Scope

This document describes how to test USB Device CDC example.

Preparation

Host

Personal computer running Windows Xp or Windows 7.
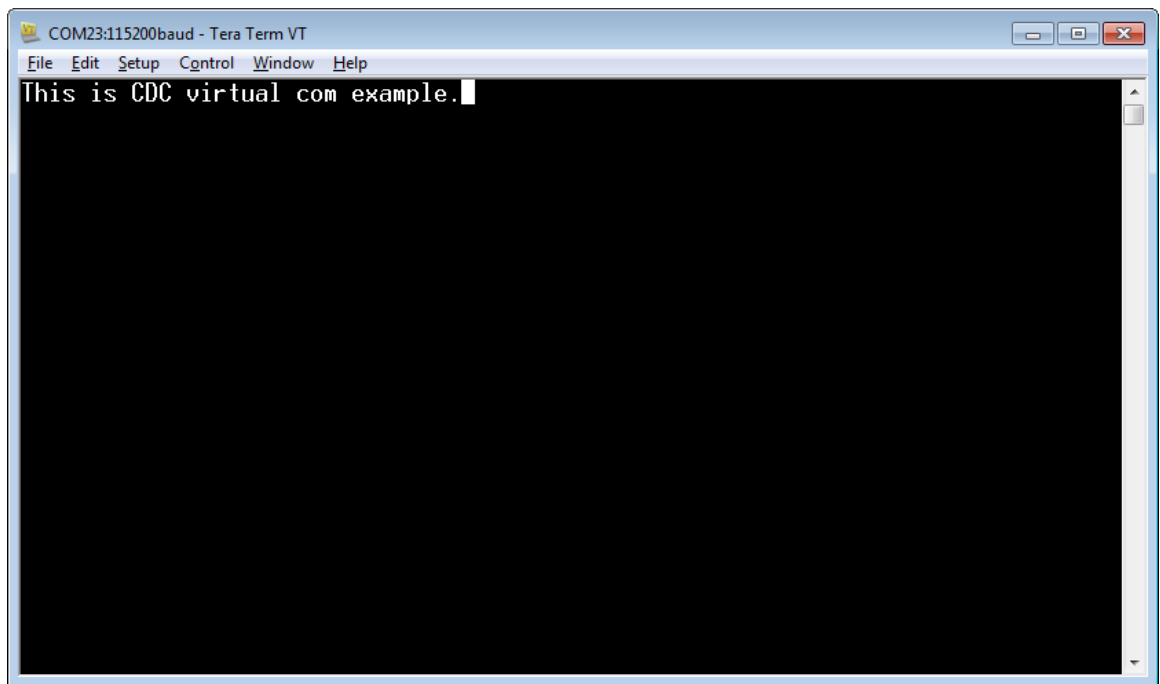
Device

A board, i.e. twrk70f120m, which is running dev_cdc_virtual_com example.

Steps

Follow the steps to run the CDC Virtual Com demo.

1. Plug-in the CDC device which is running dev_cdc_virtual_com example into PC. You will see a COM port enumerated in Device Manager. If it prompts for CDC driver installation. Refer to the next section to see how to install CDC driver.

