Quick Start Instruction

For ZIVE SP1, ZIVE MP1, & ZIVE PP1e

ZIVE SP1 single channel

ZIVE MP1 multichannel

ZIVE PP1e portable

WonATech

① Insert installation CD and click SmartManager button to install Smart Manager program.

② The Smart Manager installation program will run.

- Follow the prompts through the rest of the installation process.
- If Microsoft visual C++2008 was not installed on your PC, it will be installed. Or if VC++2008 was installed on your PC already, click cancel button.

③ Click Labview RTE2013 button, which is needed for data analysis packages.

④ Install data analysis software packages.

- Click ZMAN button to install EIS data analysis software package
- Click PathFinder button to install EIS data management tool
- Click IVMAN button to install DC data analysis software package
- Click SIM4U button to install cyclic voltammetry digital simulation software package

⑤ Plug in the ZIVE instrument's power cord.

- Plug in the USB cable.
- Plug in the cell cable.
- Switch on the ZIVE instrument.

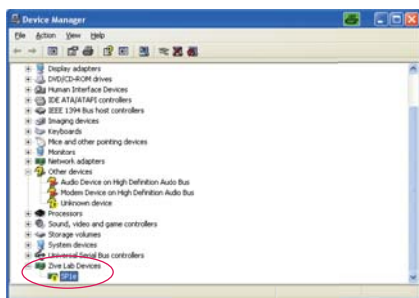*Plug in the potentiostat's power cord.*   *Plug in the USB cable.*
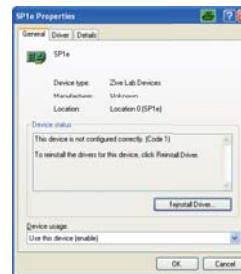
Plug in the cell cable.   *Switch on the ZIVE instrument.*

⑥ Microsoft Windows will detect ZIVE instrument.
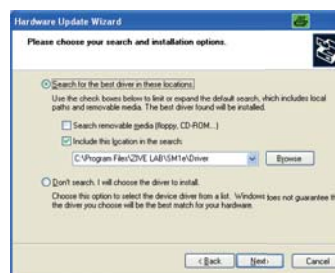

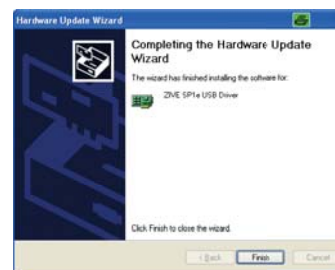*Run Device Manager on control panel.*

Double click on Zive Lab Devices SP1e

Click "Reinstall Driver" button.

Select "Install from a list or specific location (Advanced)".

Click "Browse" button.
Select "C:\Program Files\Zive Lab\SM1e\Driver " folder and click "Next" button.

Hardware update is completed.

⑦ Run sm.exe in c:\program files\zivelab\sm folder.

Note:
Software manual and hardware manual are located at c:\program files\zivelab\sm\manual folder.

ZIVE SM   *Smart Manager*

○ Standard software includes;

Basic techniques with standard functions
1. Potentiostatic	2. Galvanostatic
3. OCP measurement	4. Potential sweep
5. Current sweep	6. Cyclic voltammetry

○ Optional software package includes;

1. EIS software package(EISe)
   1) Potentiostatic EIS
   2) Galvanostatic EIS
   3) Pseudo Galvanostatic EIS
   4) OCP EIS
   5) Potentiodynamic PEIS
   6) Galvanodynamic GEIS
   7) Potentiostatic HFR
   8) Galvanostatic HFR
   9) Potentiodynamic HFR
   10) Galvanodynamic HFR
   11) Multisine Potentiostatic EIS
   12) Multisine Galvanostatic EIS

2. Battery/Energy software package(BATe)
   1) CC/CV charging discharging test
   2) CC/CC charging discharging test
   3) Discharging test
   4) EVS test
   5) Variable scan rate CV
   6) Pstat IV curve
   7) Gstat IV curve
   8) SteadyState CV

3) Corrosion software package(CORe)
   1) Tafel(Tafel experiment)
   2) Rp(Polarization resistance)
   3) RpEc trend
   4) PDYN(Potentiodynamic)
   5) CYPOL(Cyclic polarization resistance)
   6) GDYN(Galvanodynamic)
   7) Reactivatioin potential
   8) Ecorr vs. time
   9) Galvanic corrosion
   10) Potentiostatic ECN
   11) Glavanostatic ECN
   12) ZRA mode ECN

4) Electrochemical analysis software package(EASe)
   1) Step techniques
      - CA(Chronoamperometry)
      - CC(Chronocoulometry)
      - CP(Chronopotentiometry)
   2) Sweep techniques
      - LSV(Linear sweep voltammetry)
      - SDV(Sampled DC voltammetry)
   3) Pulsed techniques
      - DVP(Differential pulse voltammetry)
      - SWV(Square wave voltammetry)
      - DPA(Differential pulse amperometry)
      - NPV(Normal pulsed voltammetry)
      - RNPV(Reverse normal pulse voltammetry)
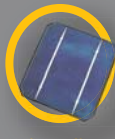   - DNPV(Differential normal pulse voltammetry)

Find your solution with us!

Battery

Super Capacitor

Solar Cell

Fuel Cell

Corrosion

Sensor

**General
Electrochemistry**

Designed by

ZIVE LAB

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