

# TI C2000 Toolbox TI C2000 Setup

This document describes *TI C2000 Setup* component from TI C2000 Toolbox library.

## Short description

TI C2000 Setup component is needed in every model that relies on TI C2000 Toolbox. It enables the user to create a CCS project, build and flash the control code and configure the system settings.



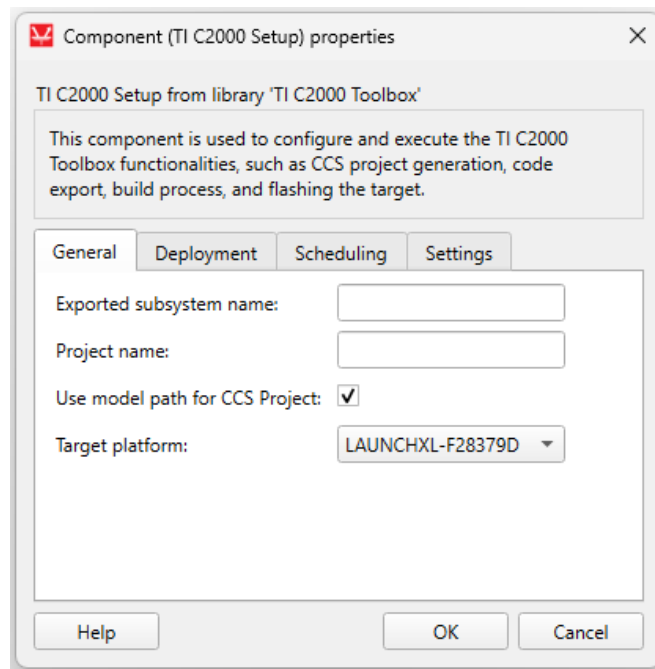
**Figure 1. TI C2000 Setup component icon**

## Detailed overview

Component icon and component dialog are shown in Figure 1, and **Error! Reference source not found.**, respectively.

Component properties:

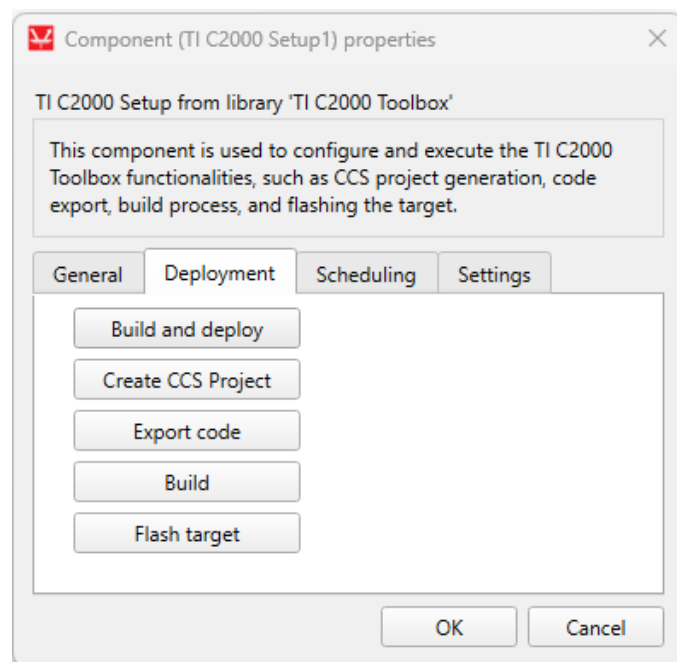
- **Tab General**
  - Exported subsystem name – name of the subsystem which should be exported.
  - Project name – name of the CCS project that will be created.
  - Use model path for CCS Project – If enabled, CCS project will be created in the same folder in which the model is. If disabled, Project path property will be visible.
  - Project path – path to the folder in which CCS project will be created.
  - Target platform – type of C2000 device that is used, several LaunchPad and ControlCard devices are available (the list of supported device can be found [here](#)).



