

# Multi-Channel Function Generator

MFG-2000 Series

FIRMWARE UPGRADE GUIDE  
GW INSTRUMENT PART NO. N/A



ISO-9001 CERTIFIED MANUFACTURER

**GW INSTRUMENT**

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# UPGRADE PROCEDURE

This firmware upgrade guide describes how to upgrade the MFG-2000 series firmware.

## 1. Necessary

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Preparation      Firmware: MFG-2XXX\_Upgrade\_VX.XX.rar  
(2XXX means 21XX Series or 22XX Series ; VX.XX means the coding for version)

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Operation      i. Unzip the MFG-2XXX\_Upgrade\_VX.XX.rar ,  
there might have four files.

21XX Series :

*MFG1VXXX.bin, MCFFPGA.bin, HZ12.bin* and  
*WAVEMORE.bin*

22XX Series :

*MFG2VXXX.bin, MFG4FPGA.bin , HZ12.bin* and  
*WAVEMORE.bin*








PS : We only need to choose the

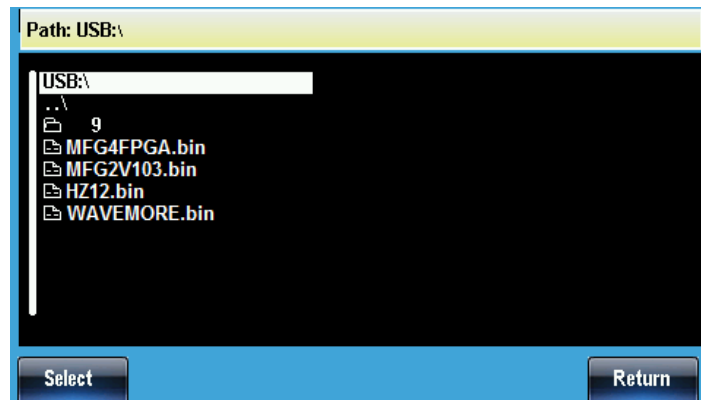
**MFG1VXXX.bin/MFG2VXXX.bin** for update.

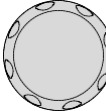
ii. Unzip the file to the root directory as below  
(e.x.MFG-22XX)





## 2. Upgrade procedures

- Operation
- a. Press UTIL 
  - b. Press F3(Cal.)   

  - c. Press F2 (Software)   

  - d. Unzip the file to the root directory and press F2(Upgrade)   




- e. Rotate the knob to the right file(MFG2V103) 



- f. Press F1 ( Select ) and upgrade it.   




NOTE

**Please put all files in the root and just need to upgrade MFG2VXXX/1VXXX.bin file**

Check  
version

You can look up the version when at step "C"

Version

F 1

Version inf. Model name,CPU version, FPGA version, S/N,Software  
release date

Updating the firmware is completed.