

Inverter firmware upgrade instructions (user end)

Solitra Power (Pvt) Ltd.



Firmware upgrade SP Viewer (android)

Caution

Please make sure there is no interruption when you perform the firmware upgrade with your mobile phone, such as a calling, text message or instant messaging to the mobile phone, getting far away from the inverter, exiting from the APP...etc.

Otherwise, the inverter needs to be replaced to complete the firmware upgrade.

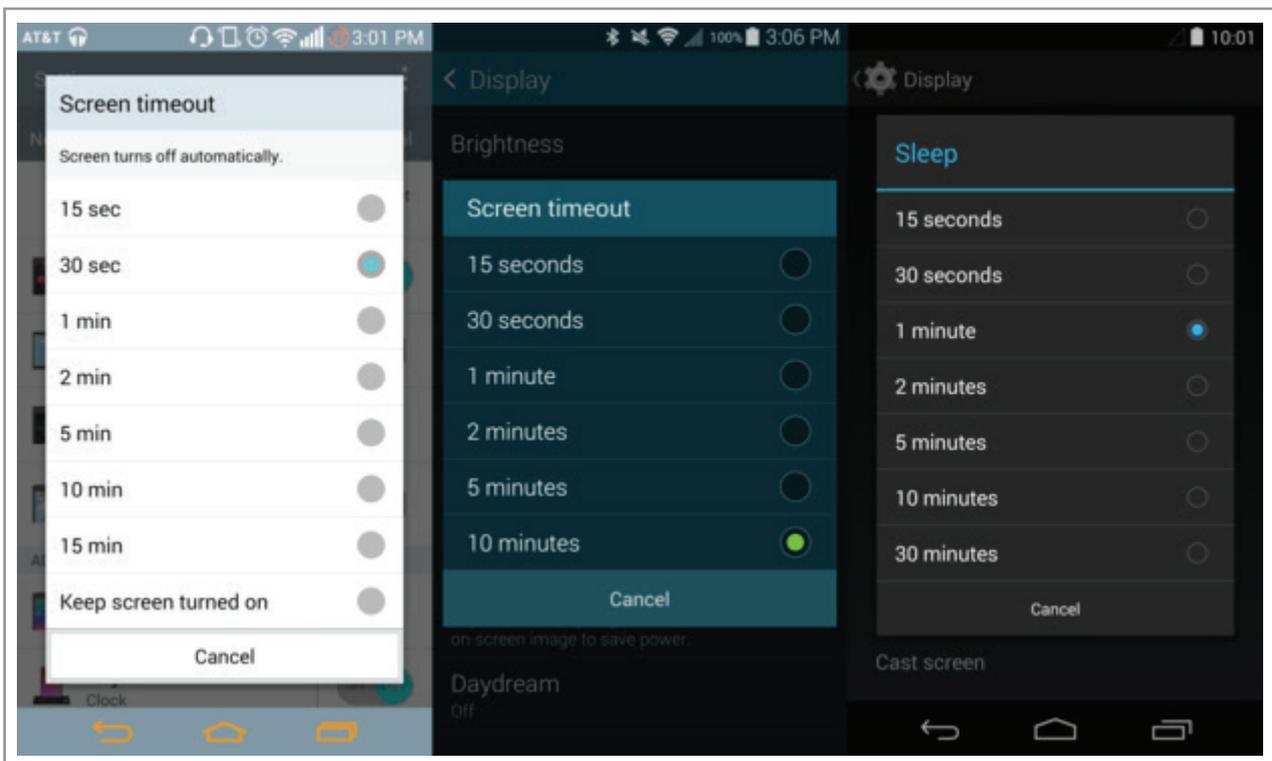
Step 1

Androidbackground Settings



Turn off the display sleep function of the Android mobile phone/pad by follow the similar procedures like below pictures described to prevent the mobile phone going to sleep mode during firmware programming.

Turn off your network career and sim service if available. If this fuction not available with your device please remove your sim card before start this process.



Step 2

Getting ready Firmware files

Unzip the zipped file "SE 3K5K.zip", there will be 2 files.

1) firmware upgrade instructions

2) m_Master-08-2.bin

This .bin file is the firmware file.

Copy the file "m_Master-08-2.bin" to the root directory of a USB flash memory (FAT formatted, capacity below 8Gb) or move it to your sd card or internal memory without changing the file name.

