Manuals+

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YAESU

YAESU USB Driver Virtual COM Port Driver

Installing the virtual COM port driver software on a computer makes possible CAT communication via a USB cable to the SCU-17 or an compatible transceivers. This will allow computer control of TX (PTT, KEY, FSK), and the audio In/Out interface (except

the FT-891). The COM port is also used for updating the transceiver firmware.

The SCU-17 or an compatible transceiver have two virtual COM ports, which can be used for CAT communi-cation and TX control operations. This driver installation program is provided by Silicon Labs, Inc. (The above Silicon Labs, Inc. website link is current as of April, 2016.) Please read this entire manual carefully. If you agree to the content of this manual, you may download and install the virtual COM port driver.

Installing the Virtual COM Port Driver

Caution: Do not connect the SCU-17 or transceiver to the computer via the USB cable until the virtual COM port driver installation process has been completed. Connecting the SCU-17 or transceiver to the computer via the USB cable before the driver installation has been completed may result in the wrong driver being installed, preventing proper operation.
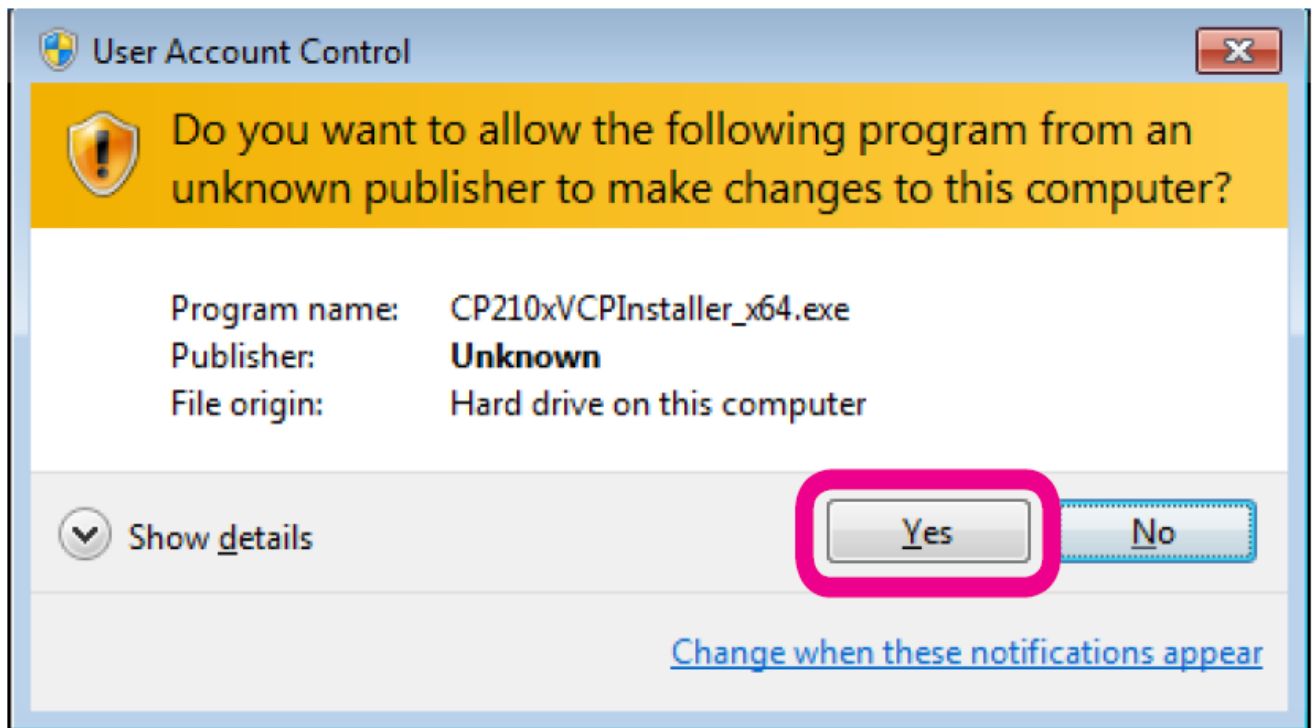
When you unzip the "CP210x_VCP_Windows.zip" file, "CP210xVCPInstaller_x64.exe" and "CP210xVCPIn-staller_x86.exe" will be generated. Choose the appropriate file depending on the OS version of your com-puter as follows:

- OS for 64 bit version : "CP210xVCPInstaller_x64.exe"
- OS for 32 bit version : "CP210xVCPInstaller_x86.exe"

The procedure for installing the virtual COM port driver on a Windows® 7 (64 bit version) system is shown be-low.

