

You can set up an Icom radio by connecting it to a PC through a USB cable.

Please read this installation guide before installing the USB driver.

The descriptions in this guide are based on the following conditions:

- You have already downloaded the latest USB driver from the Icom Download Service website.
<https://www.icomjapan.com/support/>

- The operating system of the PC is Windows 10.

The installation steps or displayed dialog may differ, depending on the operating system.

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1. OVERVIEW

System requirements

The following hardware and software are required:

PC

- Microsoft® Windows® 11 (64 bit)
- Microsoft® Windows® 10 (32/64 bit)
- Microsoft® Windows® 8.1 (32/64 bit)*

*Except for the "RT" version.

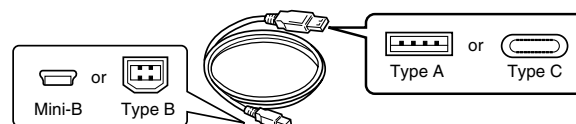
- A USB 1.1, 2.0, or 3.0 port

NOTE:

- Icom is not responsible for problems using a PC with one of the above OSs installed.
- If you want to use it on Windows 11, please install the driver for Windows 10.

Cable

- A USB cable



NOTE:

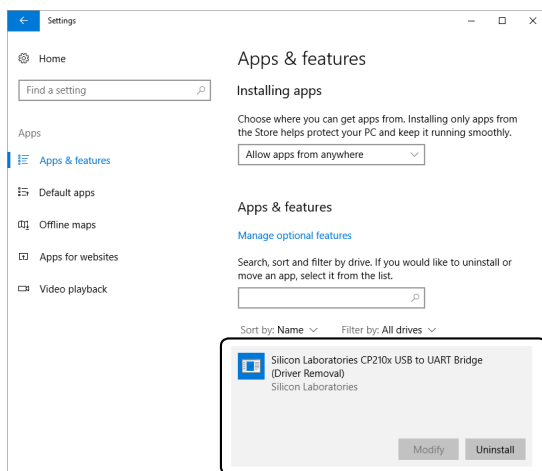
- Depending on the length of a third party USB cable, the radio may not work correctly, even if the PC recognizes it. Use a cable that is as short as possible.
- Purchase the proper USB cable according to your PC's USB port.
- This guide is based on using a radio with a Mini-B type USB port.
- Use a USB cable for data communication. You cannot set up the radio with a cable that is made for charging only.

2. PRECAUTIONS

Before installation

- When installing the driver, confirm Windows has completed its startup, and then log in as the administrator.
- Confirm no other applications are running.
- When a previous version driver is installed on your PC, the driver name “Silicon Laboratories CP210x USB to UART Bridge (Driver Removal)” is displayed on the Control Panel screen, as shown below. In this case, uninstall it before installing this driver.
- If the earlier version “Windows Driver Package - Silicon Laboratories Inc. (silabser) Ports” is installed, uninstall it manually before installing the latest driver.

See “Uninstalling the driver” on page 9 for details.



(Windows 10 screen is shown.)

After installation

• Uninstalling the USB driver

You cannot uninstall the USB driver for each individual unit. After uninstalling the USB driver, none of the radios that require this driver can be operated with the PC.

• When another radio is connected

A COM port number is automatically added after turning ON the device.

About compatible radios

The radios that require this driver are shown on the Icom website.

<https://www.icomjapan.com/support/>

Before connecting to a PC

The USB driver is not supported by the automatic recognition system, so **NEVER** connect the USB cable between the radio and the PC until AFTER the USB driver has been installed.

See “Driver installation” on page 3 for details.

- Once the driver is installed, a PC software can be used by just connecting the USB cable.
- Directly connect the radio and the PC. Icom is not responsible for improper operation when connecting them through a USB hub.

Important

- Depending on your PC performance (OS, environment, and so on), the USB audio may be interrupted, or a control by the PC software may get delayed.
- If the CPU has a heavy load, the USB audio is easily interrupted.
- The settings of the installed audio player may be changed after connecting the radio to the PC.

3. DRIVER INSTALLATION

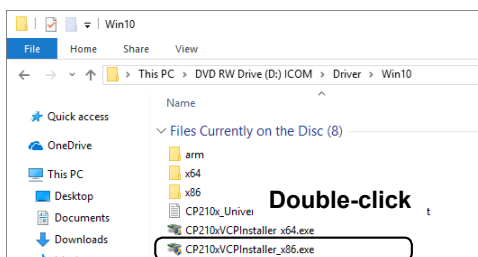
Windows 10

NOTE:

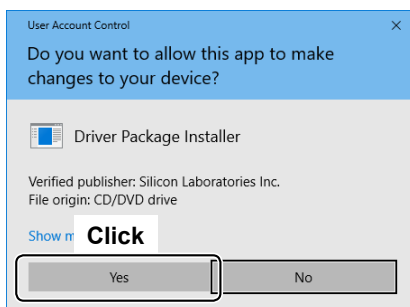
- **NEVER** connect the USB cable between the radio and the PC until AFTER the USB driver has been installed. Disconnect the cable, if connected, before starting the USB driver installation.
- This USB driver is not supported by the automatic recognition system.

