

Read this installation guide and install the USB driver on your PC, before connecting the MA-510TR.

NOTE: If the operating system of your PC is Windows 10, the MA-510TR can be used without this driver installation. In this case, "USB Serial Device" is displayed as a port name. See page 4 for details.

This guide description is based on the following conditions:

- You have already downloaded the latest USB driver from the Icom Download Service website.
https://www.icomjapan.com/support/firmware_driver/
- The operating system of the PC is Windows 10.
 - ① The installation steps or displayed dialog may differ, depending on your operating system.

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1. OVERVIEW

System requirements

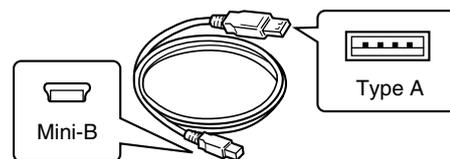
The following hardware and software are required:

PC

- Microsoft® Windows® 10 (32/64 bit)
- Microsoft® Windows® 8.1 (32/64 bit)*
- *Except for the "RT" version.
- A USB 1.1 or 2.0 port

Cable

- A USB cable (User supplied)

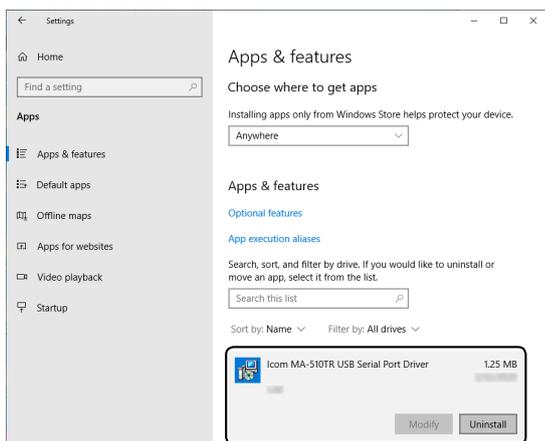


NOTE: Depending on the length of a third-party USB cable, the transponder may not work correctly even if the PC recognizes it. Use a cable as short as possible.

2. PRECAUTIONS

Before installing

- When installing the driver, confirm Windows has completed its startup, and then log in as the administrator.
- Confirm no other application is running.
- If an earlier version “Icom MA-510TR USB Serial Port Driver” is installed, manually uninstall it before installing the latest driver.
See “Uninstalling the driver” on page 6 for details.



- If the operating system of your PC is Windows 10, the MA-510TR can be used without this driver installation. In this case, “USB Serial Device” is displayed as a port name. See page 4 for details.

Before connecting to a PC

- The USB driver does not support the automatic recognition system. **NEVER** connect the USB cable between the transponder and the PC until AFTER the USB driver has been installed. See “Installing the driver” on page 3 for details. Once the driver has been installed, a PC software can be used by just connecting the USB cable.
- Directly connect the transponder to the PC. Icom is not responsible for improper operation when connecting through a USB hub.

After installing

- **When another transponder is connected**
A COM port number is automatically added after turning ON the transponder.

3. INSTALLING THE DRIVER

NOTE:

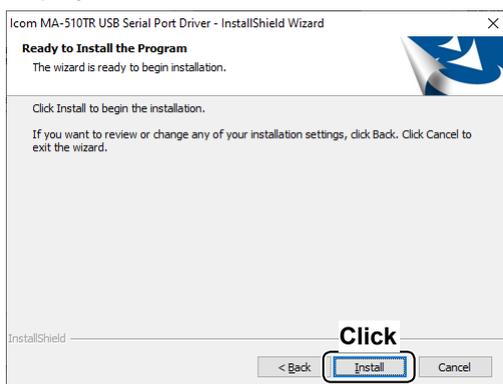
- **NEVER** connect the USB cable between the transponder and the PC until AFTER the USB driver has been installed. Disconnect the cable, if connected, before starting the USB driver installation.
- This USB driver does not support the automatic recognition system.

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

1. Log into the PC as the administrator. Confirm that the transponder and PC are not connected, and no other applications are running.
2. Double-click the USB driver installer in the extracted folder.
 - If you want to install in a 32 bit version OS, double-click "setup32.exe."
 - If you want to install in a 64 bit version OS, double-click "setup64.exe."
- ① When the "User Account Control" dialog is displayed, click <Yes>.
3. When the install window is displayed, click <Next>>.



4. When the "Ready to Install the Program" dialog is displayed, click <Install>.



- ① If the "Windows Security" dialog is displayed, click <Install>.

