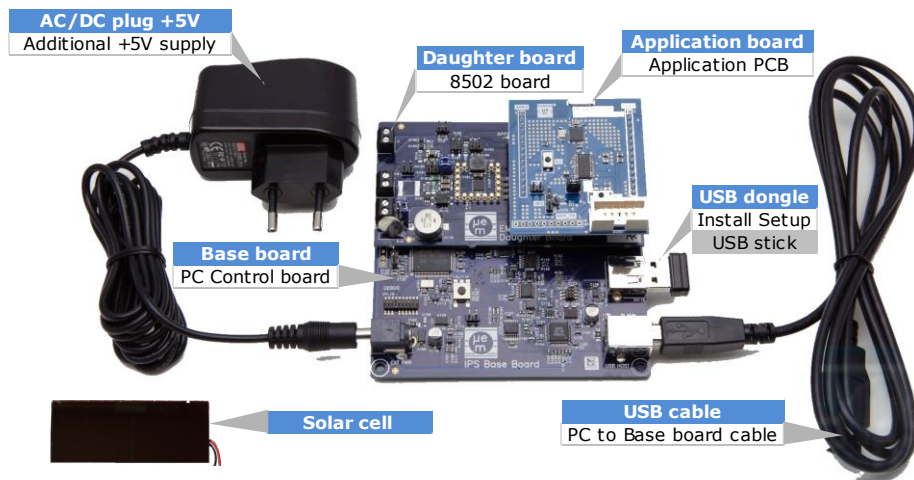




EMDVK8502 QUICK START GUIDE



Your EMDVK8502 Development Kit contains:

- | **EMDVK8500** Base Board – 8502 Daughter Board – Application Board
- | **USB Cable**
- | **Power-supply**
- | **USB Dongle** containing EM8500 DevExplorer software installation setup
- | **Solar cell**

Full documentation for **EMDVK8500** and **DevExplorer** is available on EM website (EMDVK8500 user guide)

http://www.emmicroelectronic.com/emdownloads/EM8500/doc/emdvk8500_user_guide.pdf

This quick start document guides you through the set-up of your development hardware kit, software and demo.

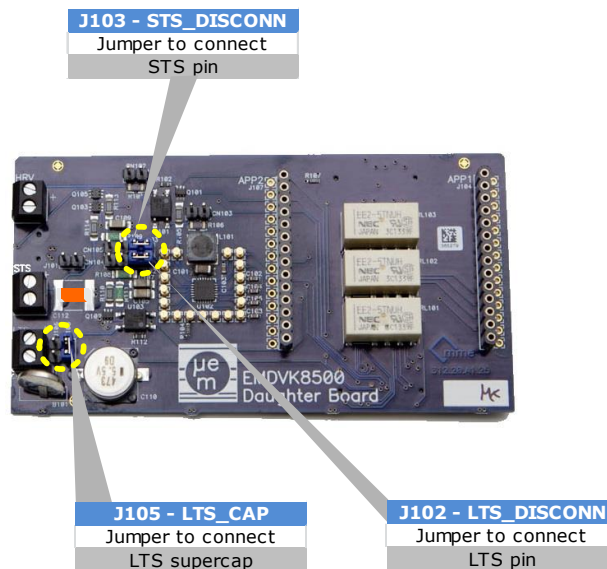
1 INSTALL THE EM8500 DEVEXPLORER SOFTWARE TOOL FROM THE USB DONGLE

- | **Connect the USB memory stick** on the Base board (USB MEM connector)
- | **Connect the Base board** (USB Host) to the PC using the USB cable.
- | **Skip and close** the installation driver window that may pop-up.
- | **Open** an explorer window.
- | **Click** on the relevant **USB stick drive**.(EM8500 DevKit)
- | **Double click** on the **EM8500 DevExplorer setup executable file**.
This setup will guide you through the installation process.

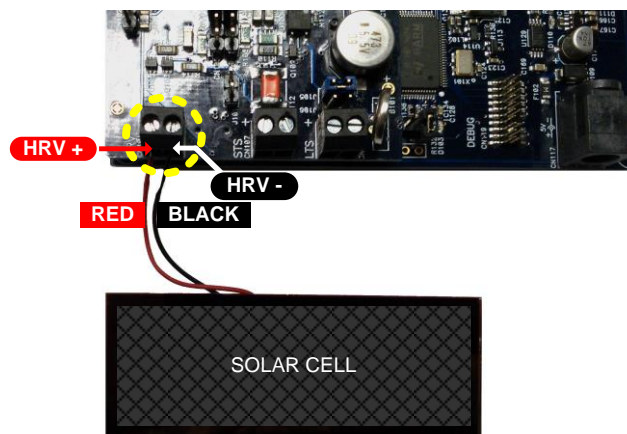
Any additional questions? Please refer to the EMDVK8500 User Guide