① The displayed dialog, indications, or operations may differ slightly from the following instructions, depending on your system version and settings.

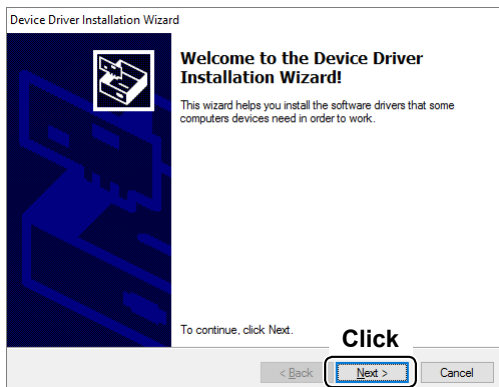
1. Confirm that the radio and PC are not connected.
2. Double-click the USB driver installer in the “Win10” folder.
 - If you want to install to the 32 bit version OS, double-click “CP210xVCPInstaller_x86.exe.”
 - If you want to install to the 64 bit version OS, double-click “CP210xVCPInstaller_x64.exe.”



3. When the “User Account Control” dialog is displayed, click <Yes>.

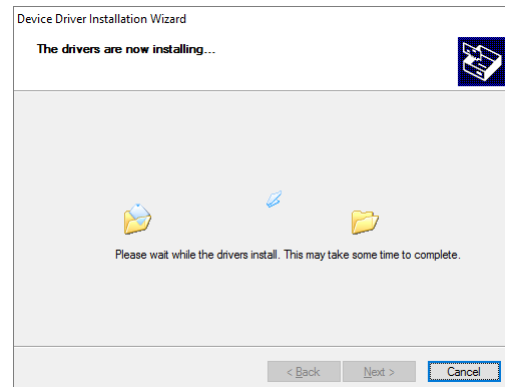


4. When the install screen is displayed, click <Next>.

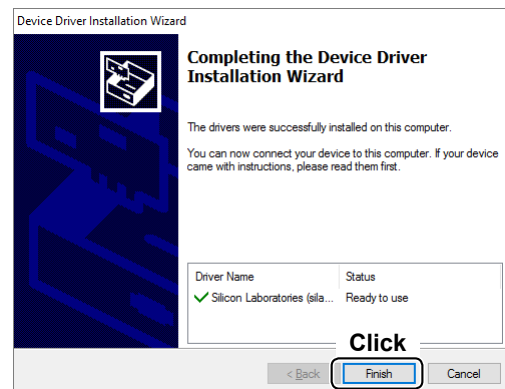


- If the “License Agreement” dialog is displayed, read the agreement, and click the radio button next to “I accept this agreement,” and then click <Next>.

5. Windows starts installing the driver.



6. After the installation has completed, click <Finish>.



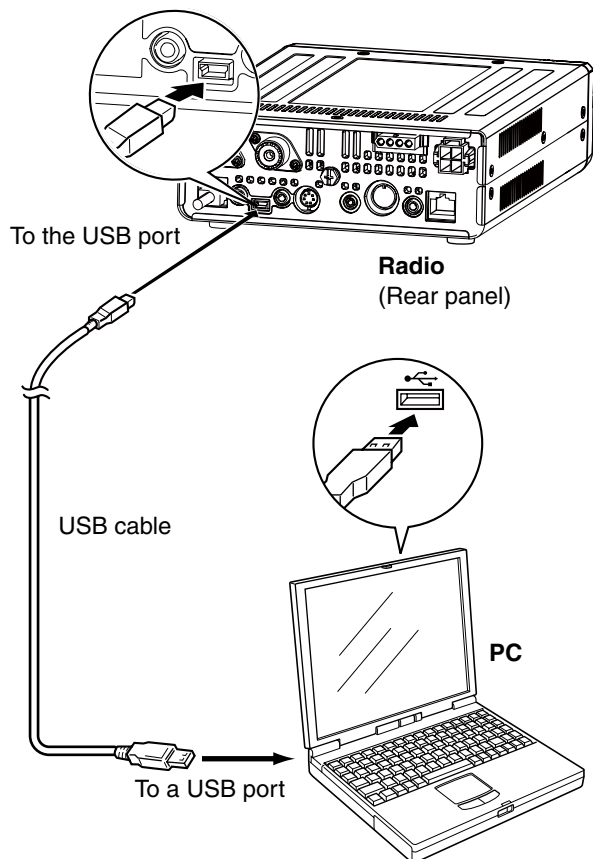
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3. DRIVER INSTALLATION

Windows 10 (Continued)

7. Connect the USB cable between the radio and the PC, as shown below. Then, turn ON the radio's power.

- Confirm the USB cable connector shape.