1. Start Windows® 7.
2. Shut down all running applications.
3. Unzip the downloaded (CP210x_VCP_Windows.zip) file.
4. Run the installation program (CP210xVCPInstaller_x64.exe) by double-clicking it. The following window will appear. Click the "Yes (Y)" button.
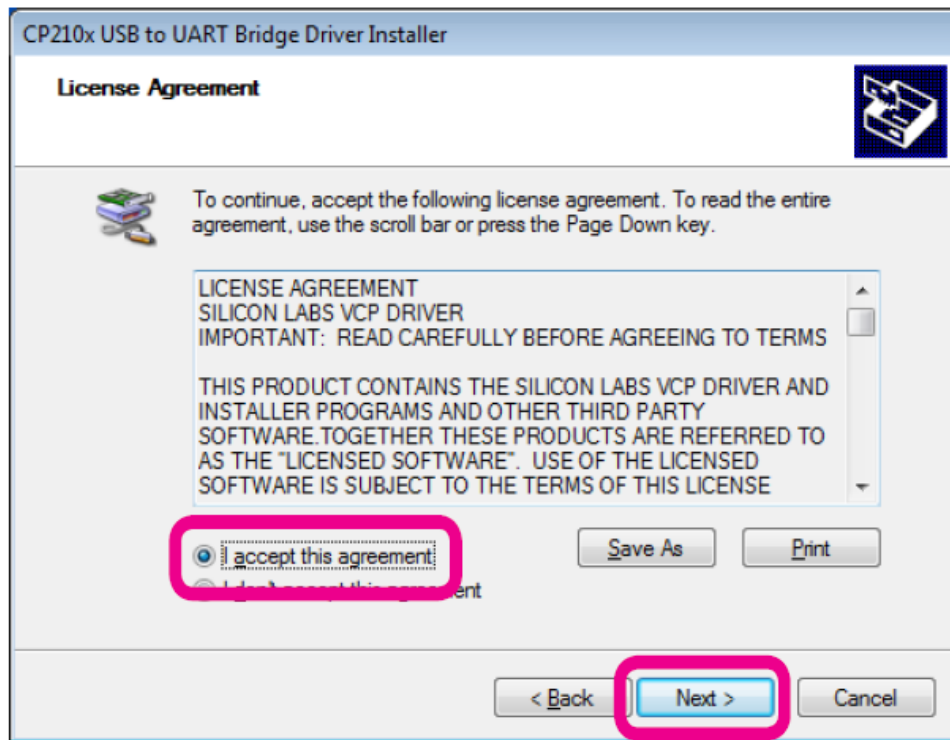   If the OS version of your computer is 32 bit version, you must choose "CP210xVCPInstaller_x86.exe"
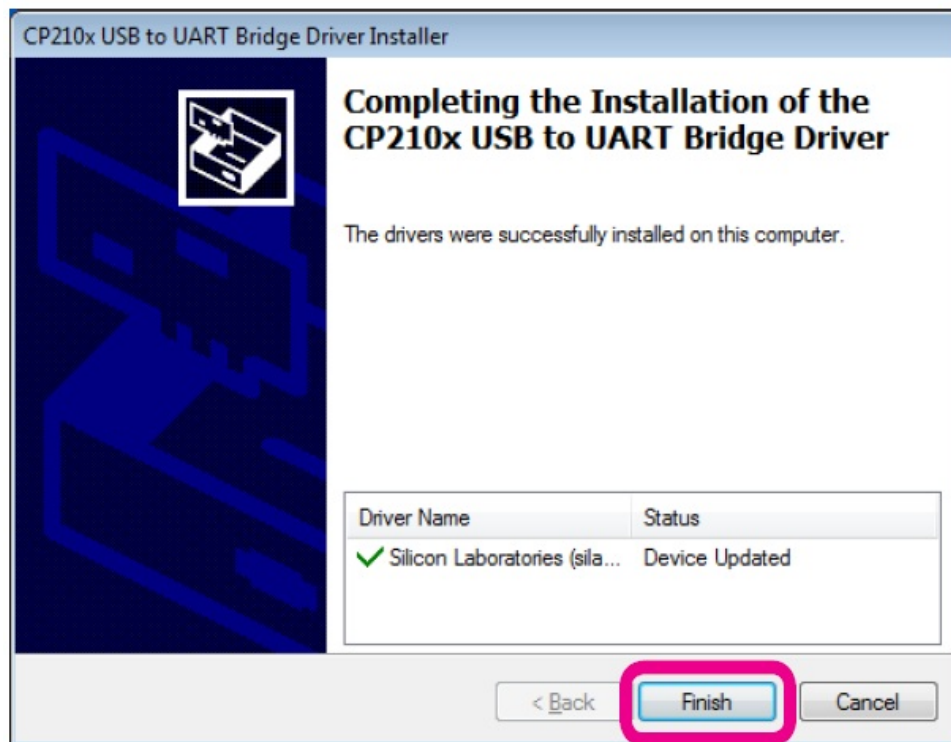
5. The following window will be displayed. Click the "Next >" button.