2 CHECK THE DAUGHTER BOARD CONFIGURATION

- | **Place the jumpers** as shown below

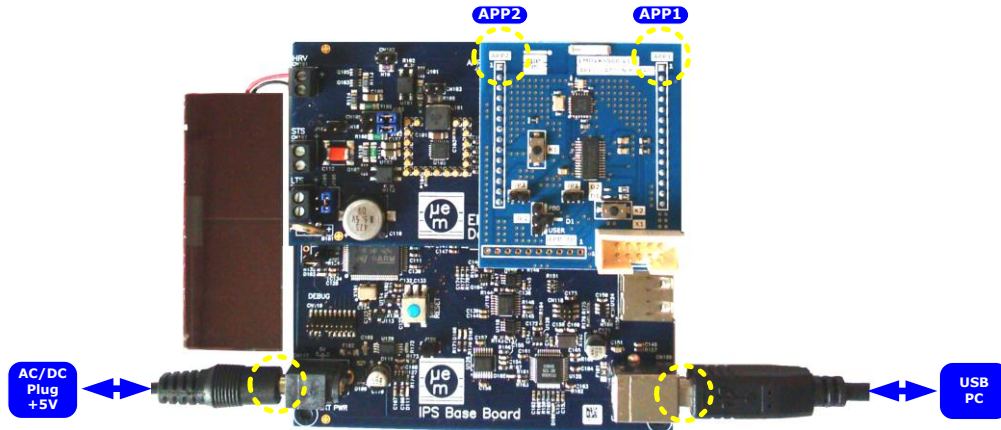


3 CONNECT THE SOLAR CELL TO THE HRV DAUGHTER BOARD SCREW TERMINAL



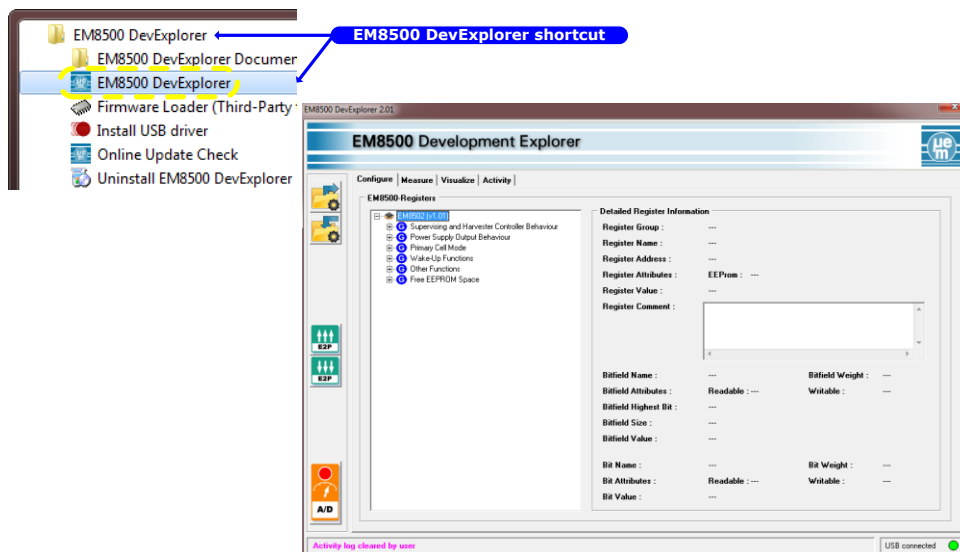
4 BUILD AND CONNECT THE SYSTEM TO THE PC

- | Plug the three boards together
- | Connect the USB cable
- | Connect the power-supply.



5 LAUNCH THE DEVEXPLORER SOFTWARE

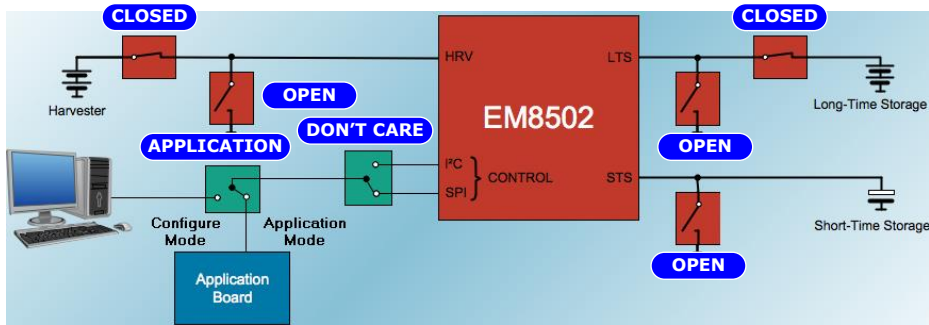
- | Use the Start Menu shortcut EM8500 DevExplorer to launch the software.