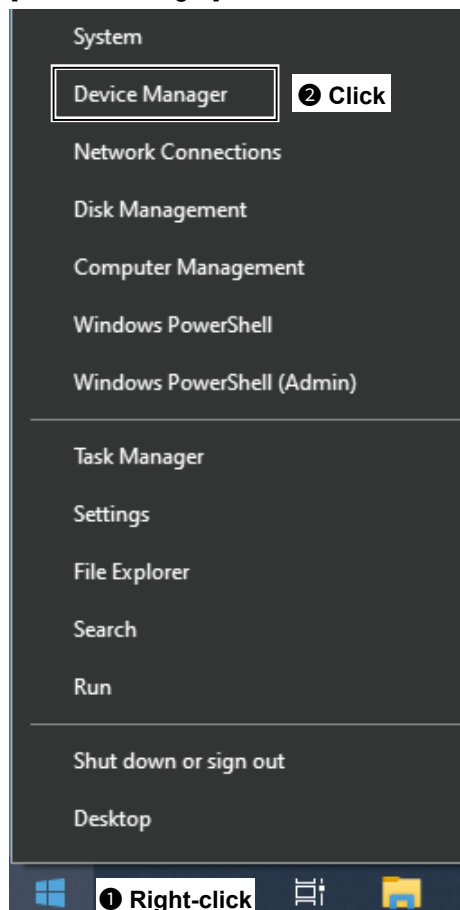
8. The installation icons are displayed on the taskbar shown below, then Windows starts installing the driver.
- The USB audio driver is also automatically installed.



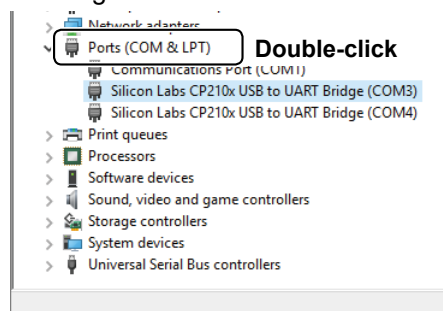
9. After the driver installation has completed, the installation icons disappear.
- Depending on your system version and settings, you may be prompted to restart the PC. In this case, follow the instructions on the screen.

After the driver installation has been completed, confirm the port connection and port number.

10. Right-click Windows icon, and then click [Device Manager].



11. Double-click "Ports (COM & LPT)" on the "Device Manager" screen.



- When the driver is completely installed, "Silicon Labs CP210x USB to UART Bridge (COM*)" is displayed. The screen shows the USB serial COM port number "3."

- The COM port number is displayed instead of "*." If the radio has two COM ports, two COM port numbers are displayed.
- Depending on the PC environment, the COM port number may differ.
- If "!" or "x" is displayed on the "Device Manager" screen, the driver may not be properly installed. In such a case, first uninstall the USB driver, then reinstall it.

3. DRIVER INSTALLATION

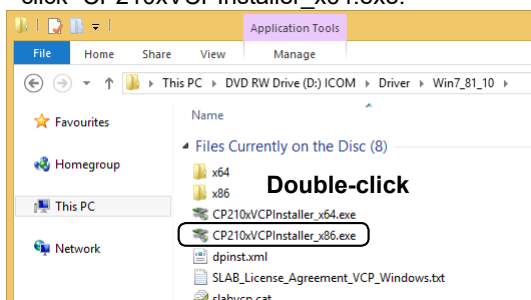
Windows 8.1

NOTE:

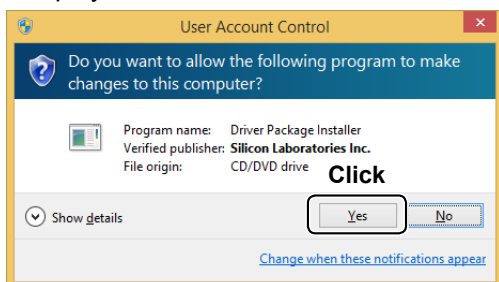
- **NEVER** connect the USB cable between the radio and the PC until AFTER the USB driver has been installed. Disconnect the cable, if connected, before starting the USB driver installation.
- This USB driver is not supported by the automatic recognition system.

① The displayed dialog, indications, or operations may differ slightly from the following instructions, depending on your system version and settings.

