

## The procedures for updating the software on inverter

\* This file is for the unit with RS232 communication interface.

**Step 1:** Connect the unit and the PC by a RS232 to RJ45 cable



Figure 1

**Step 2:** Connect the DC power or battery (must be more than start up voltage, i.e. >11.5V for 12V model and >23.0V for 24V model and >46.0V for 48V model) to the battery connector

**Step 3:** Check COM port number you are using in Computer management >> Device manage >> Ports(COM & Port).

**Note:** Make sure all application communication software using this COM port is closed. The application software include some UPS monitoring software

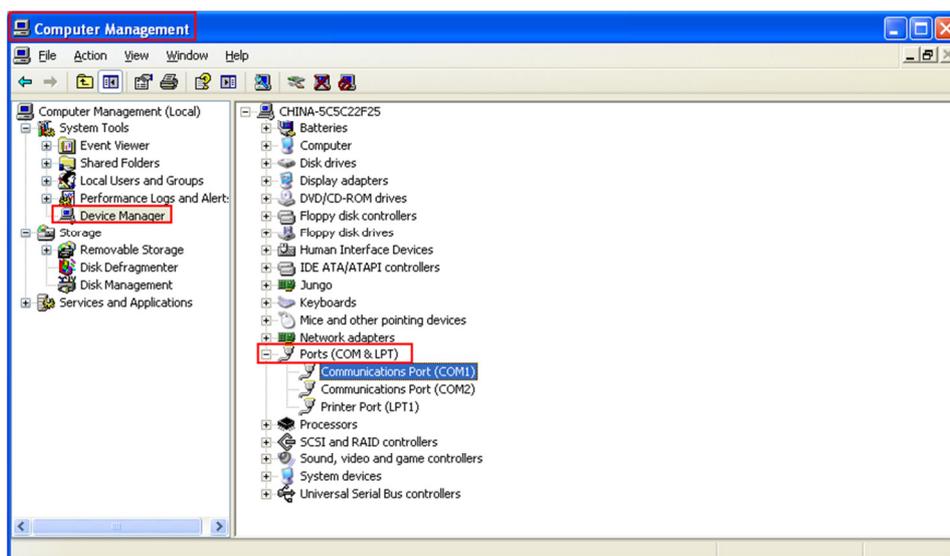


Figure 2

**Step 4:** Execute 'InvReflashTool.exe'

**Step 5:** Click interface check box to select the right COM port(Check in step 3)

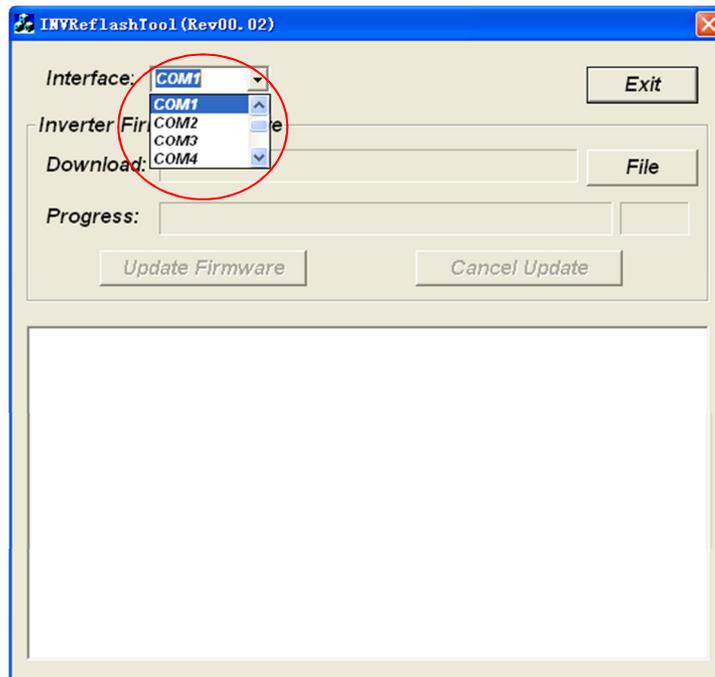


Figure 3

**Step 6:** Click **File** button.

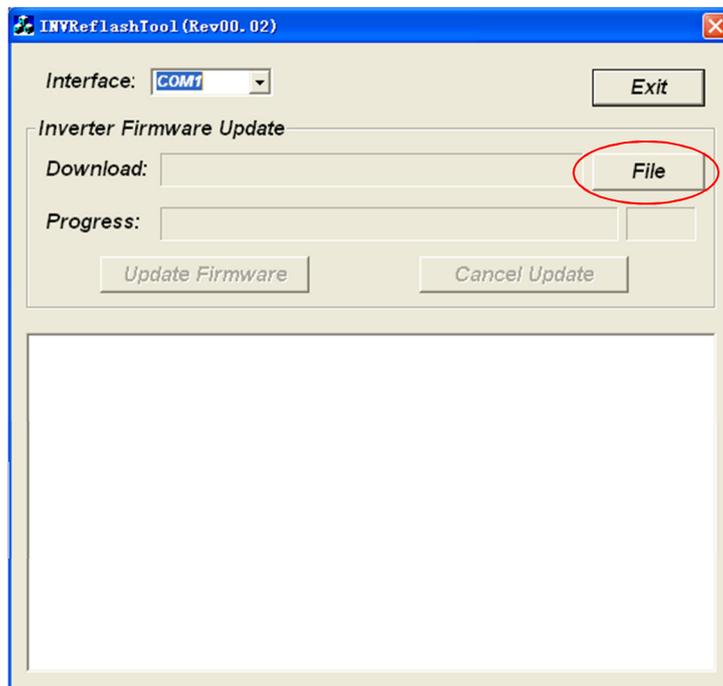


Figure 4

Select the firmware file, by double clicking it.