Step 3

Inverter background Settings

Remove the AC output from inverter, and only PV input is connected.

Step 4

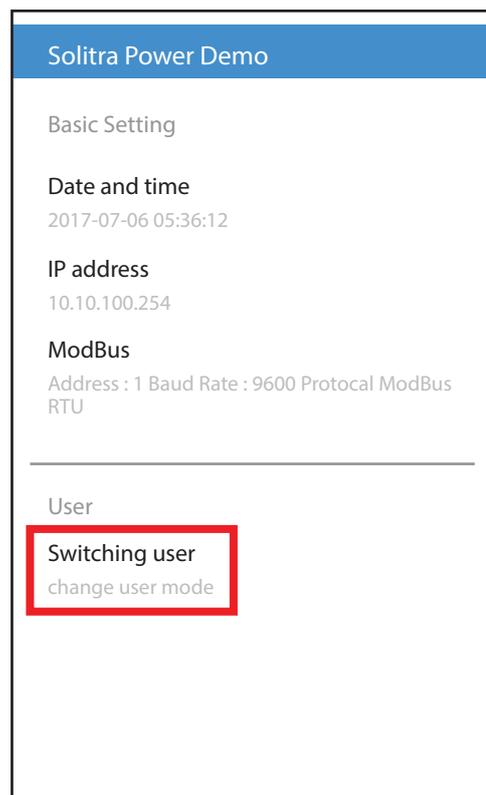
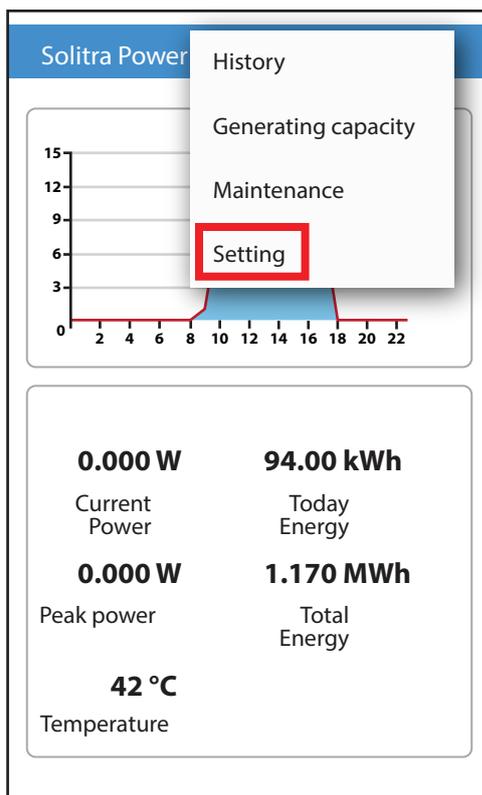
Upgrading via SP Viewer

Connecting SP Viewer APP to Inverter unit via Bluetooth.

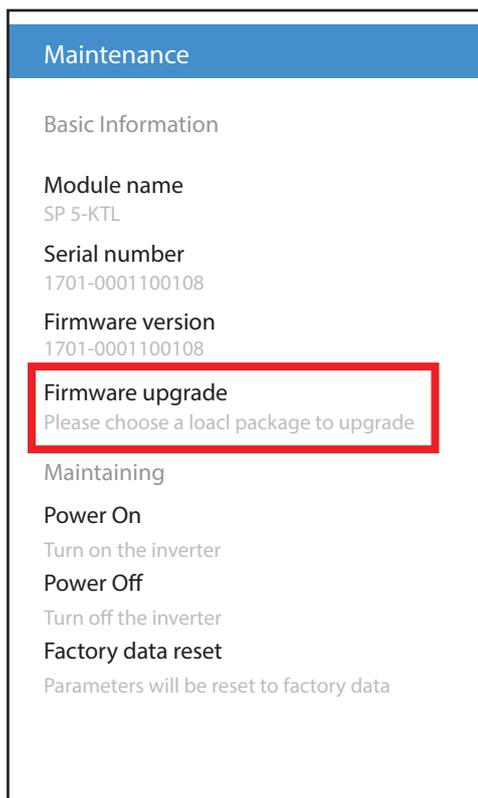
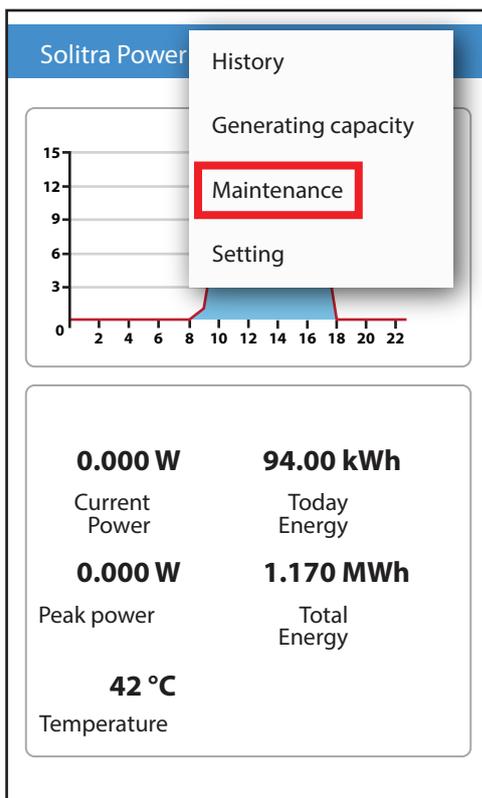
After connected, click the tool bar on right top, then going to

