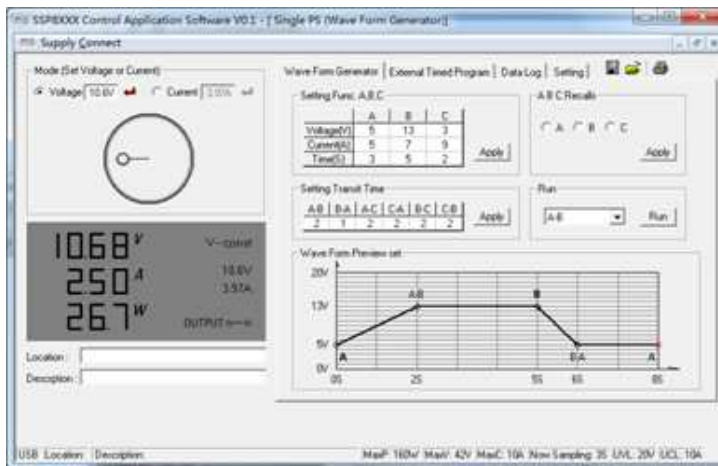
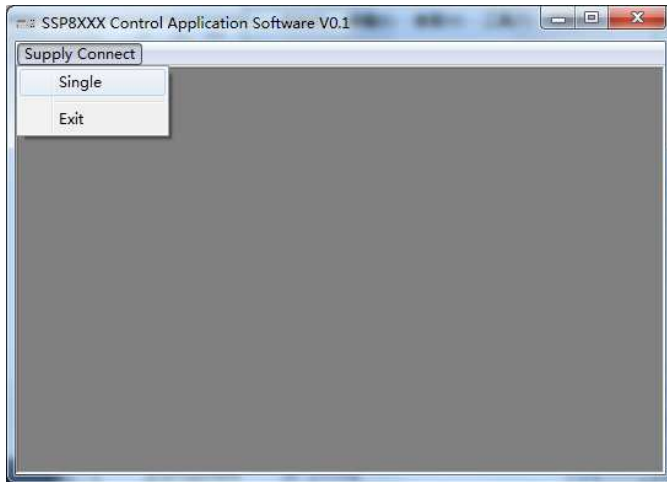


SSP-8160/SSP-8162/SSP-8320/SSP-8322

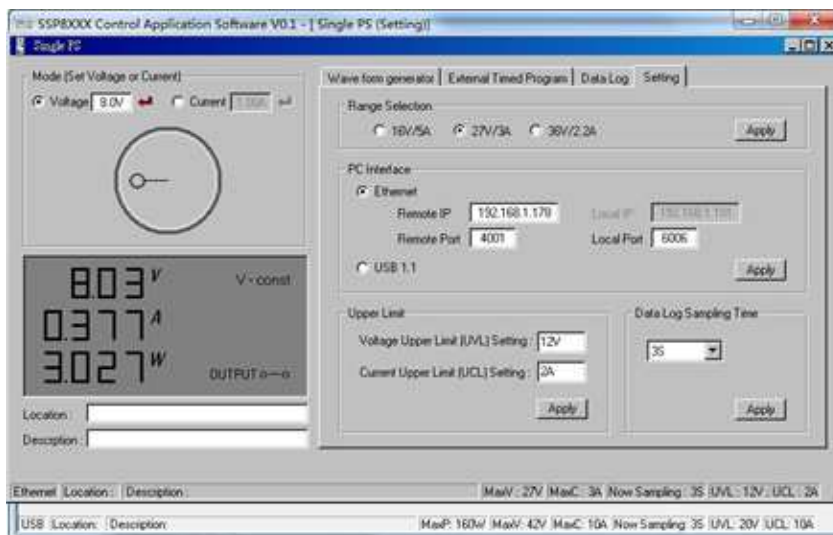
Laboratory Grade 160W/320W Constant Power Switched Mode Power Supply with USB Control

A. PC Interface and Remote Programming Software

1. Install the software by first insert the CD into CD Rom of your PC.
2. Locate and click the Setup file.
3. After completion of the installation of software then connect the power to the PC via the USB Port,
4. Connect the output terminal of the power supply to a suitable load.
5. Start the application software of SSP on your PC, the following window dialog will appear.

