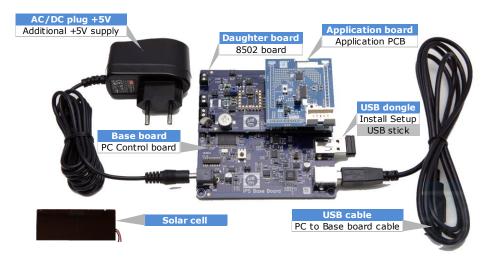


EMDVK8502 QUICK START GUIDE



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)

https://www.emmicroelectronic.com/sites/default/files/products/files/user_guide_emdvk8500.pdf

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

1



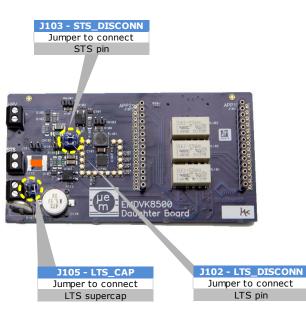
1 INSTALL THE EM8500 DEVEXPLORER SOFTWARE TOOL FROM THE USB DONGLE

- 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.
- I 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.

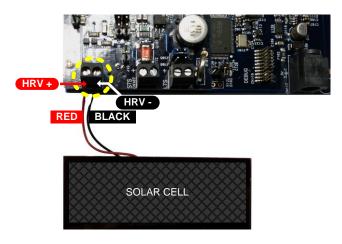
Any additional questions? Please refer to the EMDVK8500 User Guide

2 CHECK THE DAUGHTER BOARD CONFIGURATION

Place the jumpers as shown below



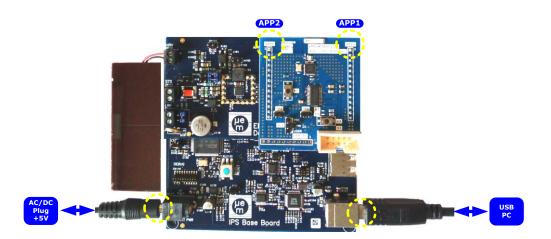
3 CONNECT THE SOLAR CELL TO THE HRV DAUGHTER BOARD SCREW TERMINAL





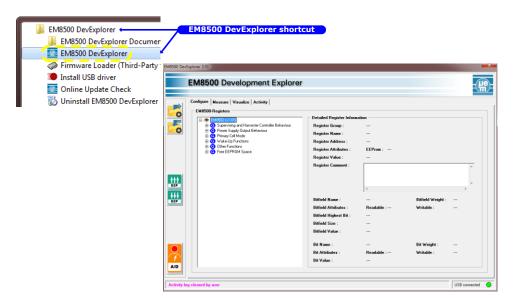
4 BUILD AND CONNECT THE SYSTEM TO THE PC

- 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.



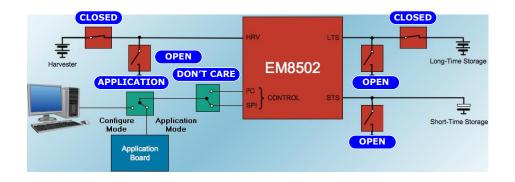
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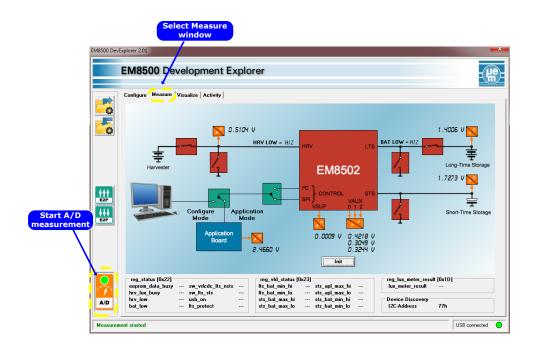
6 RUN THE DEMO

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.

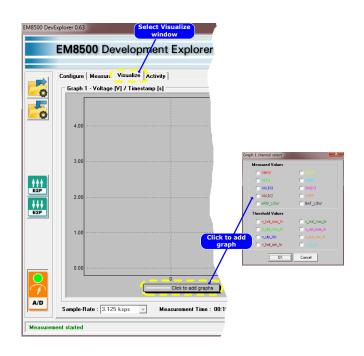


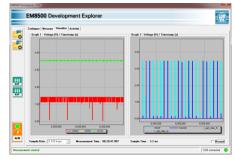
420005-A01, 3.0



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

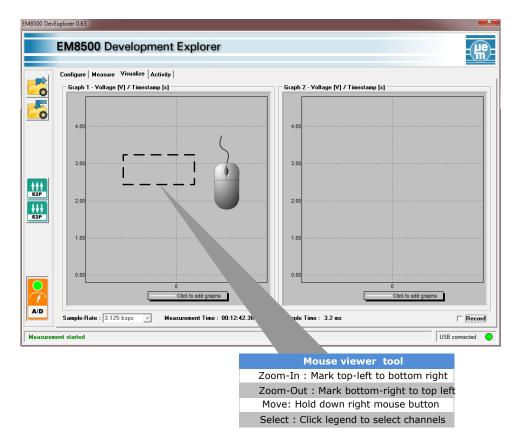




5



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



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