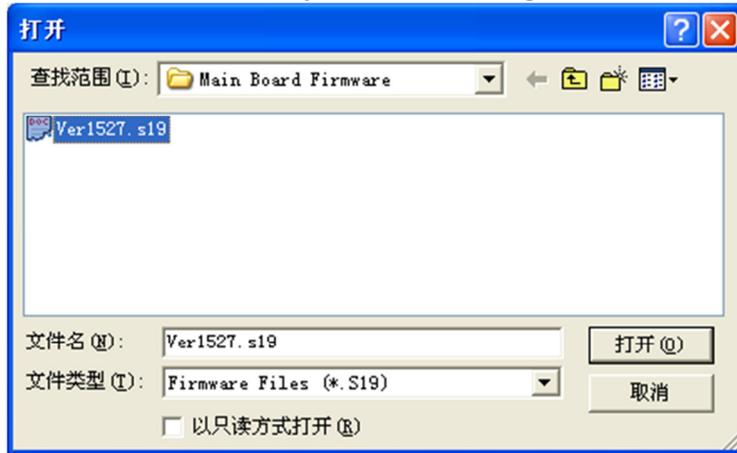


Figure 5

**Step 7:** Click **Update Firmware** button to update firmware.

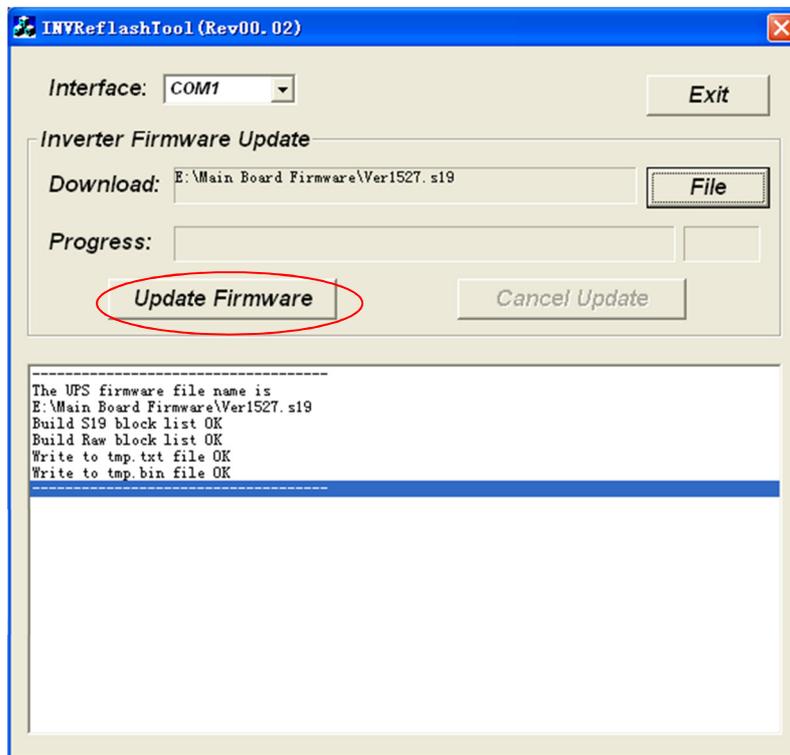


Figure 6

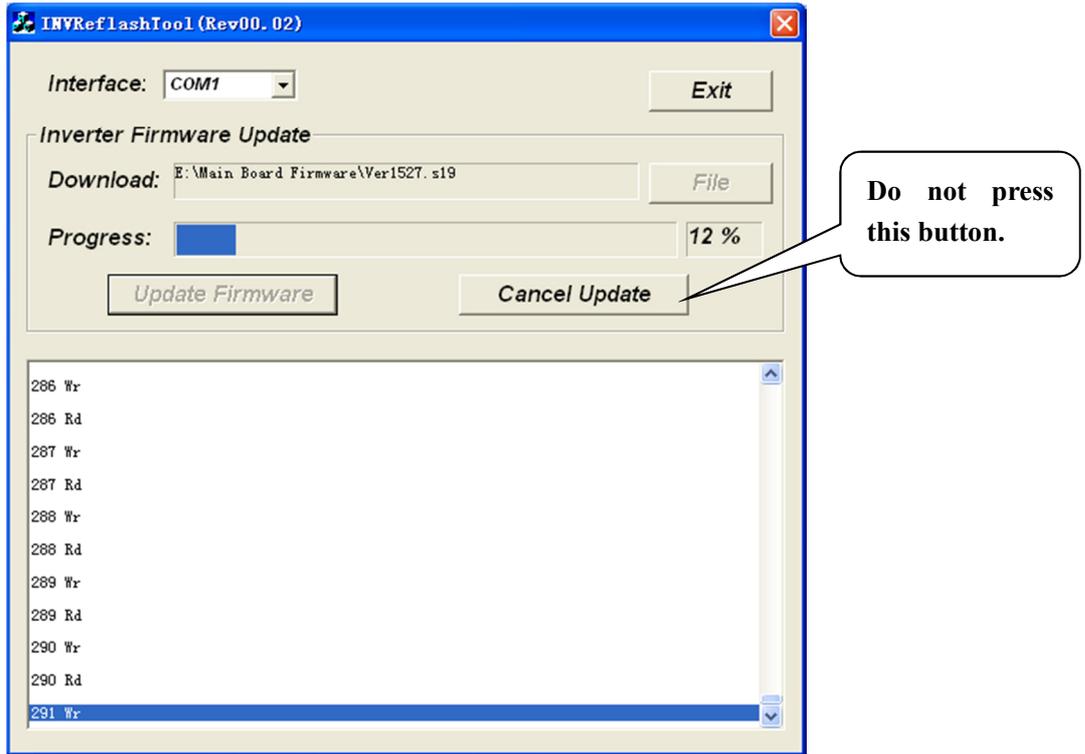


Figure 7

**Step 8:** When the processing bar is up to 100%, below dialog will pop-up to remind you the programming is successful! Now the software of the main board is updated completely!

