YAESU
The radio

Virtual COM Port Driver Installation Manual

Installing the virtual COM port driver software on a computer makes possible CAT communication via a USB cable to the SCU-17. This will allow computer control of TX (PTT, FSK).

The SCU-17 is equipped with two virtual COM ports, which can be used for CAT communication and TX control operations.

This installation program is provided by Silicon Labs, Inc.

Please read this entire manual carefully. If you agree to the content of this manual, download and install the virtual COM port driver.

Operating Environment

Supported Operating Systems
・Microsoft® Windows® 8
・Microsoft® Windows® 7
・Microsoft® Windows Vista® (Service Pack 1 or later)
・Microsoft® Windows® XP (Service Pack 3 or later)
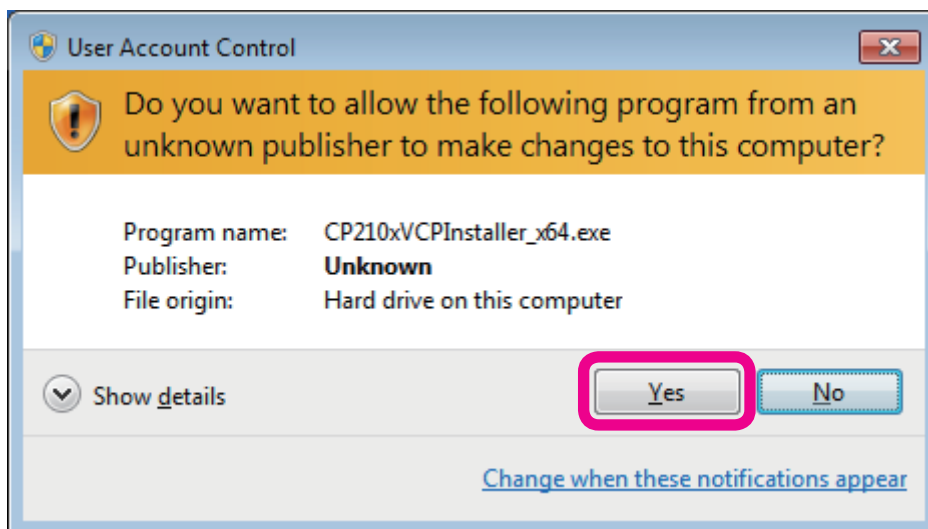
Port
   USB port (USB1.1/USB2.0)

Cable
   Use a supplied AB USB cable

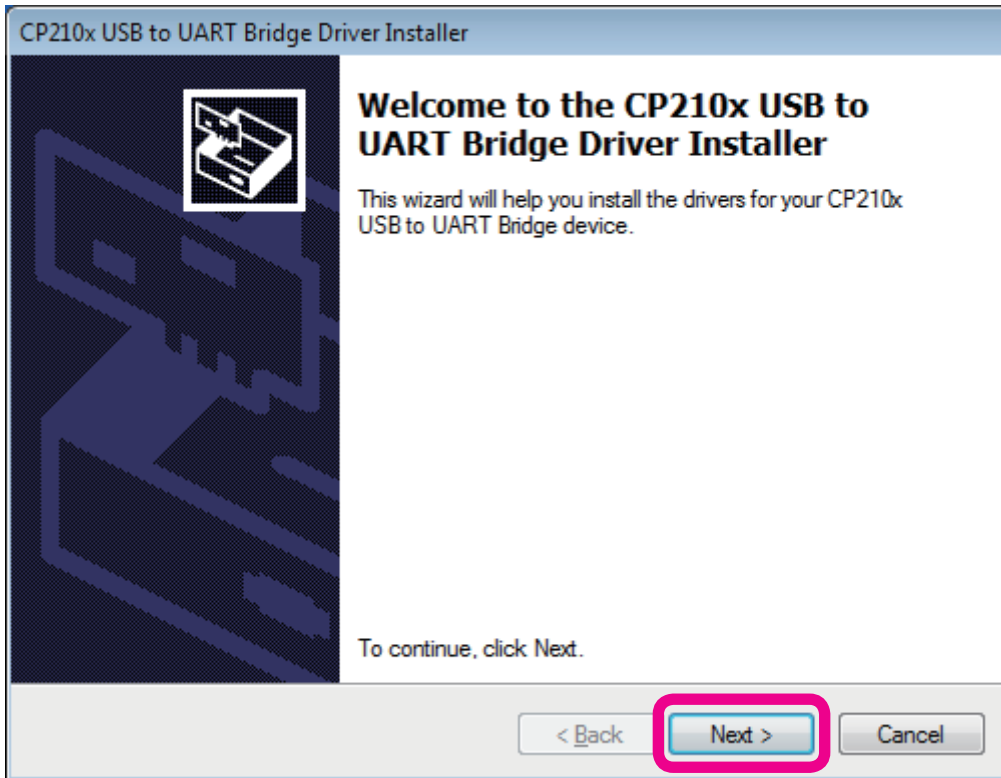## Installing the Virtual COM Port Driver

