# Power Supply PC Monitor Software Instruction

Please refer to our official website to acquire PC software and relative files,

including PC software, driver and software installation guide.

## **Install Driver**

1. Click to unzip "driver.zip",double-click USB-SERIAL\_Install\_Windows\_Vx\_x , decompress the serial port Chip Driver package and install the CH340 driver:

👼 Setup V1.5		-		×
Device Driver Ins	tall / Uninstall			
Select INF File :	CH341SER.INF			•
INSTALL	WCH.CN	1340		
UNINSTALL	<u> </u>	3.1.20	)09.06	
HELP				

2. Click Install, wait for the installation to complete, click OK, as shown below:



3. Go back to the computer and click **Device Manager** to check the COM number and driver, as shown below :



## **Software Operation**

Click to unzip "PC software.zip",double-click the right mouse button to open the "exe" file, save the other files.The initialization screen is displayed, as shown in the following figure.

Recover Coordinate Clear	<u>Volt</u> <u>Curr</u>	Mode: E	oisconnected	00:00:00
		Voltage	Current	Power
			<b>( )</b>	0
0 0 300 600	900 1.200 1.500	OVP •	OCP 😑	OTP 🧧
	List waveform edit	Memory	U I OVP	OCP
Switch		O M1: 5		
Voltage : 0 V	Start	O M2: 5		
	Stop	O M3: 5		
Current : 0	Edit	M4: 5		
	Ready Remaining: Os	O M5: 5		
	🔵 Ready Remaining: Os	M5: 5		
	Ready Remaining: 0s			

### How to connect

1. Click "**comm Setting**" from left-top Menu bar, the serial port parameter setting screen is displayed.

		×
Serial p	oort parameter setti	ng
Port	COM5	•
Baud	115200	•
DataBits	8	•
StopBits	1	•
Parity	None	•
	Open	

2. Set the serial port number, click the drop-down list, and select a COM number corresponding to the COM number of "USB-SERIAL CH340". Other parameters are the default values.

	3		$\times$						
Ľ	Serial port parameter setting								
	Port	COM5	•						
	Baud	115200	•						
	DataBits	8	•						
	StopBits	1	•						
	Parity	None	•						
		Open							

3. Click "Open" to complete the connection with the computer.

		$\times$
Serial p	oort parameter setting	
Port	COM5 -	
Baud	115200 -	
DataBits	8 👻	
StopBits	1 *	
Parity	None 🔻	
	Open	

## **Interface Guide**



## **Channel Status Area**

Parameter setting: Enter the required parameters in the parameter editing box and press Enter to complete the parameter setting.

Channel Switch	
	Voltage : 5.00 V
Set values ——	Current : 1.000 A
	Overvolt: 30.00 V
Limit ——	Overcurr: 5.000 A

## Voltage/Current waveform Area

When the channel is open, the Voltage/Current curve of the channel can be observed in the waveform area.



#### Coordinate

Click the "**Coordinate**" setting in the voltage/Current waveform display area to jump out of the setting interface and select the adaptive mode or manually enter the numerical mode.

#### Adaption mode

Click "I" next to electric pressure shaft adaptive and current adaptive, and the state is "I". Click "OK" to realize the adaptive mode.

				×
V self-adaptic	on 🗹	l self-ad	daptation	☑
Voltage axis Range: 0.0			35.0	
Current axis Range: 0.0		•	0.5	
				ОК

#### Manually enter a numerical mode

Enter the desired coordinates and click" OK" to confirm the input.

]					×
V self-ac	laption		l self-	adaptation	
Voltage a	xis				
Range:	0.0		-	35.0	
Current a	cis				
Range:	0.0		-	0.5	
					ОК
	Voltage a: Range: Current av	Current axis	Voltage axis Range: 0.0 Current axis	Voltage axis Range: 0.0 Current axis	Voltage axis Range: 0.0 35.0 Current axis

## List waveform editing Area

- 1. Click in the upper left corner or directly click "**edit**" in the List waveform editing area. Input the required voltage, current, time, and Y/N after the serial number in the table (unchangeable) (when set to Y, the data is normally output; when set to N, the data is not output). The number of data groups can be set to 1-100;
- 2. Parameter setting: Enter the required parameters in the parameter editing box and press "**Enter**" to complete the parameter setting.
- 3. Set the start group number, end group number, and period for data output in sequence. Click "**Start**" to output data in sequence.
- 4. Click "**Stop**" to stop data output.

List wa	aveform edit			x
Start	1	End 100		
Cycle	1			
ID	Voltage(V)	Current(A)	Delay(S)	Y/N
1	5	1	2	Y
2	5	1	2	γ
3	5	1	2	N
4	5	1	2	γ
5	5	1	2	γ
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				v
Start	Stop Ready	Remaining: 0s		

## **Quick Set Area**

We can set 8 groups of common values (M1-M8) by ourselves, which is convenient for subsequent direct calls.

#### Set the parameter

Let's take setting the M1 parameter as an example:

Click after M1 to make it the selected state . In U/I/OVP/OCP, input the required voltage/current/output overvoltage/output overcurrent values, and so on, up to 8 groups of values can be input.

М	emory	ι	J		I	0	VP		ОСР	Call
•	M1:	5		1	А	30		5	А	
•	M2:	5		1	А	30		5	А	
•	M3:	5		1	А	30		5	А	
•	M4:	5			А	30		5	А	
•	M5:	5		1	А	30		5	А	
•	M6:	5			А	30		5	А	
•	M7:	5		1	A	30		5	А	
•	M8:	5	v	1	A	30	v	5	А	

#### Call the numerical

Let's take setting the M1 parameter as an example:

Click after M1 to make it the selected state , Click the "**Call**" in the upper right corner of the quick setting area to quickly deliver the four parameters U/I/OVP/OCP to the power supply.

М	emory	l	J	I		0	VP		ОСР	Call
•	M1:	5		1	A	30		5	A	
•	M2:	5		1	A	30		5	A	
•	M3:	5		1.0	A	30		5	Α	
•	M4:	5		1	A	30		5	Α	
•	M5:	5		1	A	30		5	Α	
•	M6:	5		1	A	30		5	А	
•	M7:	5		1	A	30		5	А	
•	M8:	5		1	А	30		5	А	