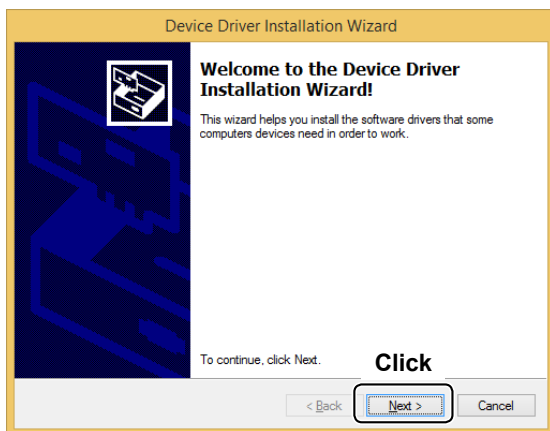
1. Confirm that the radio and PC are not connected.
2. Double-click the USB driver installer in the “Win7_81_10” folder.
 - If you want to install to the 32 bit version OS, double-click “CP210xVCPInstaller_x86.exe.”
 - If you want to install to the 64 bit version OS, double-click “CP210xVCPInstaller_x64.exe.”



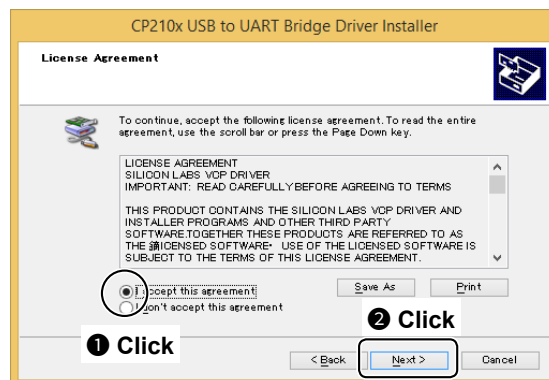
3. When the “User Account Control” dialog is displayed, click <Yes>.



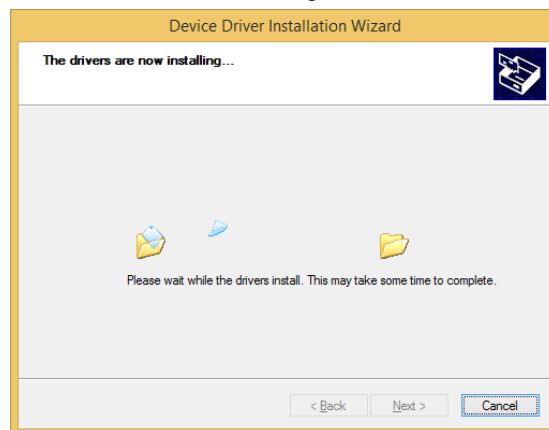
4. When the install screen is displayed, click <Next>.



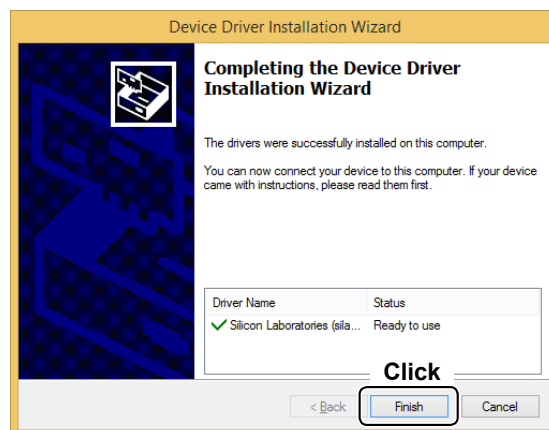
5. The “License Agreement” dialog is displayed. Read the agreement, and click the radio button next to “I accept this agreement,” and then click <Next>.



6. Windows starts installing the driver.



7. After the installation has completed, click <Finish>.

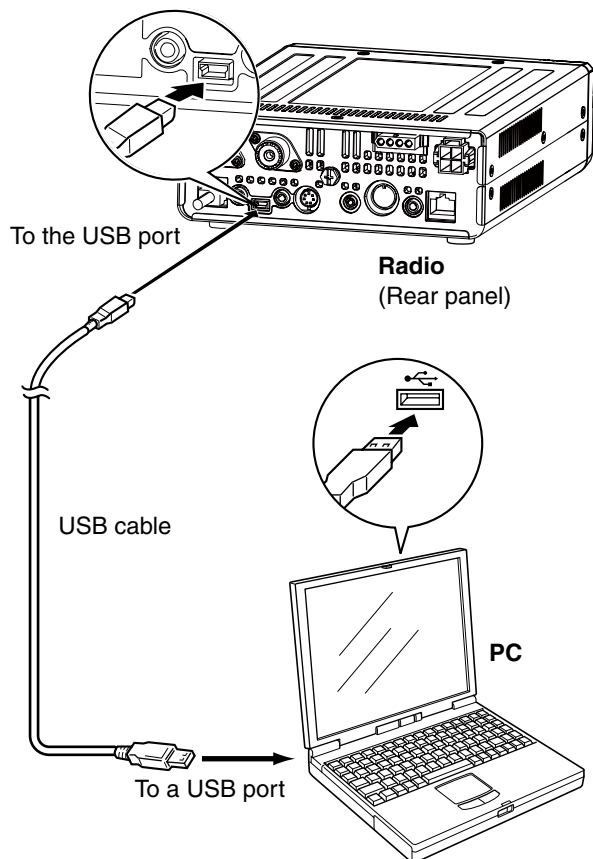


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3. DRIVER INSTALLATION

Windows 8.1 (Continued)