2. Open the COM port in a terminal tool, i.e. Tera Term.

3. Type some characters and you can see them echoed back from the COM port.
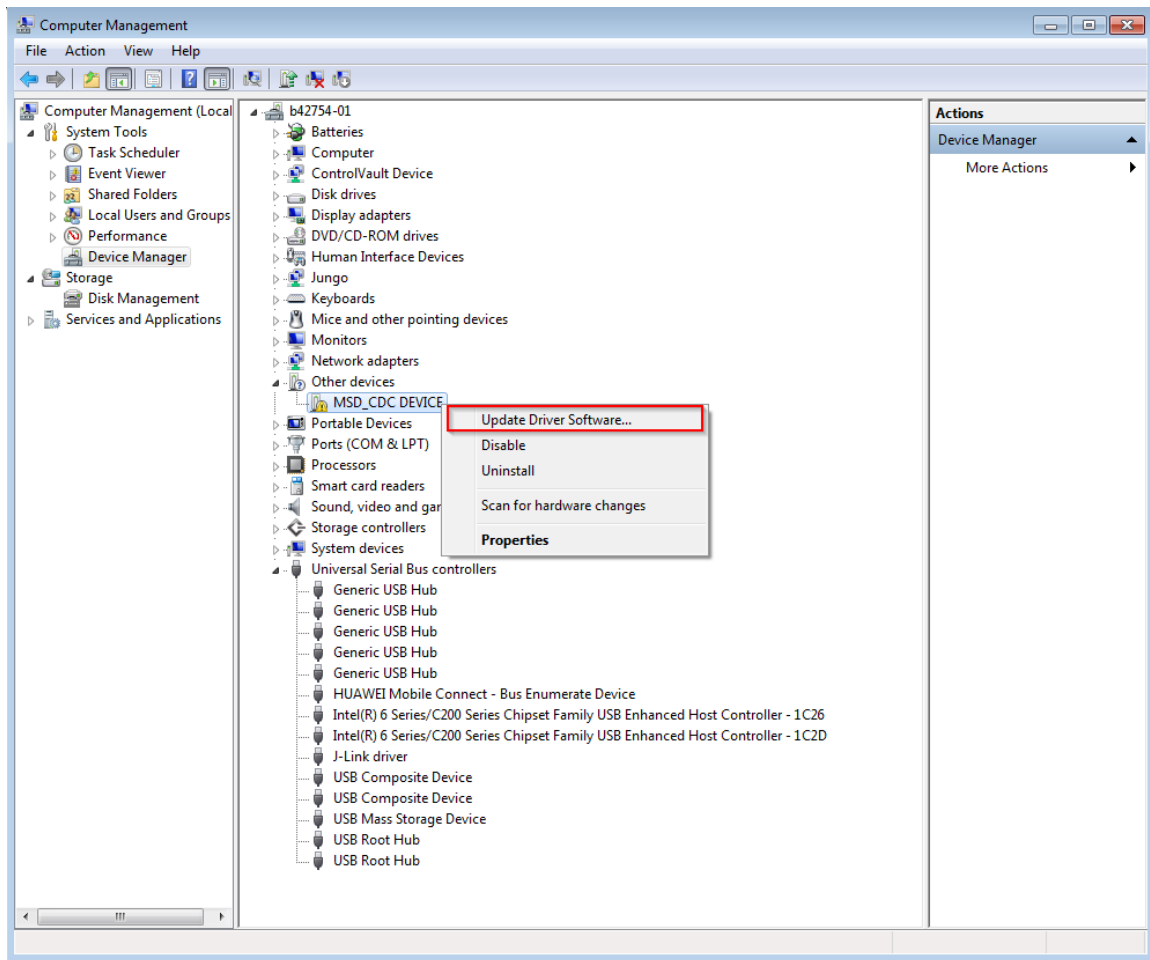

Note:

- Since there is no dynamic detection between host and device, the COM port must be closed from the terminal tool prior to plug-out the CDC device. Or the CDC device won't get recognized next time you plug-in with the COM port still opened.

- If no HW FLOW CONTROL is needed, you can let the variable **start_transactions** always be TRUE.
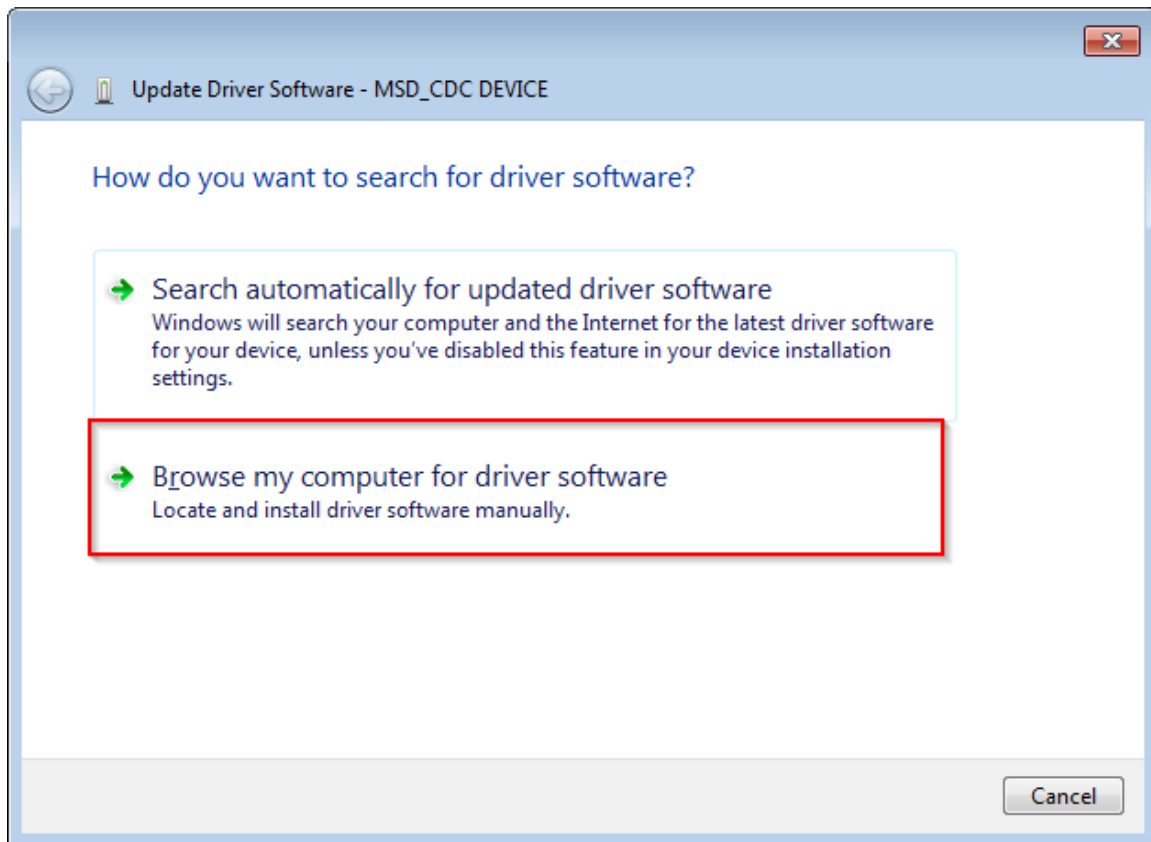
How to install CDC driver for virtual_com and msd_cdc composite example