**Figure 2. TI C2000 Setup – General tab.**

- **Tab Deployment**

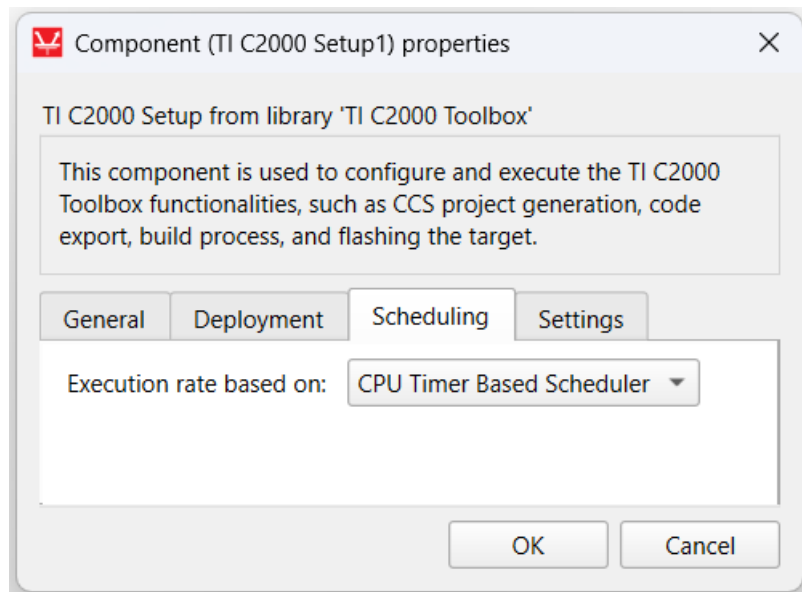
- Build & Deploy – CCS project is created, code is exported and built, and the controller is flashed.
- Create CCS Project – Blank CCS project is created. It includes just main.c, linker file, makefiles and several resource files.
- Export code – Exports the code to the CCS project directory.
- Build – Builds the exported code.
- Flash target – Flashes the target if the code is built. Raises error if it is not.



**Figure 3. TI C2000 Setup – Deployment tab.**

- Tab **Scheduling**

- Execution rate based on – interrupt source that will trigger execution of the tasks. More information about task scheduling can be found [here](#).

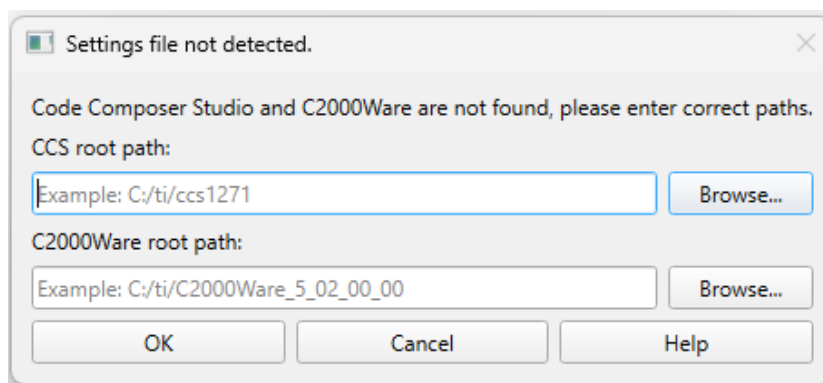


**Figure 4. TI C2000 Setup – Scheduling tab.**

- Tab **Settings** – see [First-time setup](#) for more details

- CCS root path – path to the CCS installation directory
- C2000Ware root path – path to the C2000Ware installation directory
- Update paths – update (write new) paths to CCS and C2000Ware.

If these paths are invalid or not written yet, or the *Update paths* button is clicked, a different window will appear, suggesting an option to browse through PC to provide the paths (Figure 5). After providing the correct paths and clicking *OK*, standard window will (re)appear.



**Figure 5. TI C2000 Setup – dialog when settings are not found**