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About this FAQ

Regularly, our Technical Support team are faced with questions (from beginners to experienced users) on how to properly run an emulation system. We thought that an FAQ about our products - and the emulation system in particular - might be useful. So read this FAQ and you might discover some useful tips on how to get your application running, how to use the interactive software, etc.

This FAQ file is based upon a constant dialog with the user and is thus regularly updated.

F R E Q U E N T L Y A S K E D Q U E S T I O N S

Product	USCALE-XC800
Release Date	2007-05-09
Version	HiTOP V5.20 (Build No. 05.20.0400)

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Questions and Answers

Q1 **How can I download a HEX file to the USCALE stick with HiTOP?**

A1 Proceed as follows:

- Connect the USCALE stick to a USB port.
- Start HiTOP.
- Execute the **System > Connect** command.
- Select the derivative (XC866 or XC886 or XC888).
- Execute the **Debug > Download** command and click on **Cancel**.
- In the **Project settings** dialog, click on **OK**.
- In the **Download Application** dialog, click on the **Hex** button.
- Select the file to load.

The HEX file will be loaded into the chip's flash memory. You may start the application now:

- Click on the toolbar's **TR** (Target Reset) button.
- Press the **F5** function key or execute the **Debug > Go** command.

Q2 **Is there an example on how to use the SDCC compiler with HiTOP?**

A2 Proceed as follows:

- Install HiTOP and the SDCC compiler.
- Connect the USCALE stick to a USB port and start HiTOP.
- Select **Open an existing project**, and in HiTOP's installation folder, browse to:
  ..\HiTOP52-XC800-USCALE\Examples\USCALE-XC866\Clock\Sdcc

  and load the following file:
  XC866ClockSdcc.htp
- Confirm the **Download Applications** dialog by clicking on **OK**.
- Click on the toolbar's (Target) **Reset** button:



- Execute the **Debug > Go until** command and in the dialog box enter **main**.
- In the **Source window's context menu**, execute **Switch to Edit Mode**.
- In the **Source window**, edit "MemIdx = 0u" into "MemIdx = 1u".
- Click on the IDE toolbar's **Rebuild** button::



  and wait approx. 10 seconds.
- Execute the **Debug > Go until** command and enter **main**.

Now the application has been edited inside HiTOP, recompiled and reloaded.

Q3 **How can I reload the original UCAN-Monitor application?**

A3 If you loaded an application into the XC886 of the XC800 USCALE and want to reload the original UCAN-Monitor application, then either:

- Open the following project file:
  UCAN-Monitor.htp
  (path: ..\HiTOP52-XC800-USCALE\Examples\USCALE-XC886\UCAN-Monitor-XC886\)

  or

- Load the hex file:
  can_example.hex
  (path: ..\HiTOP52-XC800-USCALE\Examples\USCALE-XC886\UCAN-Monitor-XC886\)