6 RUN THE DEMO

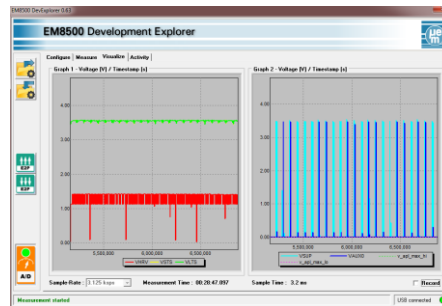
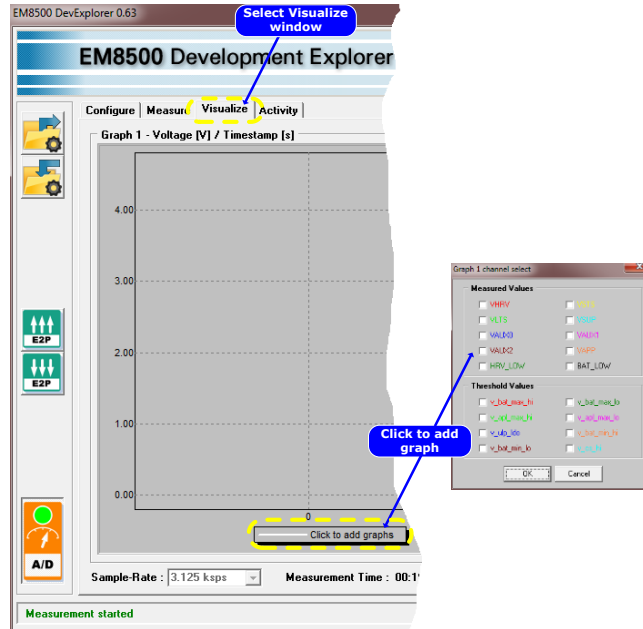
A default application demo is available on EMDVK8502.

- | Select the **Measure window**
- | Check that all the **switches and selectors** are set as shown below

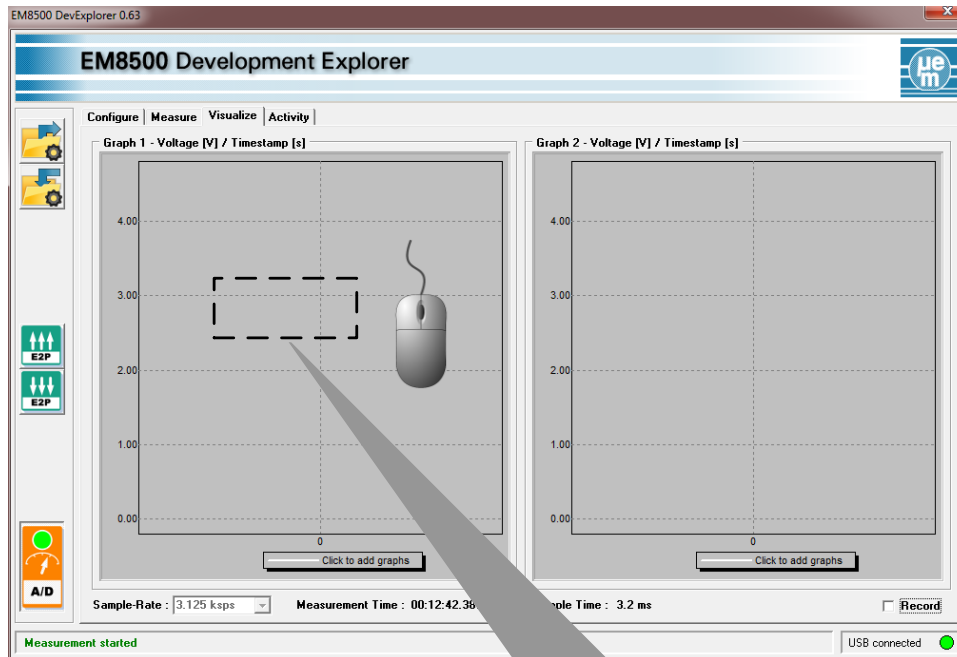


- | Click on the **A/D measurement button** to observe measured voltages.

- | **Select the Visualize window**
- | **Click on the Graph 1 and/or Graph 2 “Click to add graphs” buttons to add the signals or thresholds that you want to observe in your graphical window**



- The EM8500 DevExplorer Graph viewer tool allows you to navigate within the waveforms



Mouse viewer tool

- Zoom-In : Mark top-left to bottom right
- Zoom-Out : Mark bottom-right to top left
- Move: Hold down right mouse button
- Select : Click legend to select channels

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