Caution: Complete the COM port driver installation before connecting the SCU-17 to the computer. Connecting the transceiver to the computer via the USB cable before installation has been completed may result in the wrong driver being installed, preventing proper operation.

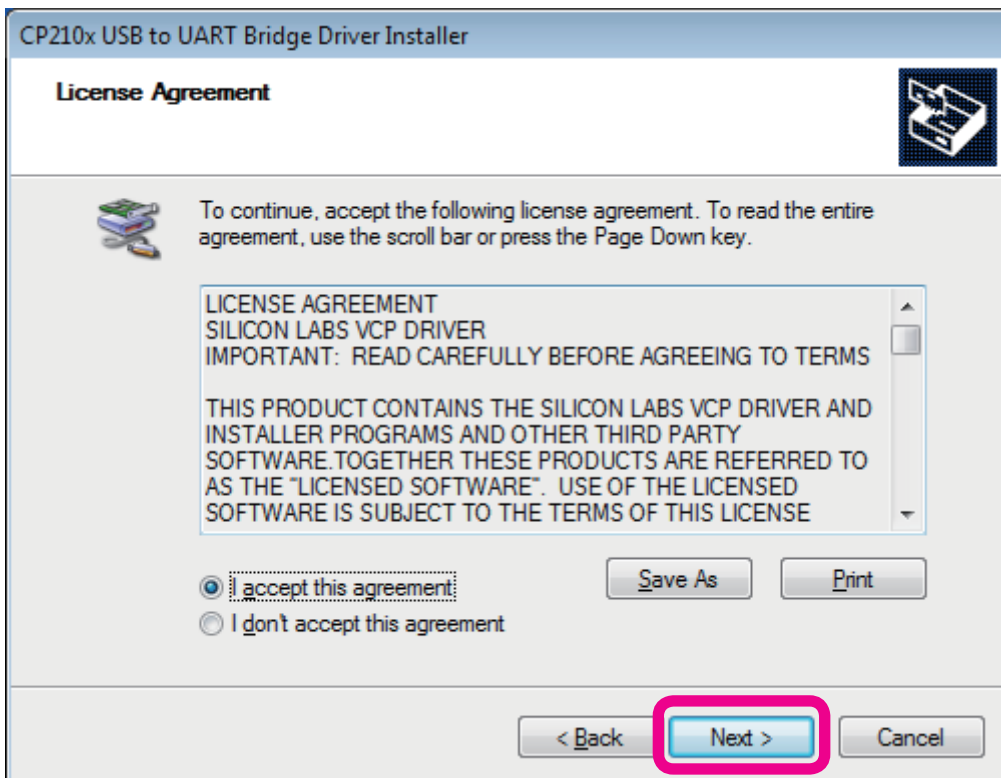The procedure for installing the virtual COM port driver on a Windows® 7 system is shown below