6. The "License Agreement" window will be displayed. Please read the License Agreement, and, if you agree to the terms therein, click the check box next to "I accept this agreement", and click the "Next >" button.

7. The "Completing the Installation of the CP210x USB to UART Bridge Driver" window will be displayed. Click the "Finish" button.

8. This completes the driver installation process.

Connecting the SCU-17 or Transceiver and the Computer
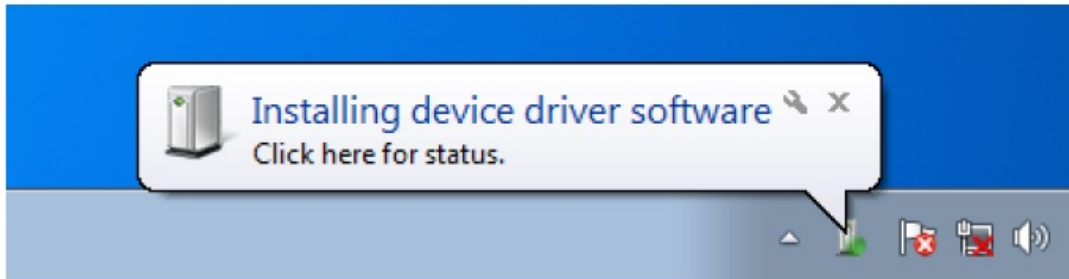
- Connect the computer and the SCU-17

  Connect the computer and the SCU-17 via 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.

- Connect the computer and the transceiver

  Connect the computer and the transceiver via USB cable, and then turn the transceiver on.