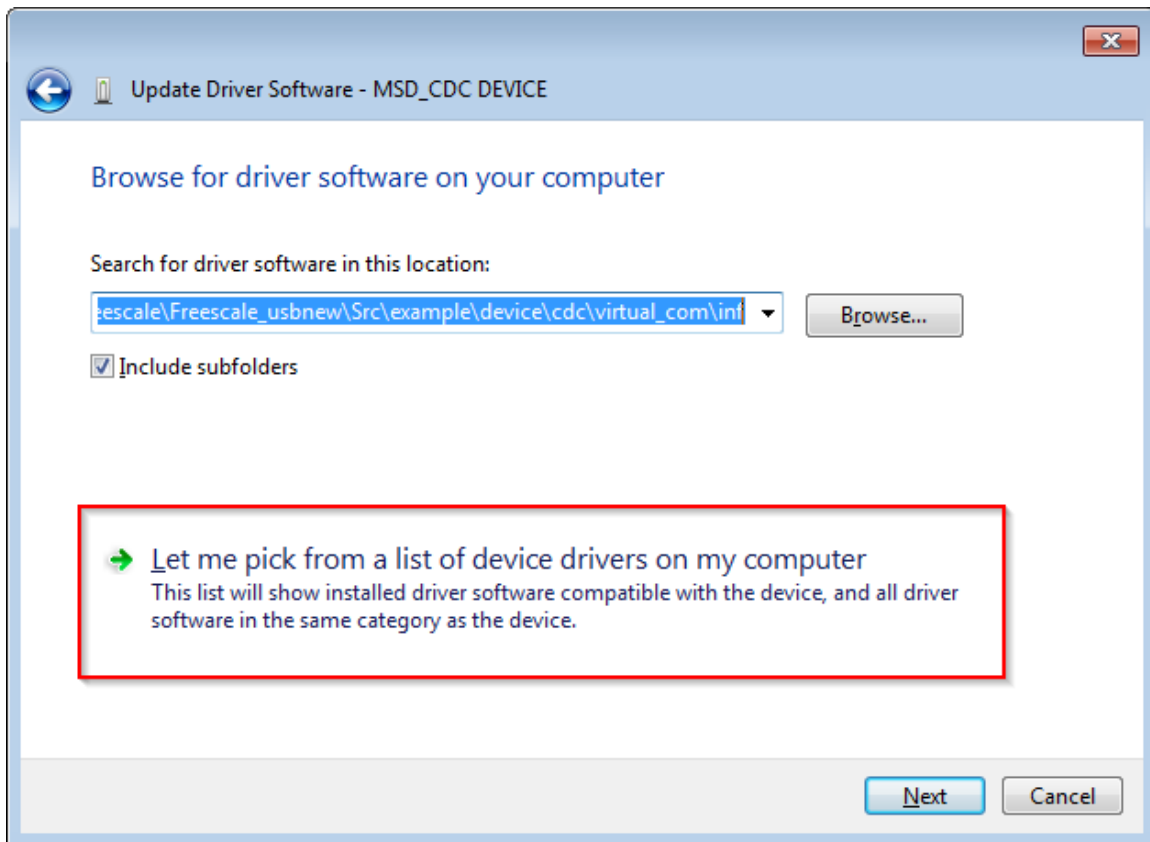Below are the steps to install CDC driver on Windows 7, while on Windows XP the similar way apply.

