ICOM

INSTRUCTIONS

CLONING CABLES

OPC–478UC OPC–966U
OPC–1122U OPC–1862
OPC–2338 OPC–2344

Thank you for purchasing one of the OPC-478UC/ OPC-966U/OPC-1122U/OPC-1862/OPC-2338/ OPC-2344 CLONING CABLE. The cloning cables are designed to connect an Icom transceiver/receiver and a PC for data cloning using Icom cloning software.
Please read these instructions thoroughly before using the cloning cable.
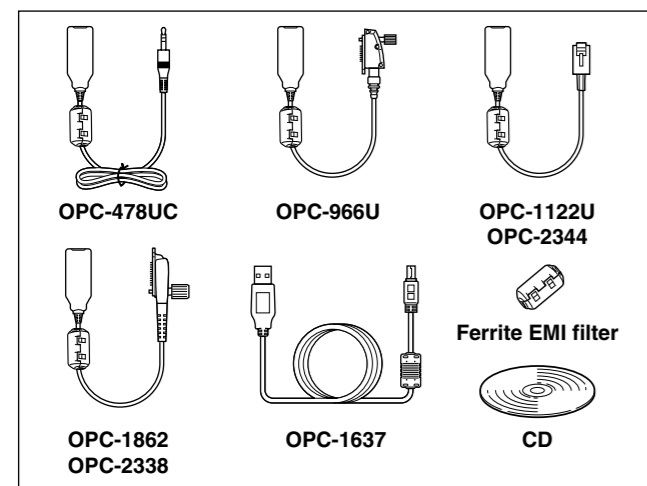
IMPORTANT

READ ALL INSTRUCTIONS carefully and thoroughly before using the cloning cable.

SAVE THESE INSTRUCTIONS! — These instructions contain important safety and operating details for the cloning cable.

EXPLICIT DEFINITIONS

WORD	DEFINITION
CAUTION	Equipment damage may occur.
NOTE	If disregarded, inconvenience only. No risk of personal injury, fire or electric shock.

SUPPLIED ITEMS

OPC-478UC   OPC-966U   OPC-1122U OPC-2344

OPC-1862 OPC-2338   OPC-1637   Ferrite EMI filter   CD

PRECAUTIONS

CAUTION: USE ONLY INDOORS! NEVER expose the data cable to rain, snow or any liquids.

NEVER let metal, wire, or other objects touch any internal part of the connectors.

CAUTION: NEVER use a USB cable other than the OPC-1637. **DO NOT** extend the USB cable. When the cable longer than 1.5 m (4.9 ft) is used, a data error may occur.

DO NOT use harsh solvents such as benzine or alcohol when cleaning, as they will damage the cables.

Ensure that your PC supports USB port operation by confirming the Universal Serial Bus controller is in the PC's Device Manager.

Connect the cloning cable to the PC's USB port directly, or to a self-powered USB hub.

Approximately 20 mA of current is required for the cloning cable. Insufficient current capacity of the USB port can cause unstable cloning operation and a data error.

◇ Cloning software compatibility

The USB type cloning cables, OPC-478UC/OPC-966U/ OPC-1122U, are almost the same as the RS-232C type cloning cables, OPC-478/OPC-966/OPC-1122. Therefore, most of the Icom cloning software which require the RS-232C type cables can be used with USB type cables.

IMPORTANT: Some Icom cloning software can only select ports 1 to 4. When several peripheral equipment, such as a printer, scanner and hard-disk drive are connected to the USB port, the port number available for the cloning software may be port 5 or higher. Therefore, you cannot choose the proper port number.