5. Windows starts installing the driver.
6. After the installation has completed, click <Finish>.

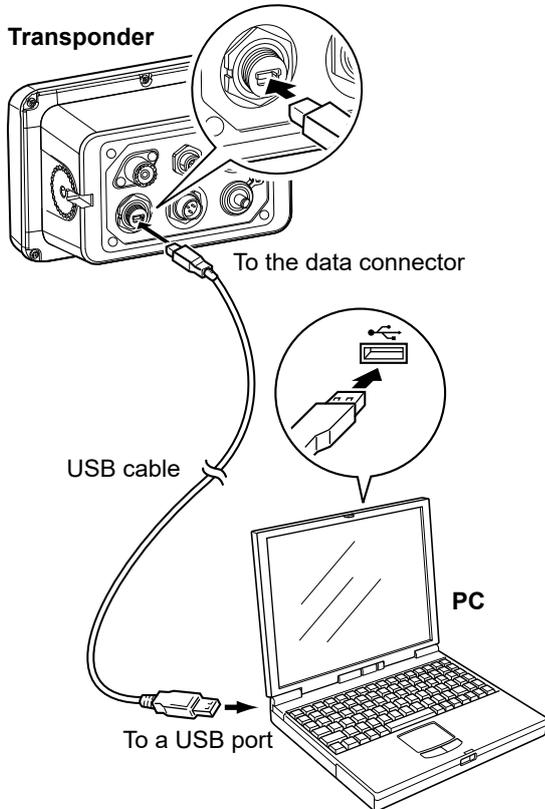


(Continued on the next page)

3. INSTALLING THE DRIVER

7. Confirm the transponder is turned OFF, connect the USB cable between the transponder and the PC, as shown below. Then, turn ON the transponder.

① Confirm the USB cable connector shape.



IMPORTANT: Directly connect the transponder and the PC. Icom is not responsible for improper operation when connecting them through a USB hub.

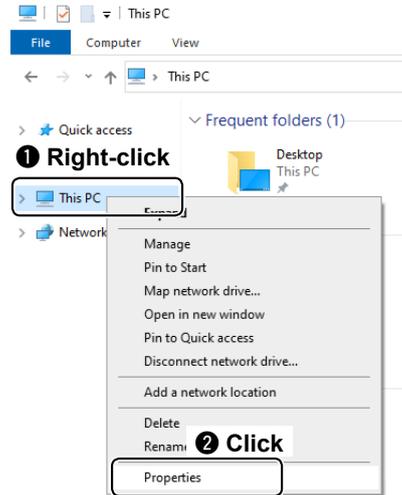
- ① Depending on your system version or setting, you may be prompted to restart the PC. In this case, follow the instructions on the screen.

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

8. Click the folder icon on the taskbar.



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

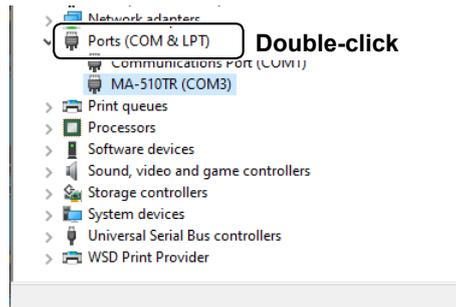


10. Click [Device Manager].

- The "Device Manager" screen is displayed.



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



- When the driver is completely installed, "MA-510TR (COM*)" is displayed. For example, the above screen shows the USB serial COM port number "3."

NOTE:

- The COM port number is displayed instead of "*".
- If the operating system of your PC is Windows 10, and this driver is not installed, "USB Serial Device (COM*)" is displayed instead of "MA-510TR (COM*)."
- The COM port number may differ, depending on your PC environment.
- If "!" or "x" is displayed on the "Device Manager" screen, the driver may not be correctly installed. In such a case, uninstall the USB driver first, and then reinstall it.

4. FOR YOUR REFERENCE

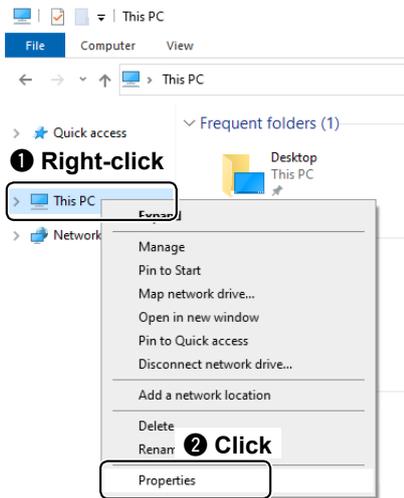
COM Port setting

To change the COM Port number setting after you have installed the USB driver, first connect the transponder to the PC, and then turn ON the transponder.

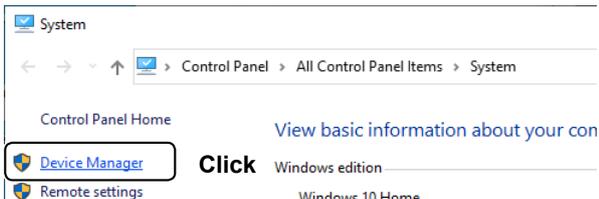
1. Click the folder icon on the taskbar.