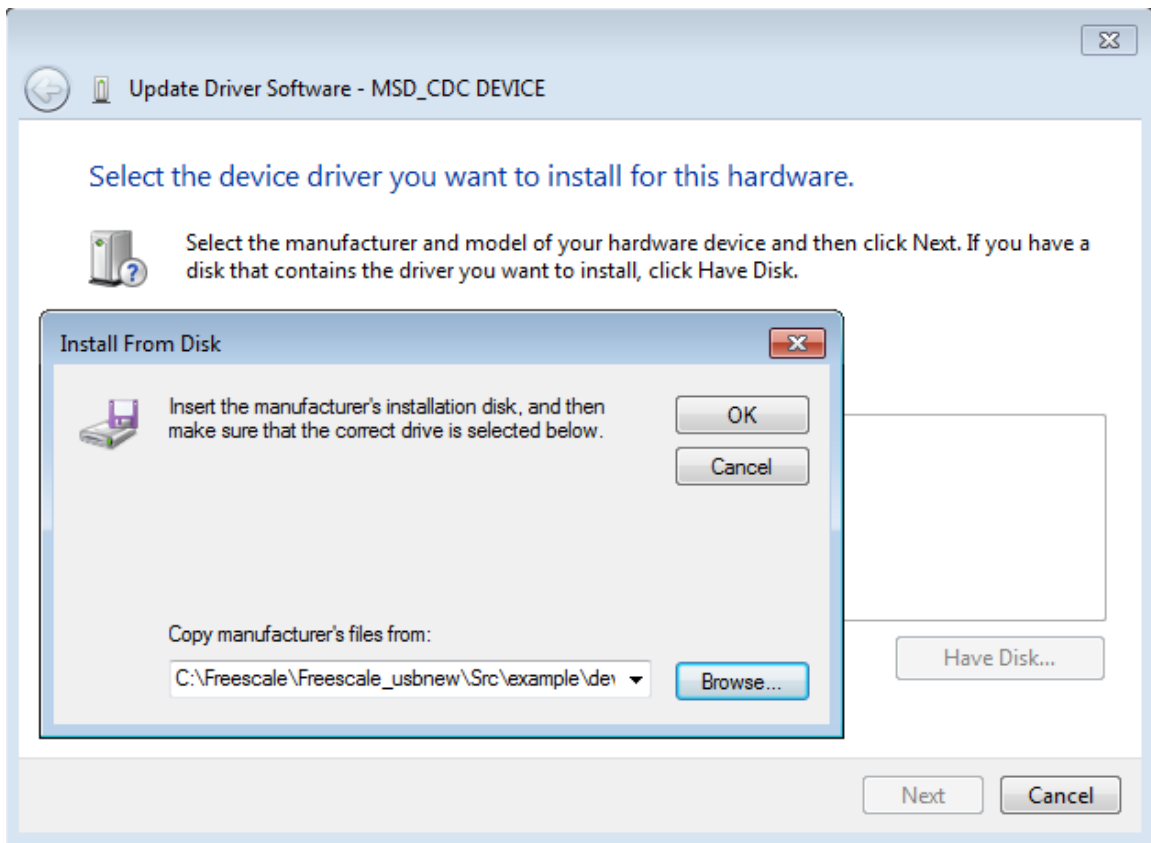## Step 1. Click "Update Driver Software…"