1. Start Windows® 7.
2. Shut down all running applications.
3. Unzip the downloaded (CP210x_VCP_Windows.zip) file.
4. Run the installation program (for 64bit: CP210xVCPInstaller_x64.exe, for 32bit: CP210xVCPInstaller_x86. exe) by double-clicking it. The following window will appear. Click the "Yes (Y)" button.
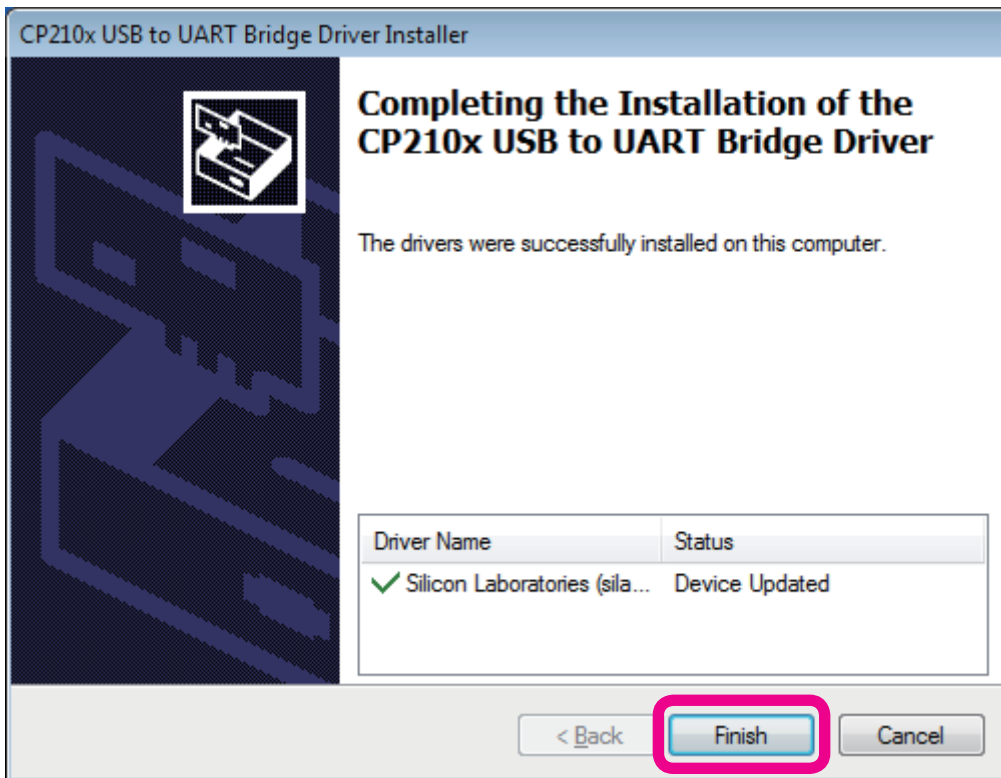
5. The following window will be displayed. Click the "Next >" button.

6. The "License Agreement" window will be displayed. Please read the License Agreement, and, if you agree to the terms therein, click the checkbox next to "I accept this agreement", and click the "Next >" button.
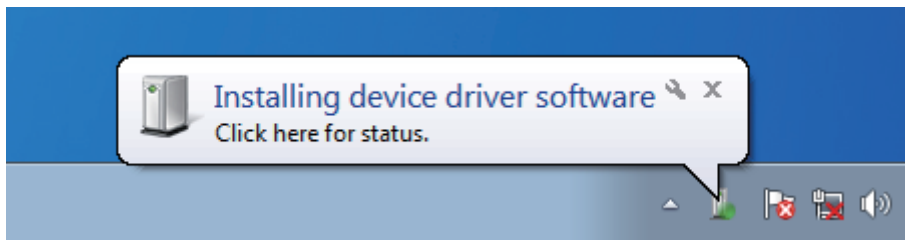
7. When the driver installation has been completed, the following window will be displayed. Click the "Finish" button.

Connecting the Transceiver and the Computer

Connect the computer and the SCU-17 via supplied USB cable.
A message such as the one below will be displayed, and the computer will recognize the new hardware and automatically begin device driver installation.

When "Your devices are ready to use" appears, installation has been completed.
A reboot confirmation window may be displayed on some computers. If this window appears, follow the on-screen instructions and reboot the computer.
Once the computer has been rebooted, the virtual COM driver and USB audio driver will be installed.
(The standard Windows® USB audio driver will be automatically installed, so you do not need to specify which driver to use.)