- ① Connect the USB cable between the radio and the PC, as shown below. Then, turn ON the radio's power.
- Confirm the USB cable connector shape.



8. The installation icons are displayed on the taskbar shown below, then Windows starts installing the driver.
- The USB audio driver is also automatically installed.



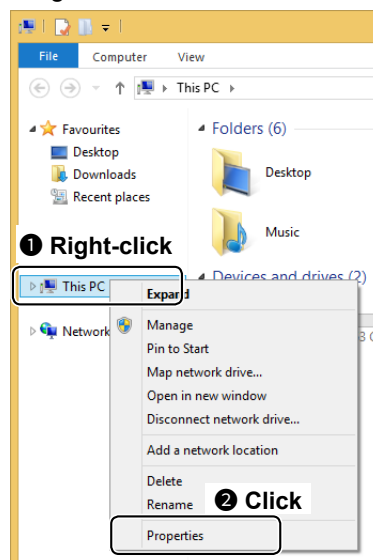
9. After the driver installation has completed, the installation icons disappear.
- Depending on your system version and settings, you may be prompted to restart the PC. In this case, follow the instructions on the screen.

After the driver installation has been completed, confirm the port connection and port number.

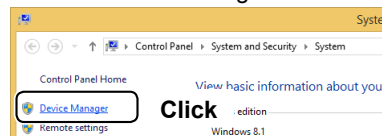
10. Click the folder icon on the taskbar.



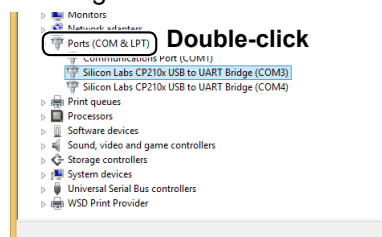
11. Right-click "This PC," and then click "Properties."



12. Click [Device Manager].
- The "Device Manager" screen is displayed.



13. Double-click "Ports (COM & LPT)" on the "Device Manager" screen.



- When the driver is completely installed, "Silicon Labs CP210x USB to UART Bridge (COM*)" is displayed. The screen shows the USB serial COM port number "3."

- The COM port number is displayed instead of "*." If the radio has two COM ports, two COM port numbers are displayed.
- Depending on the PC environment, the COM port number may differ.
- If "!" or "x" is displayed on the "Device Manager" screen, the driver may not be properly installed. In such a case, first uninstall the USB driver, then reinstall it.

4. FOR YOUR REFERENCE

After the PC and radio are connected, you can remotely control the radio using the CI-V commands.

The radio has a conversion function between USB and Serial. So, if the radio is connected to a PC with the USB cable, the CT-17 is not required for the Icom Communications Interface-V (CI-V) operation.

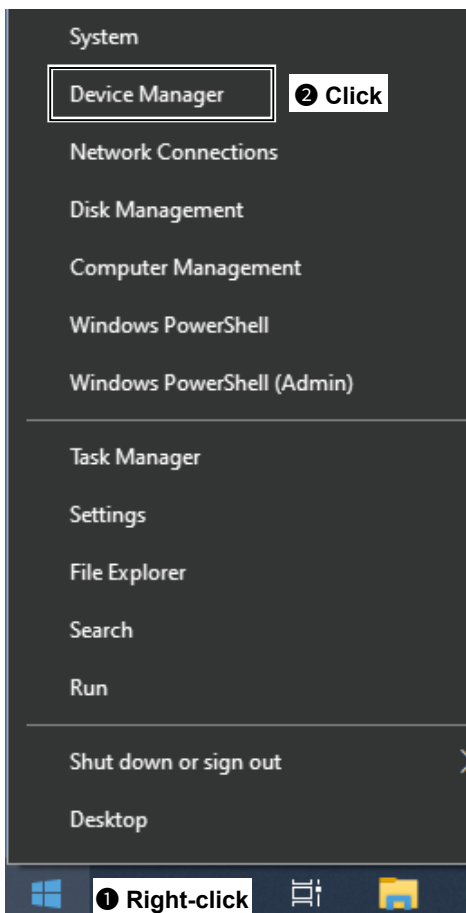
The [USB] port and [REMOTE] jack can simultaneously be used. So CI-V operation can be done from a PC, even if an Icom CI-V product, such as a transceiver, a receiver, or a linear amplifier (IC-PW1/EURO), is connected to the [REMOTE] jack of your radio.