  A message such as the one below will be displayed, and the computer will recognize the new hardware and automatically begin device driver installation.
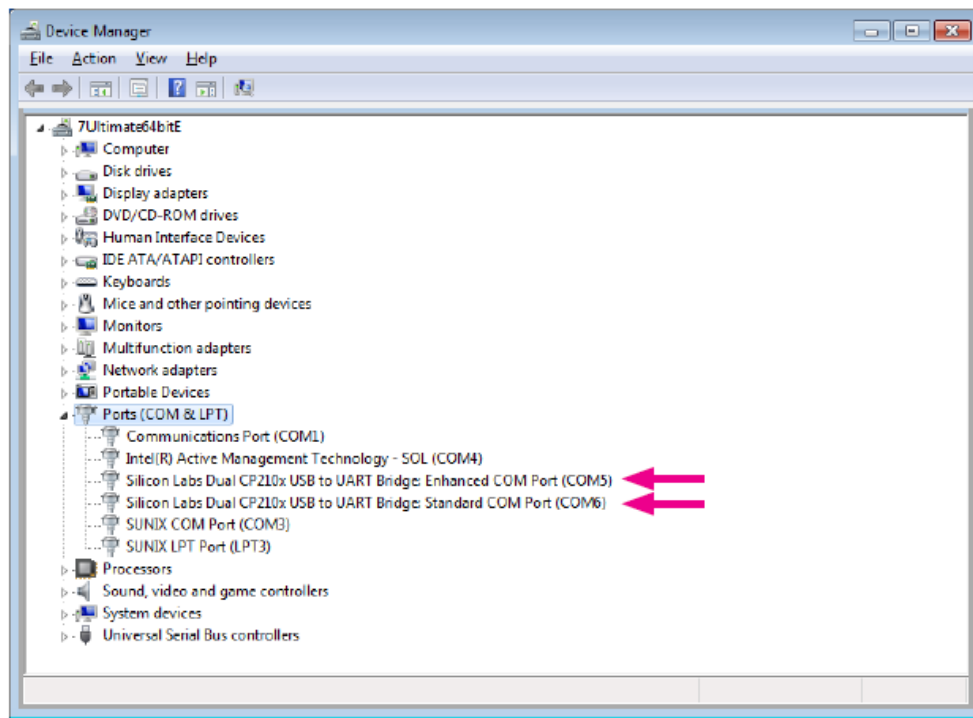

- When "Your devices are ready to use" appears, installation has been completed.
- A reboot confirmation window may be displayed on some computers. If this window appears, follow the on-screen instructions and reboot the computer.
- Once the computer has been rebooted, the virtual COM driver and USB 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 or transceiver 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.

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

- CAT communications and firmware updating ……. Enhanced COM Port
- TX control (PTT, KEY, FSK) ………………………. Standard COM Port

The above window shows that COM5 can be used for CAT communications and firmware updating, and COM6 can be used for TX control (PTT, KEY, FSK). When performing software port configuration, select the COM port numbers that were confirmed using the procedure above.

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 or transceiver with a different serial number is connected and turned on, different COM port numbers will be assigned to it, making it possible to perform individual COM port configurations for sepa-rate transceivers.
- When using the USB cable for TX control, the transceiver may switch to the transmit

mode when the computer is started.

- Always close 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).
- Click "VCP Driver Kit" on the above website. (The above Silicon Labs, Inc. website link URL is current as of March, 2016.)
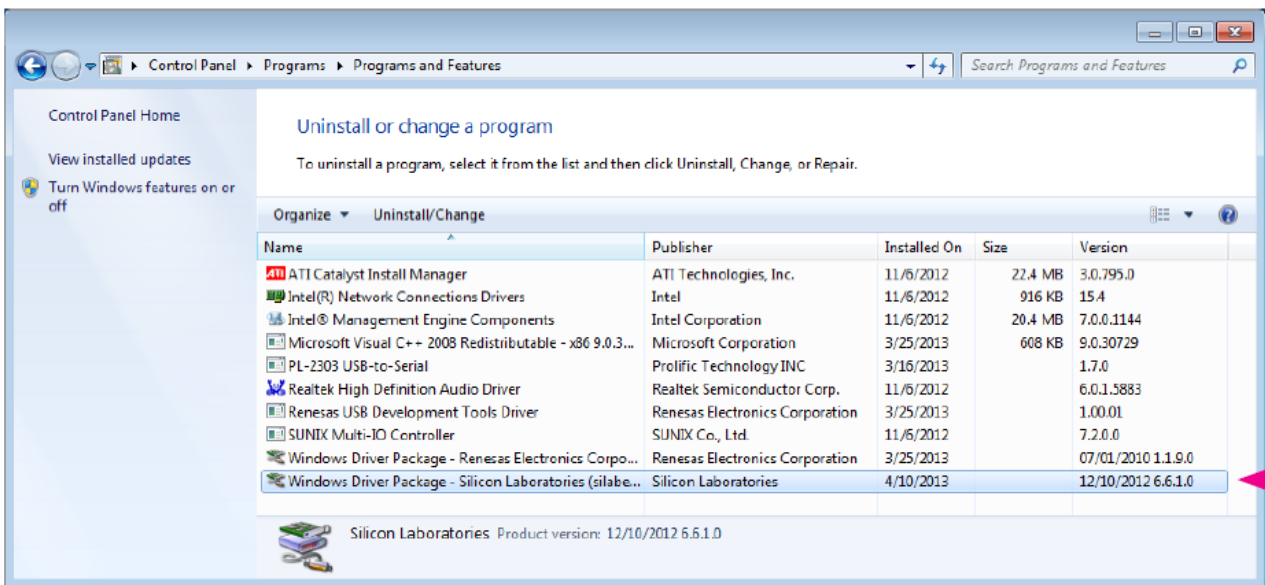
Uninstalling the Driver