SPECIFICATIONS

• Usable temperature range:

OPC-2338/OPC-2344	0˚C to +60˚C (+32˚F to +140˚F)
Others	−10˚C to +60˚C (+14˚F to +140˚F)

• Cable length (approximately):

OPC-478UC	520 mm (20.5 inches)
Others	250 mm (9.8 inches)
OPC-1637 (USB cable)	1500 mm (4.9 feet)

• Weight (approximately):

OPC-478UC	40 g (1.4 oz)
OPC-966U	54 g (1.9 oz)
OPC-1122U/OPC-2344	34 g (1.2oz)
OPC-1862/OPC-2338	57 g (2.0 oz)
OPC-1637 (USB cable)	49 g (1.7 oz)

SYSTEM REQUIREMENTS
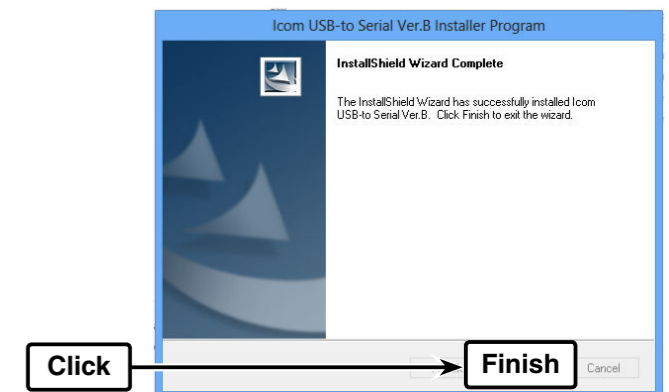
A PC with the following is required:

• Microsoft® Windows® 8.1	32 bit/64 bit
Microsoft® Windows® 8	32 bit/64 bit
Microsoft® Windows® 7	32 bit/64 bit
Microsoft® Windows Vista®	32 bit/64 bit

• A USB 1.1 or 2.0 port

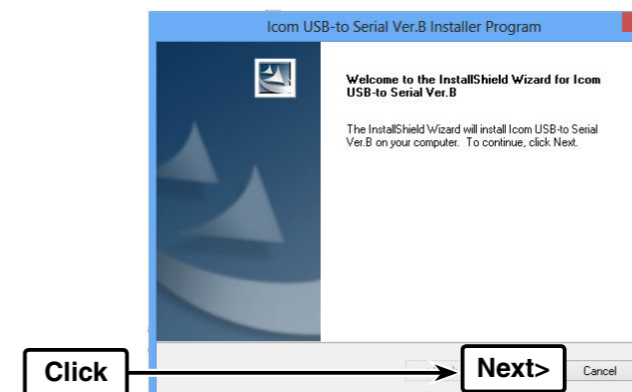The USB driver cannot be used with "RT" versions of Microsoft® Windows® 8.1 and Microsoft® Windows® 8.

USB DRIVER INSTALLATION (STEP 1)

• When installing the USB driver, log in as the **administrator**.
• These instructions are based on using Windows 8.
• The displayed dialog boxes, indications or operations may differ slightly from the following instructions, depending on your operating system, system settings and its service pack level.

① Make sure Windows has completed it's start-up, and no other applications are running.
② Insert the supplied CD into the CD drive.
③ Double click "ICOM USB DriverInstaller_B.exe" contained in the CD.
  • When "User Account Control" appears, click [Yes] to continue.
④ "User Account Control" appears.
  Click "Yes" to start the USB driver installation.
⑤ "Welcome to the InstallShield Wizard for ICOM USB -to serial Ver. B" appears.
  Click [Next >] to begin the installation.
⑥ If "Windows Security" appears, click "Install".

Click ——→ Next> Cancel

⑦ After the installation has completed, "InstallShield Wizard Complete" appears.
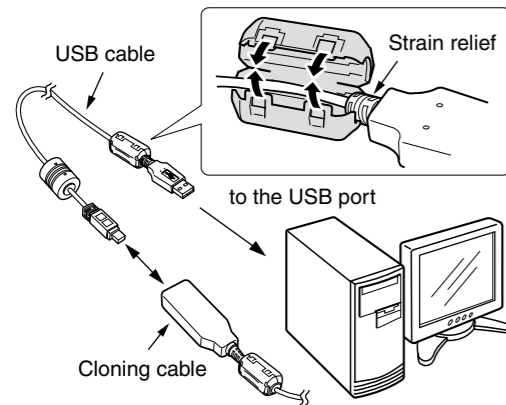 Click [Finish].

Click ——→ Finish Cancel

NOTE:
• After the USB driver installation has been completed (Step 1), connect the cloning cable to the PC (Step 2).