4-1 COM Port setting

To change the COM Port number setting, connect the radio to the PC and then turn ON the radio power after the driver installation has been completed.

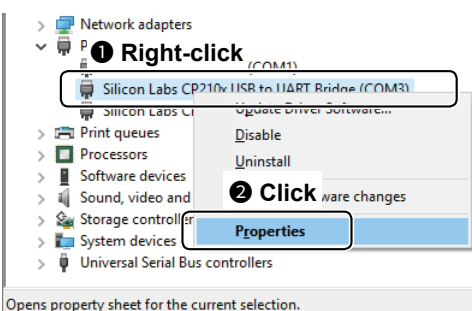
Windows 10

1. Right-click Windows icon, and then click [Device Manager].

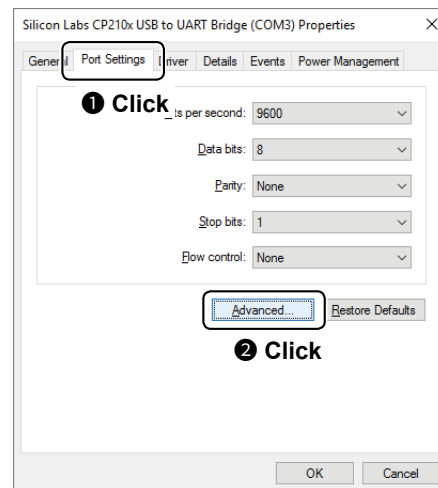


2. Right-click "Silicon Labs CP210x USB to UART Bridge (COM*)" and then click "Properties."

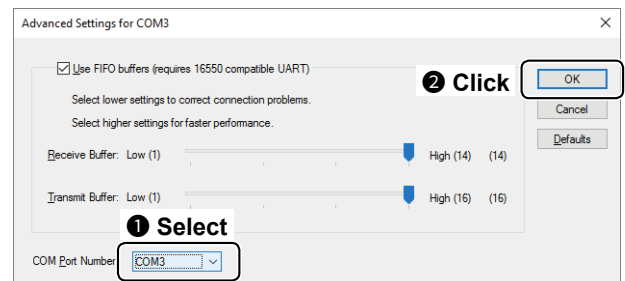
The COM port number is displayed instead of "*".
If the radio has two COM ports, two COM port numbers are displayed.



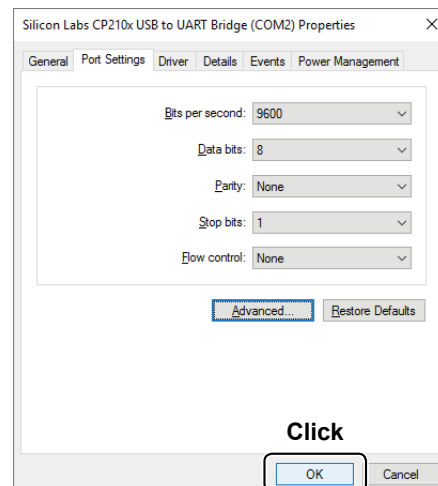
3. Click the [Port Settings] tab, then click <Advanced...>.



4. Select the COM port number, then click <OK>.



5. Click <OK> to close the screen.



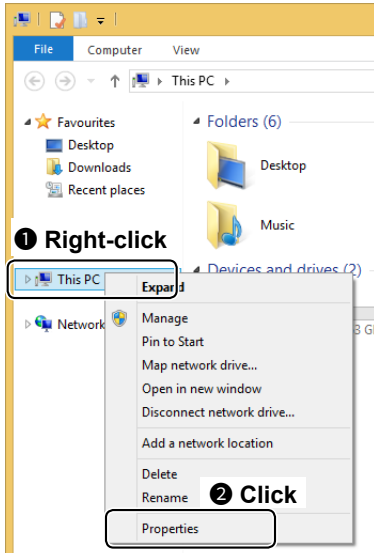
4. FOR YOUR REFERENCE

Windows 8.1

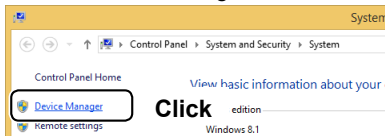
1. Click the folder icon on the taskbar.