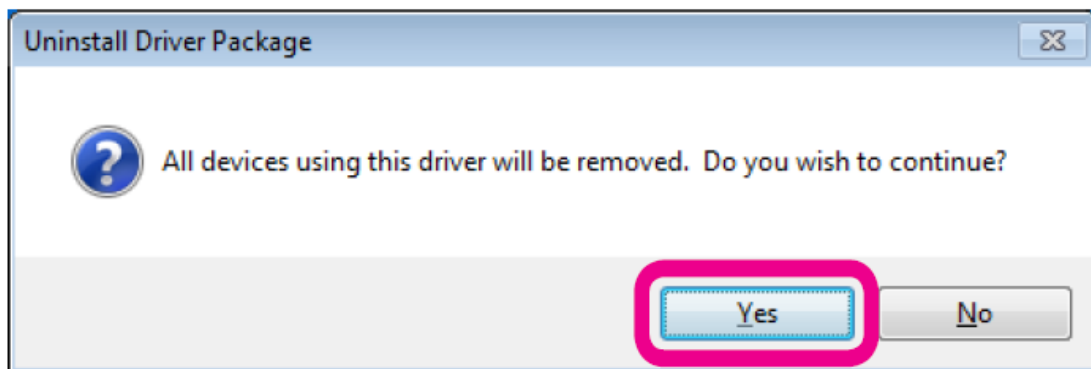The procedure for uninstalling the virtual COM port driver on a Windows® 7 system is shown below.

1. Click the Windows® "Start" button, and click "Control Panel".

2. Click "Uninstall or change a program".
3. Uninstall the following two programs. "Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)" "Windows Driver Package – Silicon Laboratories (silabenm) Ports (****)"

4. First, double-click "Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)".

5. Uninstall by following the on-screen instructions.

6. When the uninstall process has been completed, double-click "Windows Driver Package – Silicon Labora-tories (silabenm) Ports (****)" to uninstall.

7. The following window will appear. Click the "Yes (Y)" button.

8. 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.

Operating Environment

Supported Operating Systems

- Microsoft® Windows® 10
- Microsoft® Windows® 8.1
- Microsoft® Windows® 8
- Microsoft® Windows® 7

*The previous version of the virtual COM port driver (v6.7) for Windows XP/Vista/7/8/8.1

can be downloaded from the Silicon Labs, Inc. website
(http://www.silabs.com/products/mcu/pages/usbtouartbridgevcpdrivers.aspx).

- Port
  USB port (USB1.1/USB2.0)
- Cable
  Use a commercially available A-B USB cable

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FAQ

Do I need to install the USB driver for each Yaesu radio model?

If you already have the USB Driver Virtual COM Port Driver installed for one of the listed models, you do not need to reinstall it for a different model.

Documents / Resources

YAESU Note *(small text block)*	[YAESU USB Driver Virtual COM Port Driver](#) [[pdf](#)] Instructions USB Driver Virtual COM Port Driver, Driver Virtual COM Port Driver, Virtual COM Port Driver, COM Port Driver, Port Driver, Driver

References

- [User Manual](#)

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