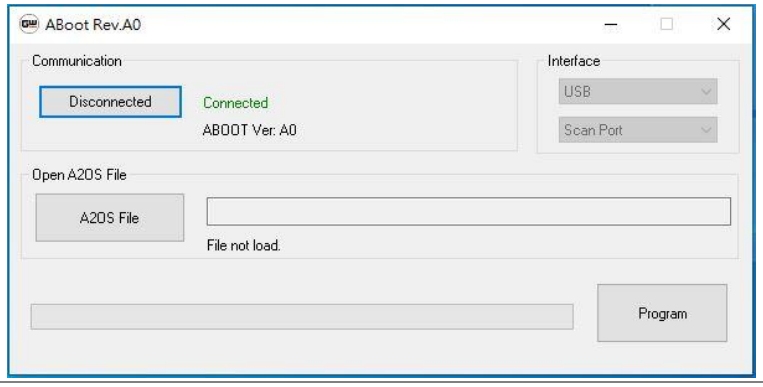


Start the software and connect to the LCR-1000

4. Click on the software (LCR1000_ISP.exe) to start software (ABoot). Press the "Connect" button to connect to the LCR-1000.

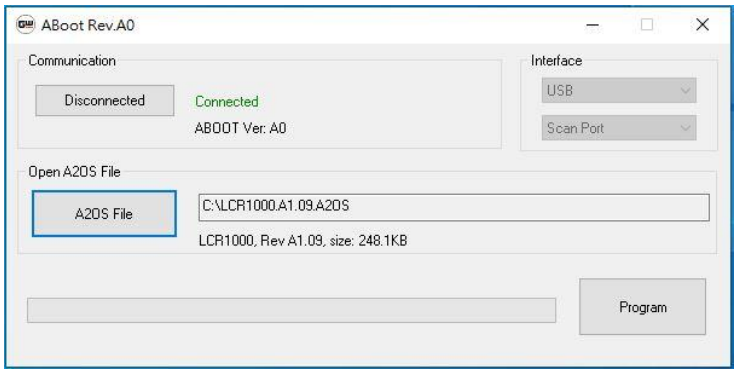


5. If the connection is successful, "Connected" will be displayed in green font.

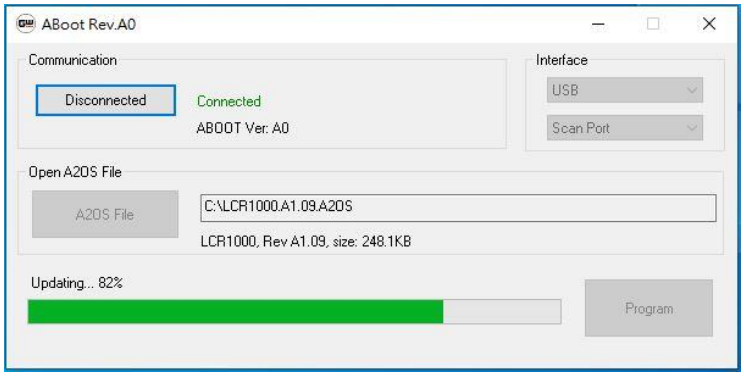


Flashing process

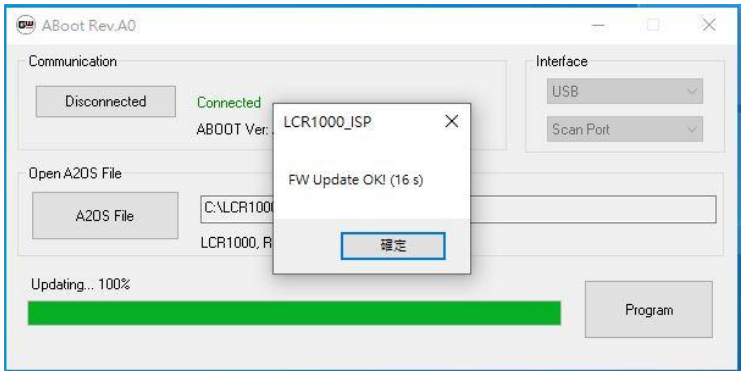
6. Press the "A2OS File" button to open the file window and select the firmware.



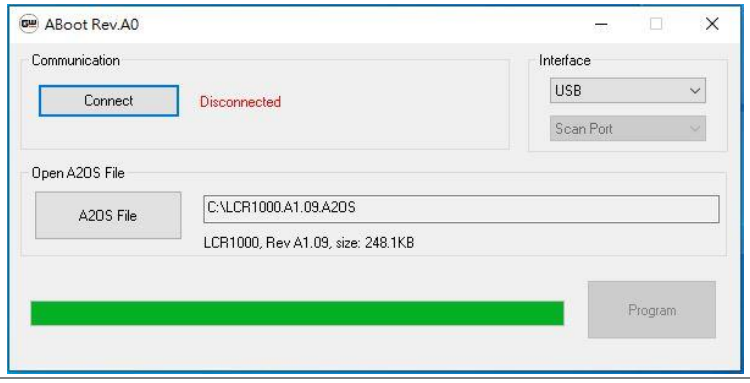
7. Press the "Program" button to execute the firmware update operation.



8. When the firmware update is completed, the "FW update OK!" message window will be displayed.



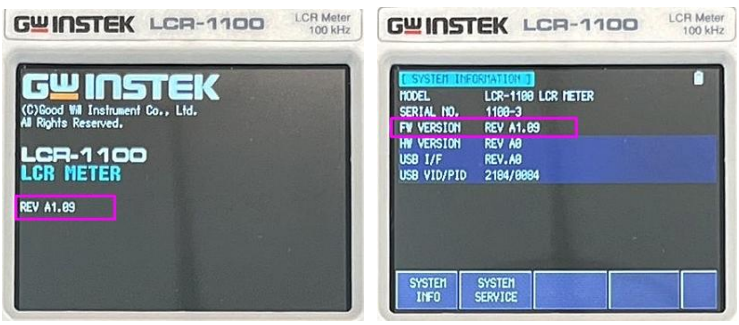
9. Press the "Disconnected" button to disconnect the connection. When "Disconnected" is displayed, remove the USB cable of the LCR-1000.



Update confirmation

10. Press the power button to restart the LCR-1000. The updated firmware version will be displayed on the LCD when booting.

11. After booting, you can go to "SYSTEM INFORMATION" to view the "FW VERSION" firmware version information.



12. The update procedure is complete.

13. If the update process fails, please check whether the USB cable is well connected, whether the LCR-1000 correctly enters the update mode (power button flashes green light), and repeat the update process again.

    ✓ FW updating, don't remove the USB cable.

    ✓ FW updating, don't turn off the power of LCR-1000.