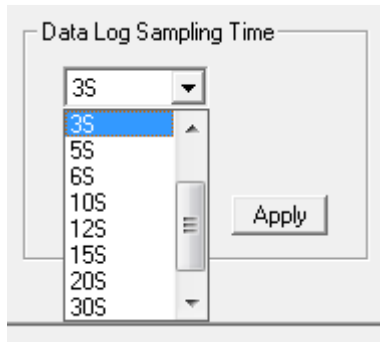


6. Press "Setting" tab.

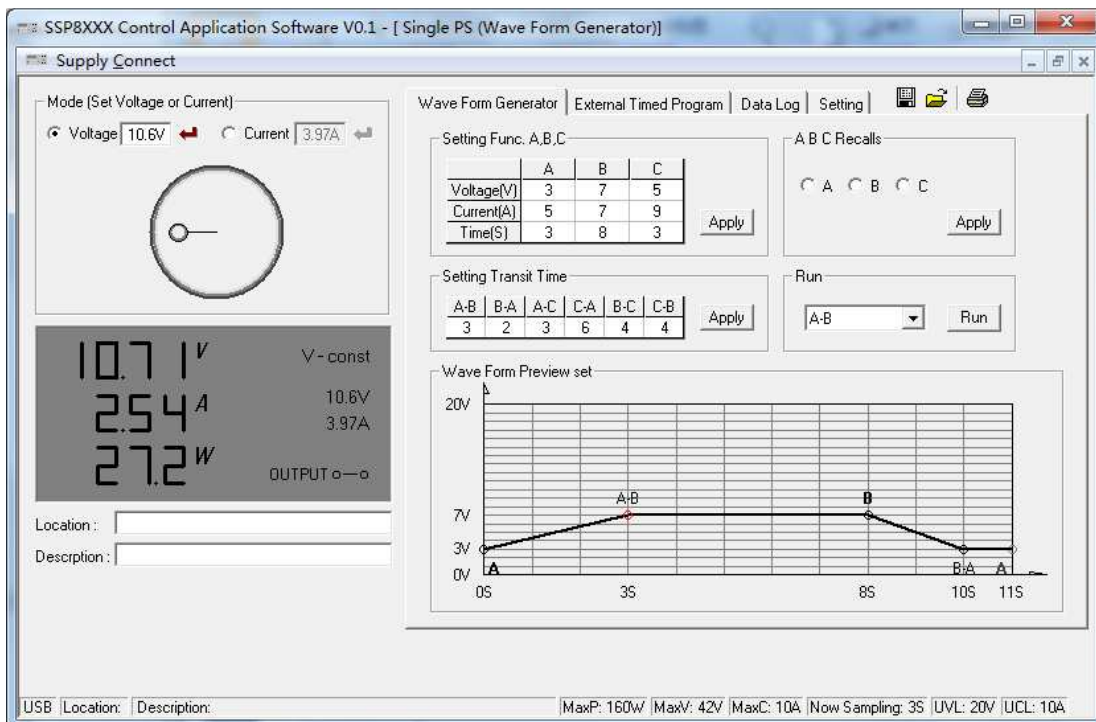
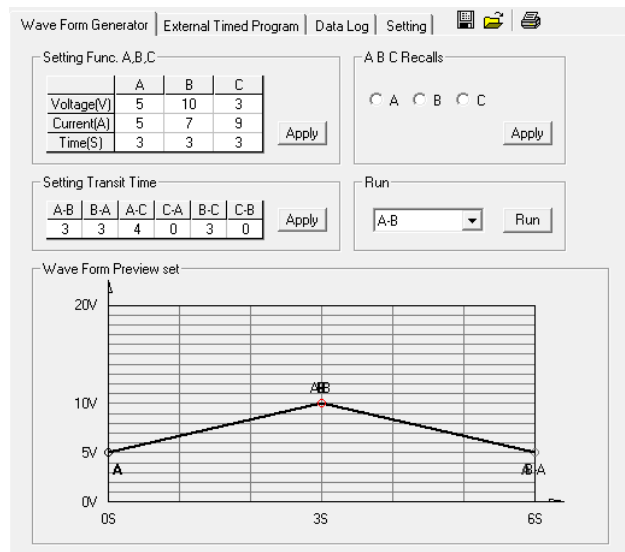
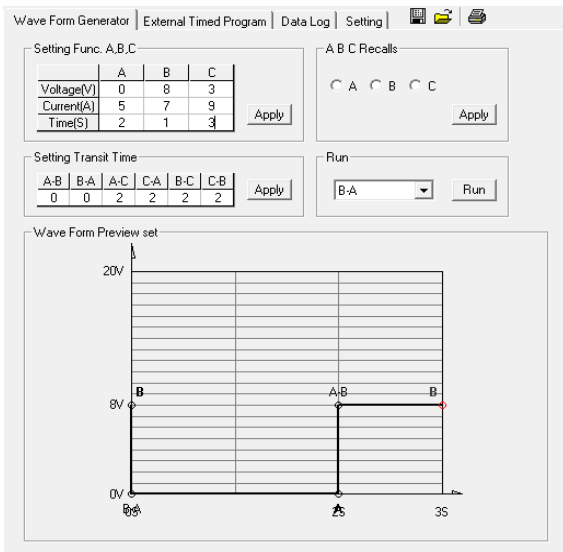


7. V I Range Selection to choose.

Data log Sampling Time at the drop down slot.



