

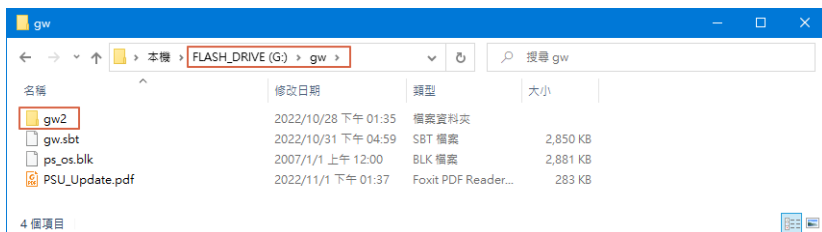
## Firmware Update



### Note

- Ensure the load is not connected.
- Ensure the output is off.
- This procedure for the Firmware version 1.12 and larger than 1.12
- The USB Flash Drive must be in FAT32 file format.

1. Insert the USB Flash Drive with  
    \gw\gw.sbt and  
    \gw\gw2\gw2.sbt  
  
    \gw\ps\_os.blk and  
    \gw\gw2\ps\_os2.blk  
  
    (Must put these files in the \gw)

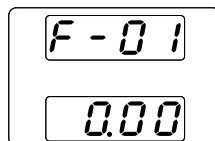


2. Press the Function key. The function key will light up.

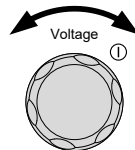
Function



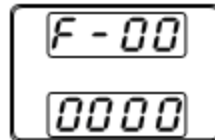
3. The display will show F-01 on the left and the configuration setting for F-01 on the right.



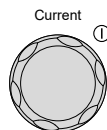
4. Rotate the voltage knob to change the F setting, until to F-00



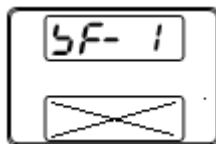
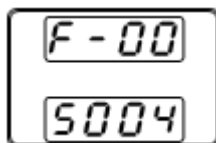
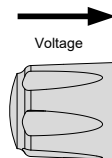
5. The display will show F-00 on the left and the 0000 for the Password for F-00 on the right.



6. Use the current knob to set the Password for the F-00 setting. The Password is "5 0 0 4"

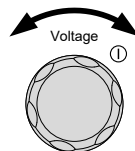


7. Press the Voltage knob to enter the Calibration Mode. SF- 1 will be displayed when successful.

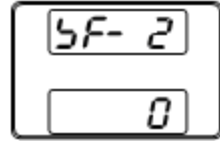


X for don't care

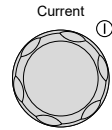
8. Rotate the voltage knob to change the SF setting, until to SF- 2



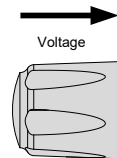
9. The display will show SF- 2 on the left.



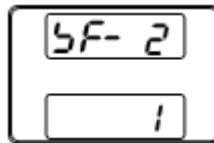
10. Use the current knob to set the value for the SF- 2. The value is "1" on the right.



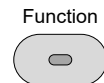
11. Press the Voltage knob to copy the new firmware to the DC Power Supply.



After the copy procedure is finished, the DC Power Supply will reboot automatically.



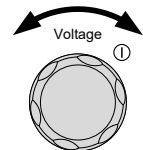
12. Press the Function key. The function key will light up.



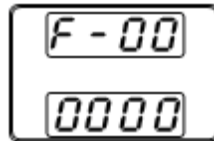
13. The display will show F-01 on the left and the configuration setting for F-01 on the right.



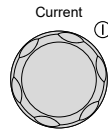
14. Rotate the voltage knob to change the F setting, until to F-00



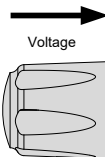
15. The display will show F-00 on the left and the 0000 for the Password for F-00 on the right.



16. Use the current knob to set the Password for the F-00 setting. The Password is "5 0 0 4"

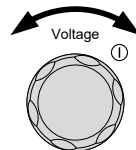


17. Press the Voltage knob to enter the Calibration Mode. SF- 1 will be displayed when successful.

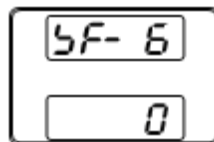


for don't care

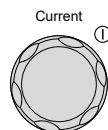
18. Rotate the voltage knob to change the SF setting, until to SF- 6



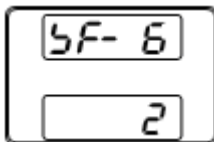
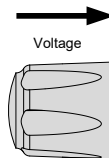
19. The display will show SF- 6 on the left.



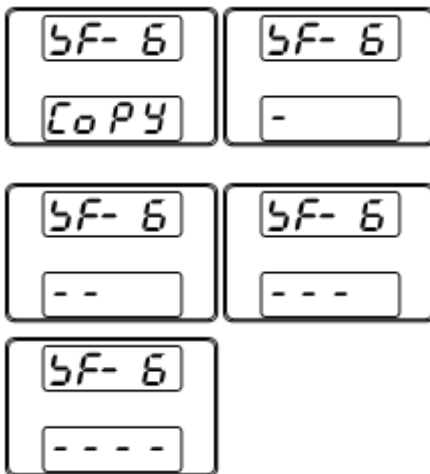
20. Use the current knob to set the value for the SF- 6. The value is "2" on the right.



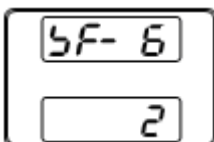
21. Press the Voltage knob to copy the new kernel to the DC Power Supply.



22. On progressing, the display will show blew lists.



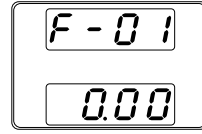
23. After SF- 6 ok, the system will back to the SF-6 "2". **Cycle Power to complete this procedure.**



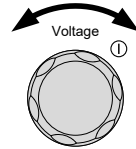
24. Press the Function key. The function key will light up.



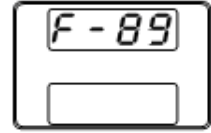
25. The display will show F-01 on the left and the configuration setting for F-01 on the right.



26. Rotate the voltage knob to change the F setting, until to F-89



27. The display will show F-89 on the left and  
Checking the value showed as below.



0: 02

1: 33

2: 20

3: 25

4: 09

5: 24 (02.33.20250924)

8: 05

9: 01 (CPLD: 0501)

C: 20 / 20

D: 22 / 23

E: 02 / 03

F: 11 / 09 (KERNEL: 20220211)<sup>(1)</sup> or (KERNEL: 20230309)<sup>(2)</sup>

M: 00 / 01 (Board Version: 00) or 01 (Board Version: 01)

Note: <sup>(1)</sup> If the M item is 00. <sup>(2)</sup> If the M item is 01.