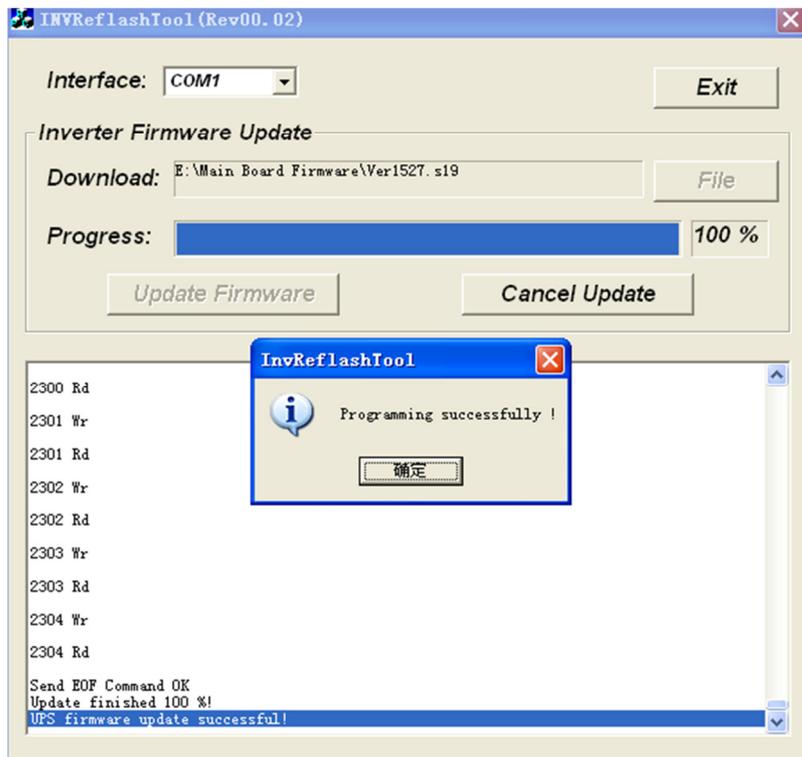


Figure 9

**Notes:**

1. If you want to update another unit, don't close "InvReflashTool.exe" software, and restart from step 6.
2. If below error appears in step 7, please check the connection cable between computer and inverter, and check communication port refer to step 3. Then close "InvReflashTool.exe", and restart from step 4.

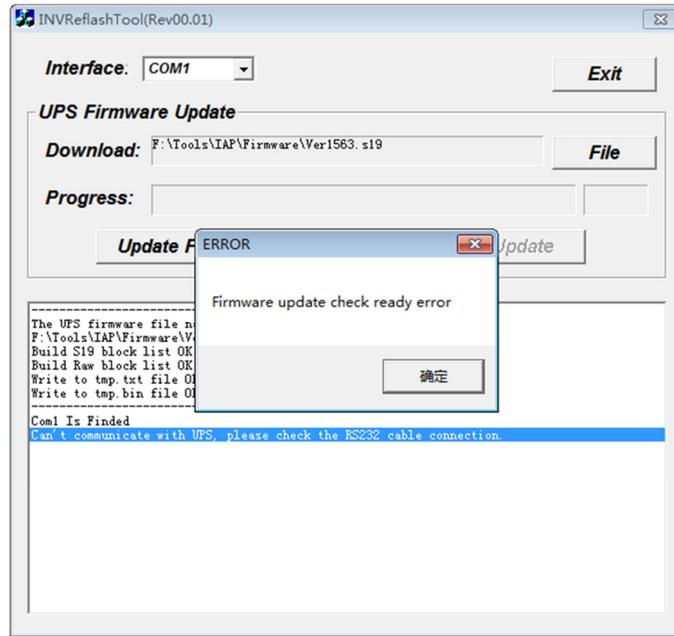


Figure 10

3. If below error appears before step 8, "read data Err" means programming fail. This may be because of communication lost in programming. Please close "InvReflashTool.exe", remove the DC power or battery to the battery connector, and then restart from step 2.

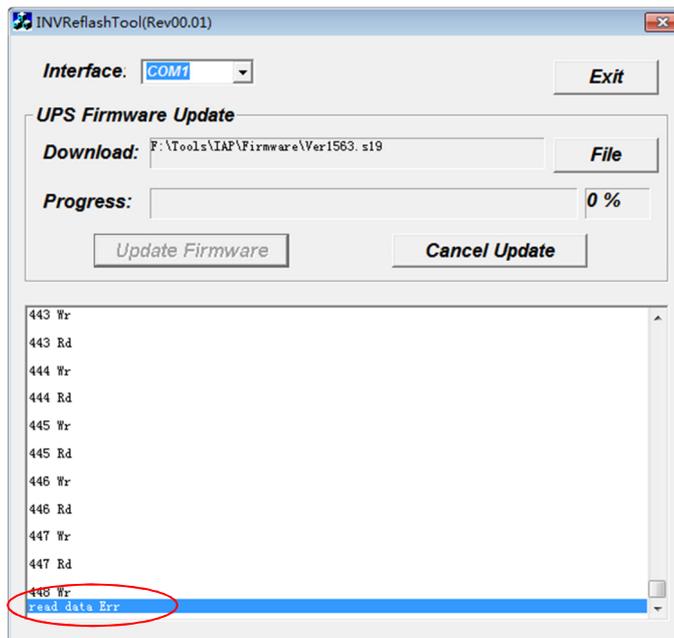


Figure 11