Setting --> Switching user

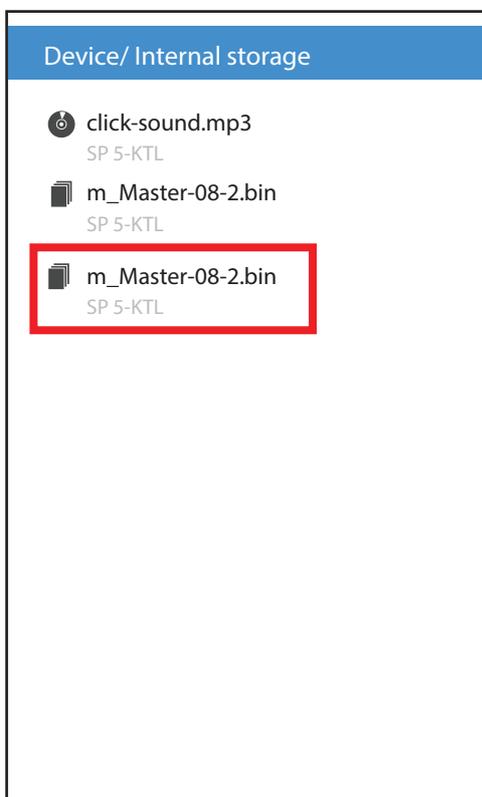
enter the password "admin" to access as an administrator



Return to main screen, click the tool bar on right top, then going to "maintenance" and click "firmware upgrade" item



Choose the firmware package "m_Master-08-2.bin" from the mobile phone/pad memory



Firmware flashing will be automatically started, it will be finished almost 10 minutes later

finally you will find a notice "The upgrade is successful" on the bottom of the APP window, then you can click "cancel upgrade" to exit firmware upgrade menu.

firmware upgrade

sent packet 96 content checksum 1time
 sent packet 96 length 1time
 sent packet 97 content checksum 1time
 sent packet 97 length 1time
 sent packet 98 content checksum 1time
 sent packet 98 length 1time
 sent packet 99 content checksum 1time
 sent packet 99 length 1time
 sent packet 100 content checksum 1time
 sent packet 100 length 1time
 sent packet 101 content checksum 1time
 sent packet 101 length 1time
 sent packet 102 content checksum 1time
 sent packet 102 length 1time
 sent packet 103 content checksum 1time
 sent packet 103 length 1time

The upgrade is successful !!

Cancel Update

After programming successfully, all LED lights will return to former status

Step 5

Factory data reset

Return to main screen, click the tool bar on right top, then going to "maintenance" and click "Factory data reset" item

Solitra Power

History
 Generating capacity
Maintenance
 Setting

0.000 W Current Power	94.00 kWh Today Energy
0.000 W Peak power	1.170 MWh Total Energy
42 °C Temperature	

Maintenance

Basic Information

Module name
SP 5-KTL

Serial number
1701-0001100108

Firmware version
1701-0001100108

Firmware upgrade
Please choose a load package to upgrade

Maintaining

Power On
Turn on the inverter

Power Off
Turn off the inverter

Factory data reset
Parameters will be reset to factory data

Remove PV input, wait almost 30 seconds, restore PV input first and then restore AC output, firmware upgrade finish.