Step 2. Choose "Browse…"
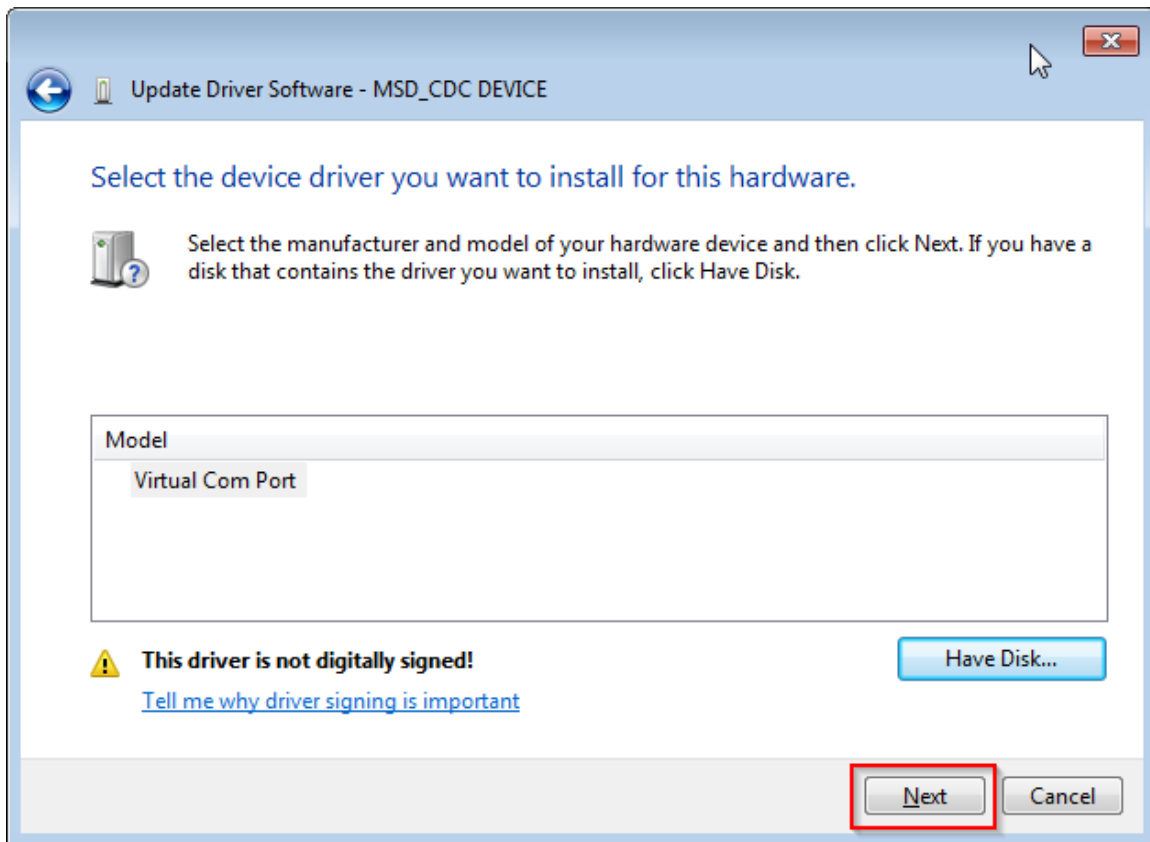
Step 3. Select "Let me pick..."
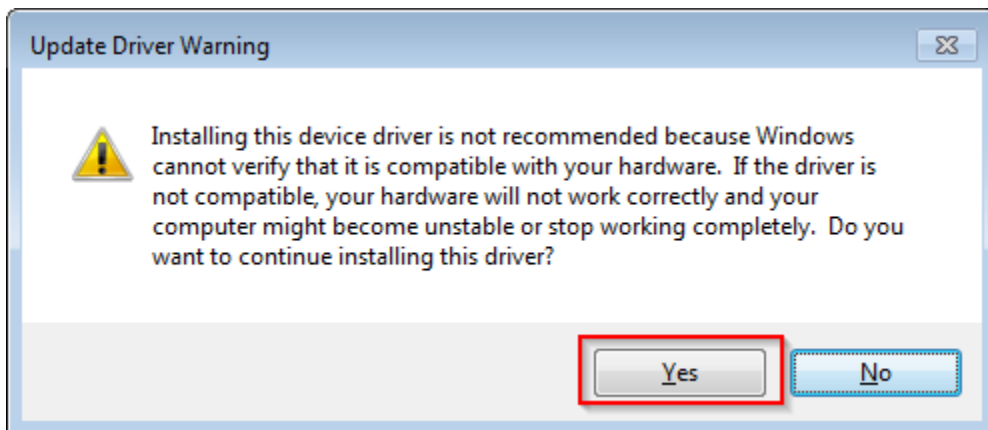

Step 4. Navigate to your CDC driver location.

<install_dir>\<usb_root_dir>\example\device\cdc\virtual_com\inf

Update Driver Software - MSD_CDC DEVICE

Select the device driver you want to install for this hardware.

Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

Install From Disk

Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.

OK

Cancel

Copy manufacturer's files from:

C:\Freescale\Freescale_usbnew\Src\example\dev

Browse...

Have Disk...

Next   Cancel

Step 5. Press "Next".

Step 6. Ignore the warning and press "Yes".

Step 7. Now the CDC driver should has been installed successfully.