2. Right-click "This PC," and then click "Properties."

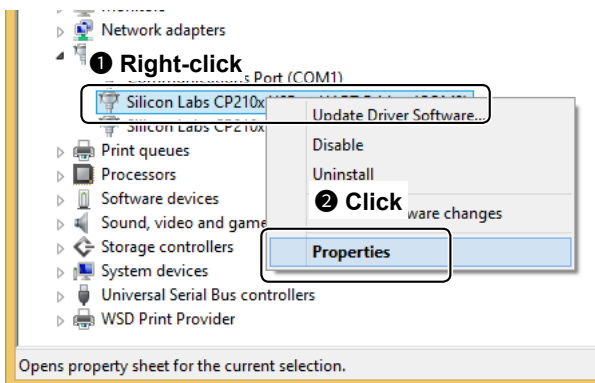


3. Click [Device Manager].
 - The "Device Manager" screen is displayed.

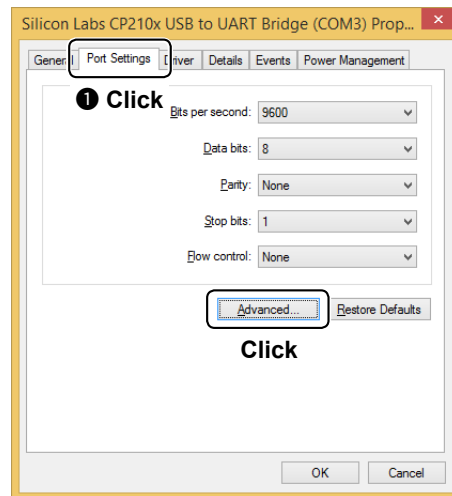


4. Right-click "Silicon Labs CP210x USB to UART Bridge (COM*)" and then click "Properties."

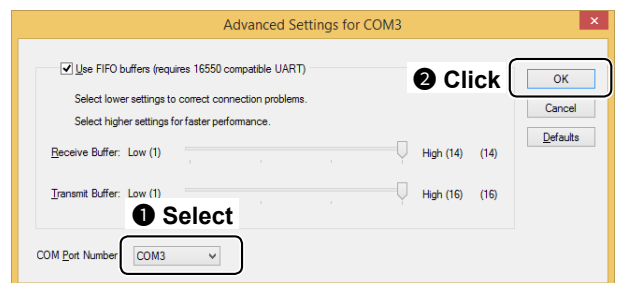
The COM port number is displayed instead of "*".
If the radio has two COM ports, two COM port numbers are displayed.



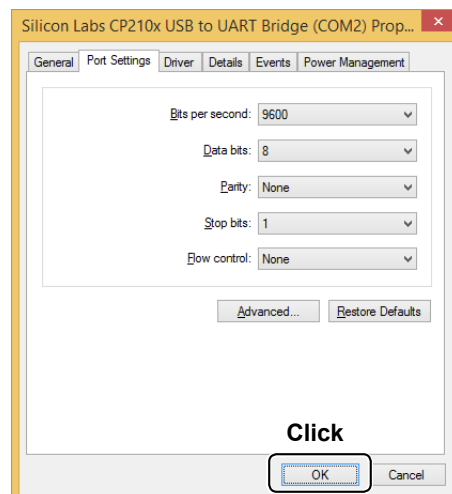
5. Click the [Port Settings] tab, then click <Advanced...>.



6. Select the COM port number, then click <OK>.



7. Click <OK> to close the screen.



4. FOR YOUR REFERENCE

4-2 Uninstalling the driver

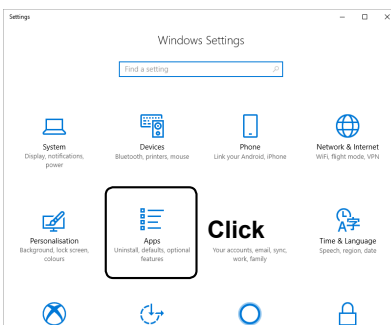
The displayed dialogs or indications may differ slightly from the following instructions, depending on your system version and settings.

Windows 10

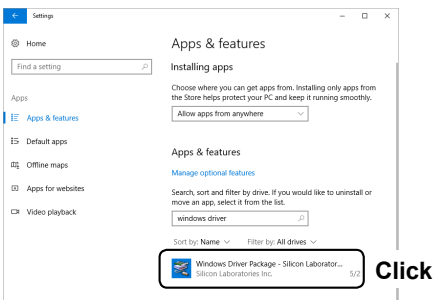
1. Click the Windows icon on the taskbar, then click the Setting icon.



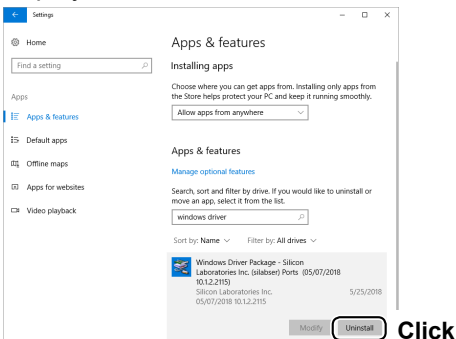
2. Click [Apps].



