

## CC Debugger Quick Start Guide

Contents in the box:

- 1 CC Debugger
- 1 Mini USB cable
- 1 10-pin flat cable with 2x5 2.54mm connector
- 1 10-pin flat cable with 2x5 1.27mm connector
- 1 Converter board 2.54mm-1.27mm connector
- Documentation



### STEP 1 – Install Tools and Drivers

To get the required drivers for the tool, it is necessary to download and install one (or both) of the tools listed below

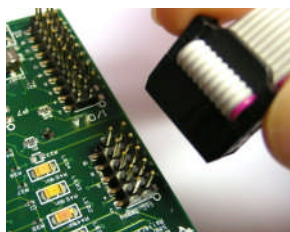
SmartRF® Studio

[www.ti.com/smarterstudio](http://www.ti.com/smarterstudio)

SmartRF® Flash Programmer

[www.ti.com/lit/zip/swrc044](http://www.ti.com/lit/zip/swrc044)

### STEP 2 – Connect the Debugger to the Target



Connect the CC Debugger to the target. The pin out of the target connector is shown in the figure to the right.

GND	1	2	Vdd from target (required)
DC (Debug Clock)	3	4	DD (Debug Data)
CSn (SPI Chip Select)	5	6	SCLK (SPI Clock)
RESETn	7	8	MOSI (SPI Data Out)
3.3V from debugger (optional)	9	10	MISO (SPI Data In)



The easiest way to connect is to use the standard 10-pin flat-cable with the 2x5 2.54 mm header with a matching socket on the target board.



The debugger includes a 10-pin flat-cable with a 2x5 1.27 mm header for smaller sockets. Use the adapter board to connect this cable to the debugger.

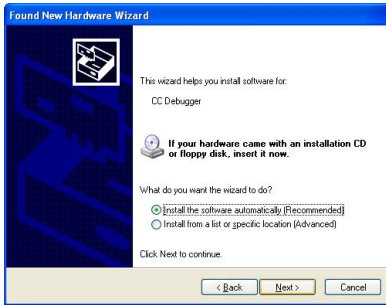
Please refer to the User's Guide for details.

### STEP 3 – Connect USB Cable



Connect the USB cable to the debugger and then to the PC.

## STEP 4 – Associate USB Device with USB Driver

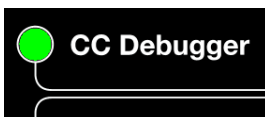


The PC will detect a new USB device when the debugger is connected to the PC. Windows will associate the device with a USB driver installed on the PC. When prompted, the driver installation/association should be handled automatically. There is no need to manually specify the location of the driver or associated INF file as long as step 1 is completed.

This will only be required the first time this unit is connected to the PC.

The User's Guide contains more information about the driver installation process

## STEP 5 – Check Status LED



The LED on the CC Debugger will be turned on. If it is GREEN, the debugger has successfully detected the chip on the target.

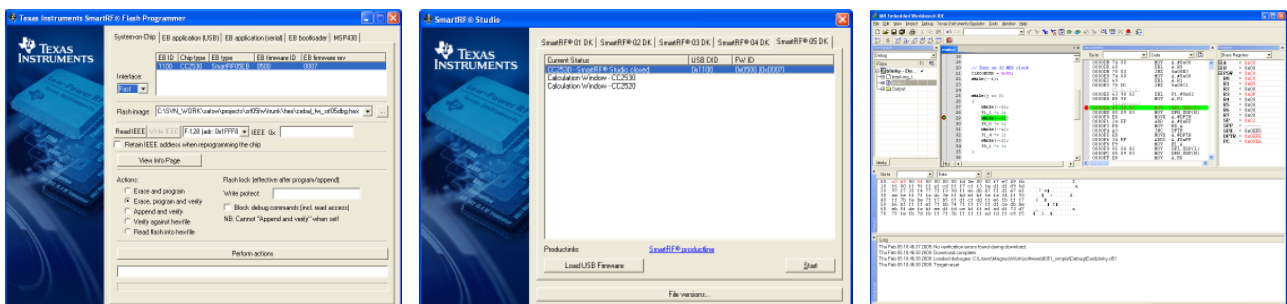


If it is RED, chip detection failed. Please make sure all the required wires are connected correctly and that the target board has power.

Press the RESET button to retry the chip detection. Refer to the User's Guide for details.

## STEP 6 – Start Using the Tool

Start using the tool. It can be used to flash the device using SmartRF Flash Programmer, control the device using SmartRF Studio or for debugging using IAR Embedded Workbench.



For additional information, please refer to the CC Debugger User's Guide (SWRU197).

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### Applications

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