How to Confirm the Installation, and the COM Port Number

With the SCU-17 and computer connected, confirm whether the virtual COM driver has been installed successfully.
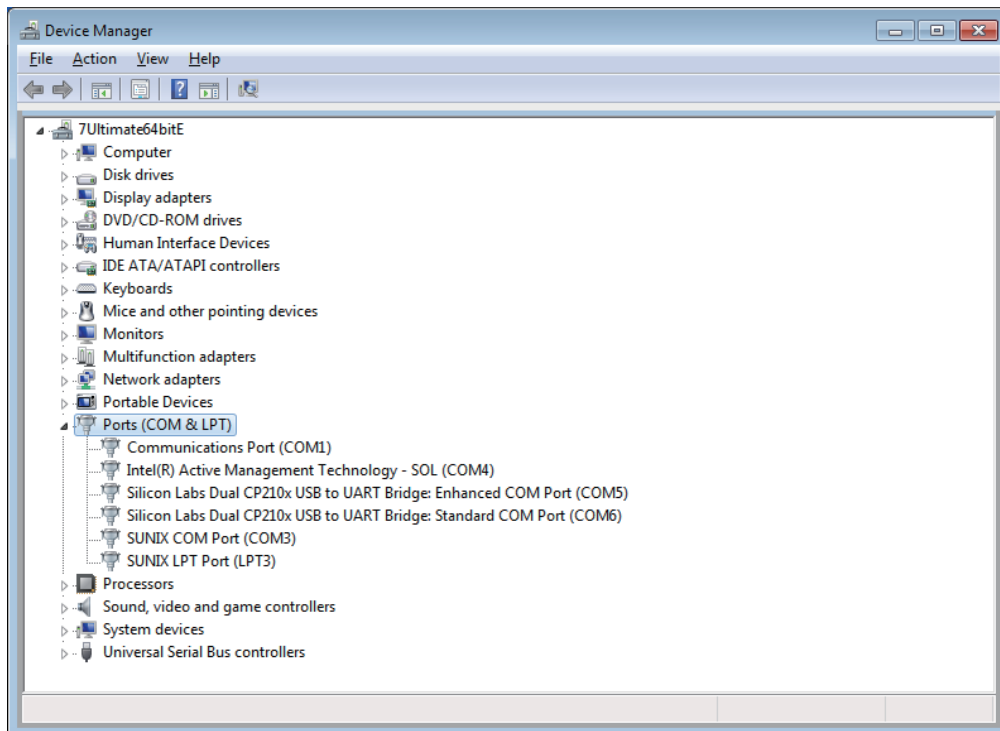
The example below is for Windows® 7.

1. Click the Windows® "Start" button → Right-click "Computer" → Click "Properties (R)".
2. Click "Device Manager" on the window that appears.
3. On the Device Manager screen, double-click "Port (COM & LPT)".

「Silicon Labs Dual CP210x USB to UART Bridge : Enhanced COM Port (COM5)」
「Silicon Labs Dual CP210x USB to UART Bridge : Standard COM Port (COM6)」
The number in the "(COM**)" portion may vary from computer to computer.

SCU-17 contain two virtual COM ports, an Enhanced COM Port and a Standard COM Port. These ports offer the following functions.

・CAT communications ....Enhanced COM Port
・TX control (PTT, FSK)..Standard COM Port

The above window shows that COM5 can be used for CAT communications, and COM6 can be used for TX control (PTT, KEY, FSK).

Select the COM port numbers confirmed using the procedure above when performing software port configuration.

Caution:
・ If a "!" or "X" is displayed for the port on the Device Manager, uninstall and reinstall the virtual COM driver.
・ If an SCU-17 with a different serial number is connected and turned on, different COM port numbers will be assigned to it, making it possible to configure individual COM port settings for a   separate SCU-17.
・ When using the USB cable to perform TX control, the transceiver may switch to the transmit mode when the computer is started, etc.
・ Always shut down the application on the computer before disconnecting the USB cable.

Agree and Download

Download the virtual COM port driver installation program from our download site if and only if you agree to all of the above.

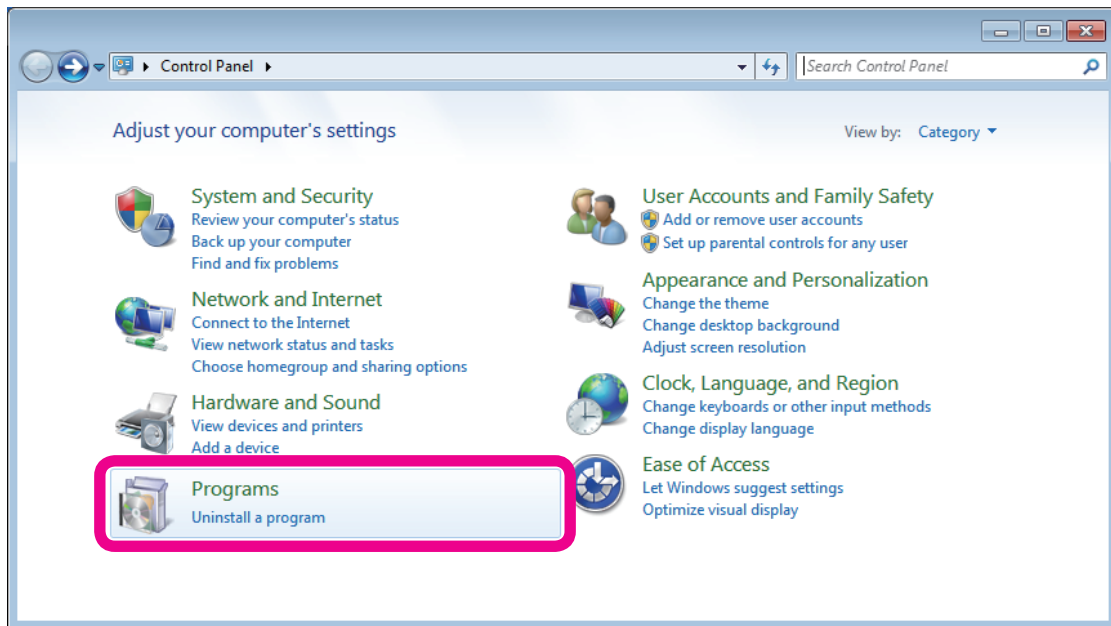The latest version of the virtual COM port driver can be downloaded from the Silicon Labs, Inc. website (http://www.silabs.com/products/mcu/pages/usbtouartbridgevcpdrivers.aspx).