3. Click “Windows Driver Package - Silicon Laboratories Inc. (silabser) Ports (05/07/2018 10.1.2.2115).”



4. Click <Uninstall>.
 - When the “User Account Control” dialog is displayed, click <Continue>.



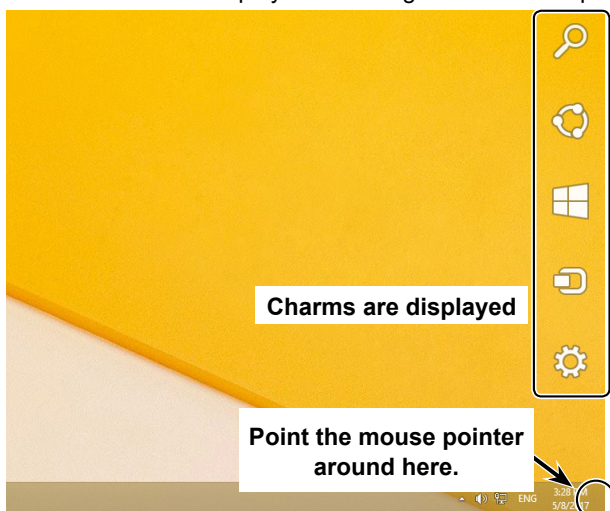
5. Follow the instructions on the screen to uninstall.

4. FOR YOUR REFERENCE

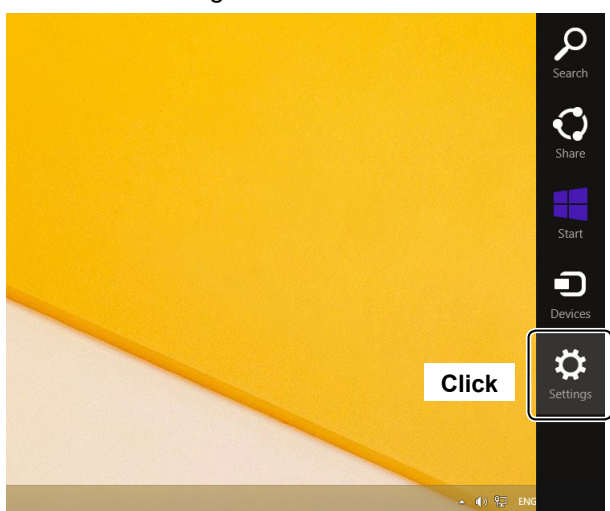
4-2 Uninstalling the driver (Continued)

Windows 8.1

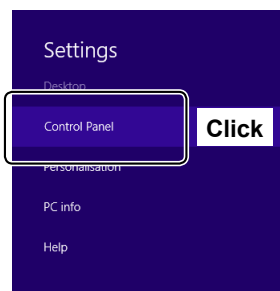
1. Point the mouse pointer around the right-bottom corner of the desktop.
 - The charms are displayed on the right of the desktop.



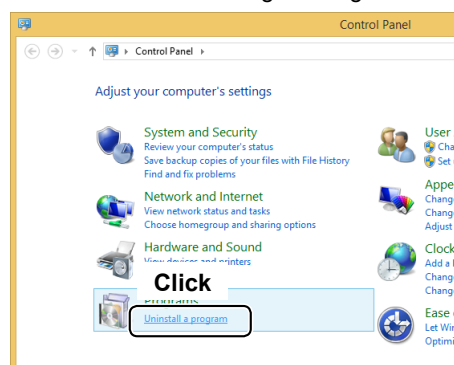
2. Click the “Settings” charm.



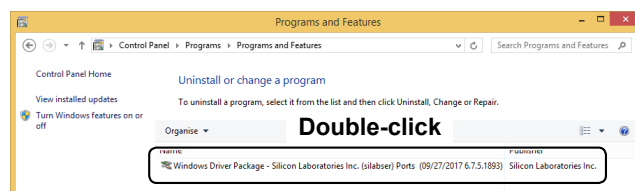
3. Click “Control Panel.”



4. Click “Uninstall a program.”
 - The “Uninstall or Change a Program” menu is displayed.



5. Double-click “Windows Driver Package - Silicon Laboratories Inc. (silabser) Ports (09/27/2017 6.7.5.1893).”
 - When the “User Account Control” dialog is displayed, click <Continue>.



6. Follow the instructions on the screen to uninstall.

4-3 Audio considerations

[Installed audio player] (Windows standard software, and so on.)

For modulation input from the PC, the radio's USB port must be set as the modulation input source connector. You can set the modulation input source connector in the radio's Set mode, or using the CI-V system. See the instruction manual of your radio for details.

If you monitor the received audio through the PC's speaker, or use the audio from the PC's microphone as the modulation input, see the instruction manual of your audio software.