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
- This document

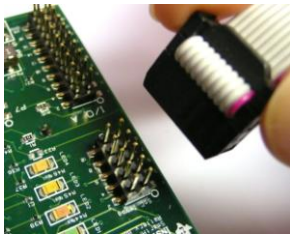
STEP 1 – Install Tools and Drivers

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

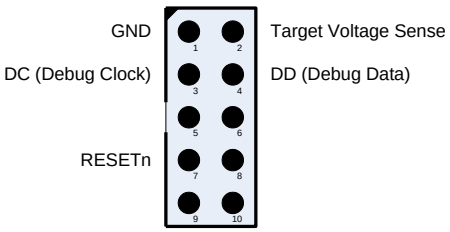
SmartRF™ Studio www.ti.com/tool/smartrftm-studio
SmartRF™ Flash Programmer www.ti.com/tool/flash-programmer

The driver will be stored in
C:\Program Files\Texas Instruments\SmartRF Tools\Drivers\cebal

STEP 2 – Connect the Debugger to the Target



Connect the CC Debugger to the target. The minimum connection required for SoC debugging and programming is shown in the figure to the right.



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.

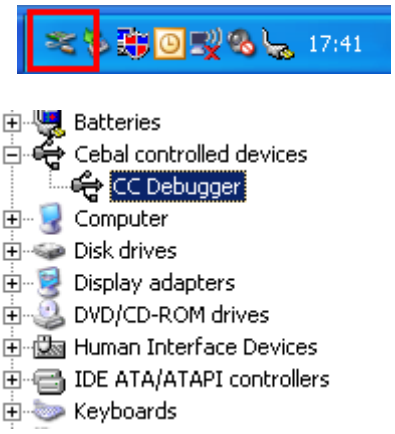
The debugger includes a 10-pin flat-cable with a 2x5 1.27 mm header for smaller sockets. Use the adapter board to connect this cable to the debugger.

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. The driver installation and association should be handled automatically. If requested, the driver is located in C:\Program Files\Texas Instruments\SmartRF Tools\Drivers\cebal

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

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

STEP 5 – Check Status LED

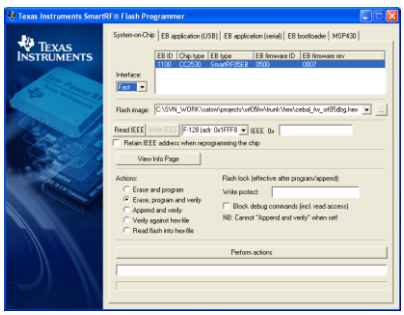
The LED on the CC Debugger will be turned on.
If it is GREEN, the debugger has successfully detected the chip on the target.

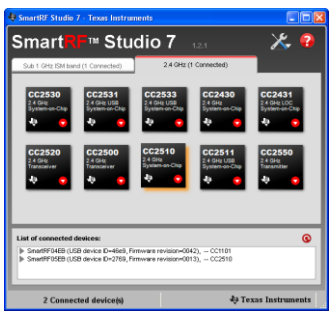
If it is RED, chip detection failed. Please make sure the debugger runs the latest and greatest firmware, that all the required wires are connected correctly and that the target board has power.

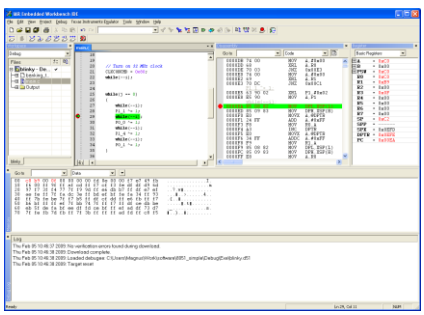
Press the RESET button to retry the chip detection.

STEP 6 – Start Using the Tool

The CC Debugger can be used to flash a TI Low Power RF System on Chip 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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265