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

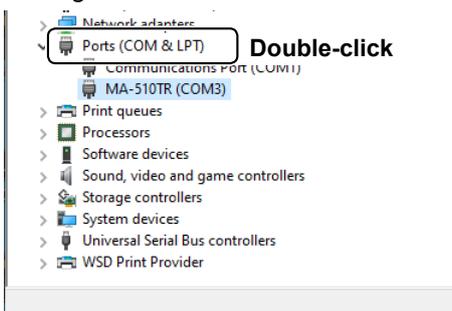


3. Click [Device Manager].



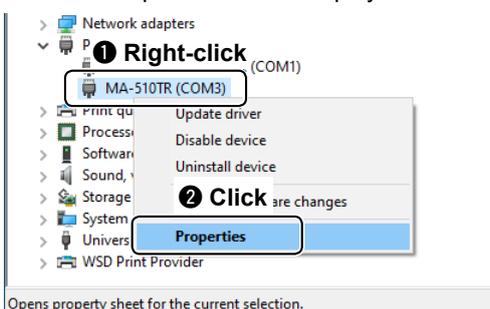
- The "Device Manager" screen is displayed.

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

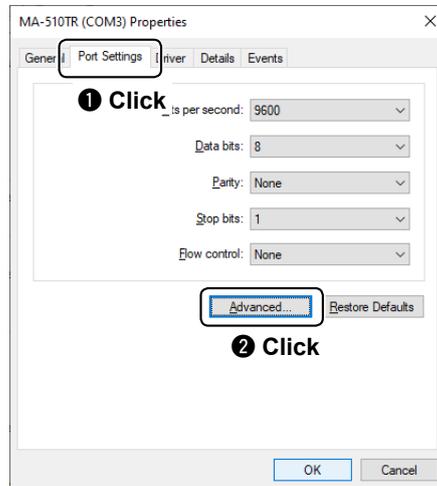


5. Right-click "MA-510TR (COM*)," and then click "Properties."

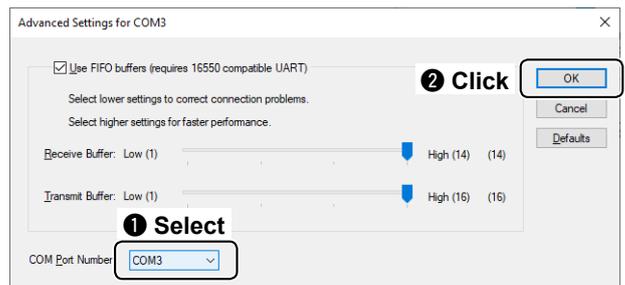
- ① The COM port number is displayed instead of "*."



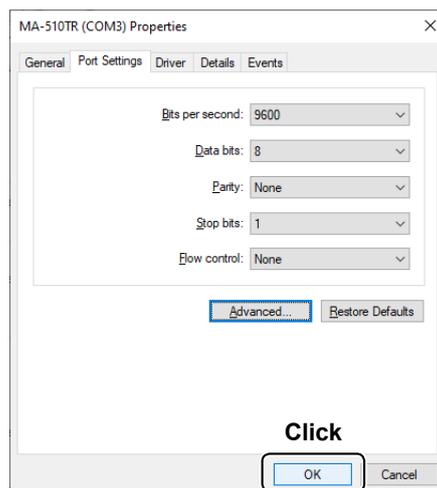
6. Click the [Port Settings] tab, and then click <Advanced...>.



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



8. Click <OK> to close the screen.



4. FOR YOUR REFERENCE

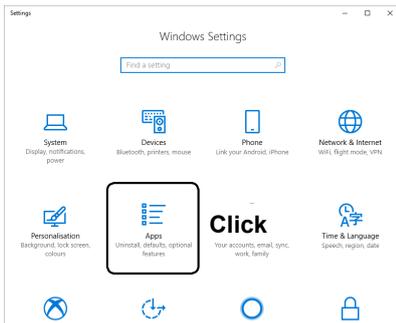
Uninstalling the driver

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

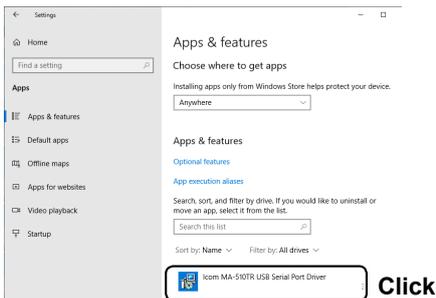
1. Click the Windows icon on the taskbar, and then click the [Setting] icon.



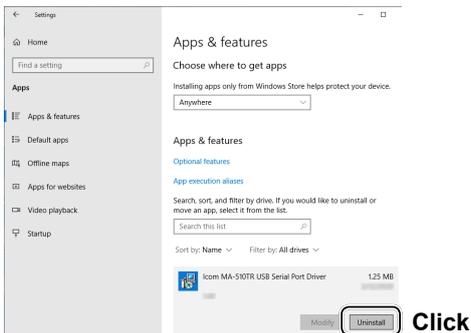
2. Click [Apps].



3. Click "Icom MA-510TR USB Serial Port Driver."



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



5. Follow the instructions on the screen to uninstall.