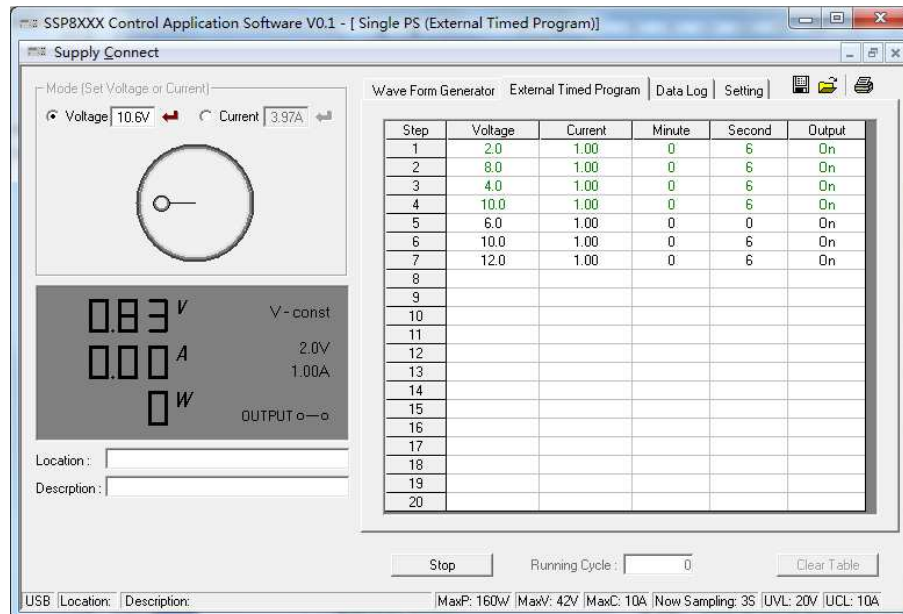
Example of preview wave form



B. External Timed Program

The unit can be externally programmed via a PC to run 20 steps each with a preset voltage, current limiting value and a preset time period of 1 second to 99 minutes. The timed program can be set to run from one cycle to infinite cycles.

External Timed Program Window



Clear Table Delete all data in the Display Table and ready for new data entry.

Run (Stop) To run and stop the Timed Program

Running Cycle:

Enter the number of desired running cycles here.

The range of the number is 0-999.

However the maximum cycles can be set to infinite when “0” cycle is entered.

External Timed Program allows user set the output either ON or OFF by selecting the boxes in the last column.

Output ON/OFF:

- i. Output ON Ticked: Output is **ON** for that step
- ii. Output ON Un-ticked: Output is **OFF**

for that step. Operation Procedure

1. Clear old data in the table, click [**Clear Table**].
2. Enter data in the table using the 'Up Down Left Right' keys of your PC keyboard for new locations.
3. Data exceed the rated voltage and current will not be accepted.
4. Voltages exceed set UVL (Upper Voltage Limit) will not be accepted.
5. If retrieved or entered data exceed preset Upper or Lower Limit setting of voltage / current / time periods, the data will becomes red in colour and cannot be accepted.
6. When the running time period of any of the step is set at zero minute and zero second, this step becomes the terminating step and the cycle will end at that step.
In the above example there are 4 steps each with 2 sec period, if step 3 is set to zero minute & second, the program only cycles around step1 and 2 and will not go to step 4.
7. Enter the number of desired running cycles.
8. click [**Run**] to run the External Time Program.
External Timed Program allows user set the output either ON or OFF by selecting the boxes in the last column.

C. MORE OPERATION EXAMPLES

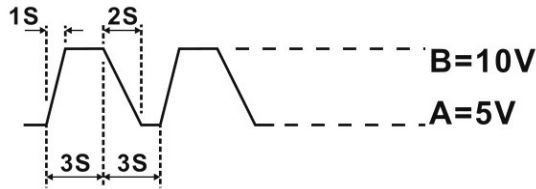
18.2.1 Examples of Func A/B/C and Wave Form Generator

Example 3 Irregular waveform

Set A= 5V, B= 10 V

Set Δt a-b = 1 second, Set Δt b-a = 2 seconds

Set Func. A = 3 seconds, Set Func.B = 3 seconds

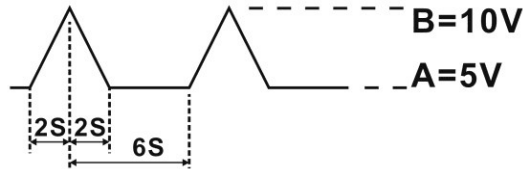


Example 4 Irregular waveform

Set A= 5V, B= 10 V

Set Δt a-b = 2 second, Set Δt b-a = 2 seconds

Set Func. A = 2 seconds, Set Func.B = 6 seconds

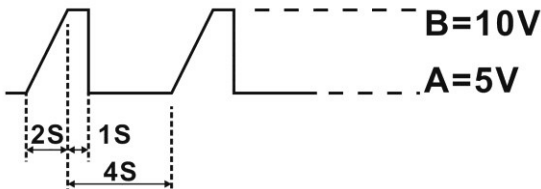


Example 5 Irregular waveform

Set A= 5V, B= 10 V

Set Δt a-b = 2 second, Set Δt b-a = 0 seconds

Set Func. A = 4 seconds, Set Func.B = 3 seconds



Example 6 Irregular waveform Set A

= 5V, B = 10 V

Set Δt a-b = 4 second, Set Δt b-a = 4 seconds

Set Func. A = 2 seconds, Set Func .B = 2 seconds