(The above Silicon Labs, Inc. website link URL current as of May, 2013.)

Uninstalling the Driver

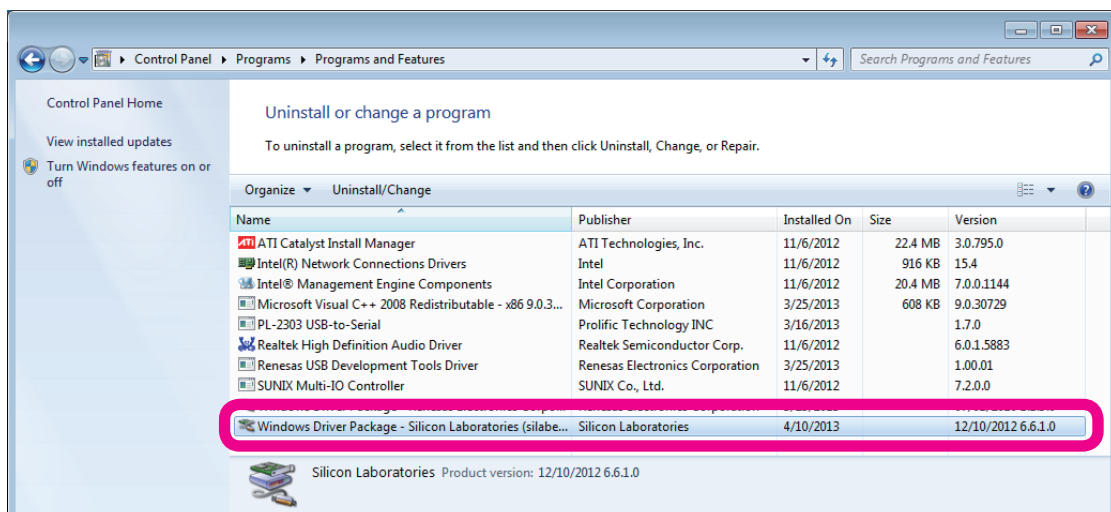The procedure for uninstalling the virtual COM port driver on a Windows® 7 system is shown below.

1. Click the Windows® "Start" button, and click "Control Panel".
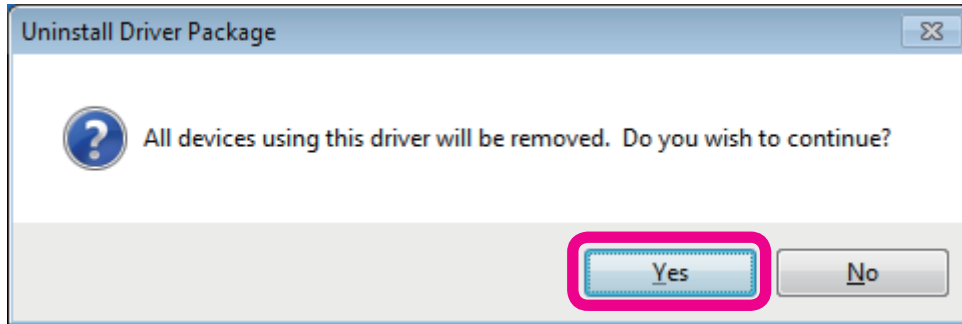2. Click "Uninstall or change a program".

3. Uninstall the following program.

   "Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)"

4. Double-click "Windows Driver Package – Silicon Laboratories (silabenm) Ports (****)".

5. The following window will be displayed. Click the "Yes" button.

6. Follow the on-screen instructions. If a message appears indicating that the system should be rebooted, follow the on-screen instructions and reboot the computer.

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