# 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.

Power Supply PC Monitor										
Comm Setting Other										
Recover Coordinate Clear		Volt Curr		Mode	: Disc	onne	ected		00:00	0:00
40				Voltage			Current		P	ower
25									-	
		-5	(	0	,		0	,	(	0
					•		-	•	~	
0 300 60	o 900	1,200 1,500	(	ovp 🧲		0	CP 🤤		OT	
Switch	Li	ist waveform edit	м	emory		I		OVP	OCP	Call
Voltage 0 V		Start					A 30			
Current: 0 A		Stop	•				A 30			
Overvolt 0 V	•	Ready Remaining: 0s	•				A 30			
Overcurr: 0 A							A 30 A 30			
			•				A 30			
والمتحد الألالية			•				A 30			
Type HardWare	OS	Language English 🗸 🗸								

### How to connect

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

		×							
Serial port parameter setting									
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.

	1		$\times$						
L	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.

			$\times$
V self-adaption	V	I self-adaptation 🗹	
Voltage axis Range: 0.0		- 35.0	
Current axis Range: 0.0		- 0.5	
		0	

#### 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
	V self-ac Voltage a: Range: Current ax Range:	V self-adaption Voltage axis Range: 0.0 Current axis Range: 0.0	V self-adaption	V self-adaption I self- Voltage axis Range: 0.0 Current axis Range: 0.0	V self-adaption I self-adaptation Voltage axis Range: 0.0 35.0 Current axis Range: 0.0 0.5

## 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	veform edit			x
Start		End 100		
Cycle	1			
ID	Voltage(V)	Current(A)	Delay(S)	Y/N
1	5	1	2	Y î
2	5	1	2	γ
3	5	1	2	N
4	5	1	2	Υ
5	5	1	2	Υ
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				~
Start	Stop Ready	Remaining: Os		

## **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.

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

M	emory	ι	J	I		0	VP		OCP	Call
•	M1:	5		1	A	30		5	А	
•	M2:	5		1	A	30		5	А	
•	M3:	5		1.0	A	30		5	А	
•	M4:	5		1	A	30		5	А	
•	M5:	5		1	A	30		5	А	
•	M6:	5		1	A	30		5	А	
•	M7:	5		1	A	30		5	А	
•	M8:	5		1	А	30		5	A	