After completing Step 1, connect the cloning cable to the PC, then the PC automatically starts the USB-to-Serial Comm Port installation.
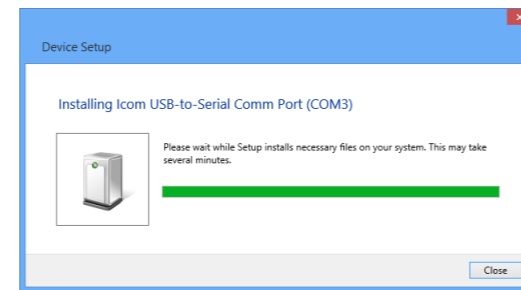
① Connect the cloning cable to the USB cable, and then the USB cable to the PC's USB port, as illustrated below.
• Attach the Ferrite EMI filter to the strain relief of the USB cable.

USB cable
Strain relief
to the USB port
Cloning cable

② The status is displayed at the bottom of the desktop screen.
Wait a moment until it disappears.

Shows the status

For your information: If the status is clicked, the "Installing Icom USB-to-Serial Comm Port (COM✽)" dialog is displayed.
• "✽" is the number of the COM port.

Device Setup

Installing Icom USB-to-Serial Comm Port (COM3)

Please wait while Setup installs necessary files on your system. This may take several minutes.

Close

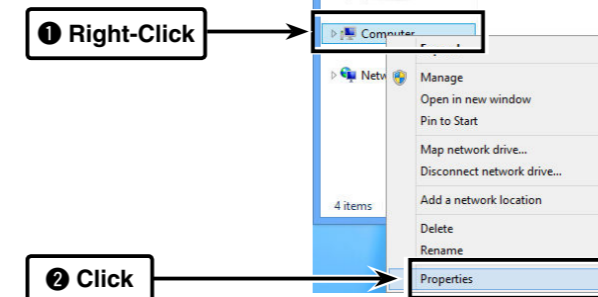③ When the status disappears, the installation is completed.
Rebooting the PC is recommended.

After the driver installation has completed, confirm the driver availability and the port number.
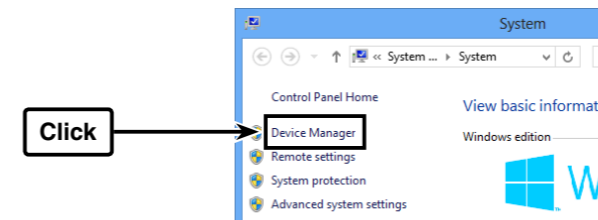The COM port number is used to set communication with the cloning software.

① Select "Desktop" and click the folder icon at the bottom of the screen.
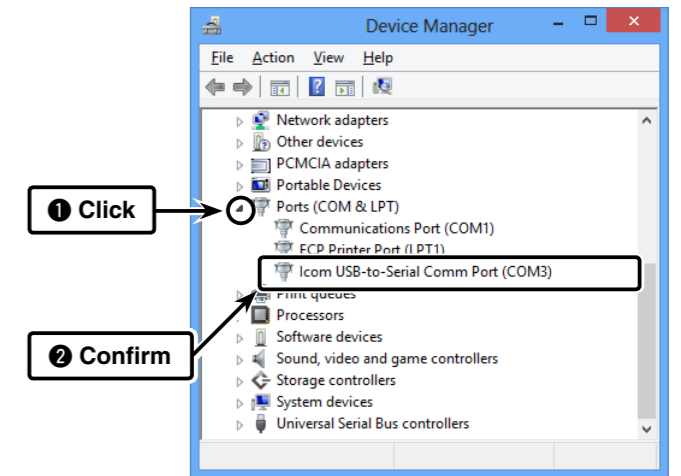• The "Libraries" window is displayed

Click

② Right-Click [Computer], and then click [Properties], as shown below.
• The "System" window appears.

❶ Right-Click → Computer
❷ Click → Properties

Manage
Open in new window
Pin to Start
Map network drive...
Disconnect network drive...
Add a network location
Delete
Rename
Properties

4 items

③ Click [Device Manager].
• "Device Manager" appears.

System

Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings

View basic information
Windows edition

Click

④ Click the "▷" next to "Ports (COM&LPT)."
Confirm "Icom USB-to-Serial Comm Port (COM✽)" is displayed.
• In this example, the COM port number is "3."

Device Manager

File Action View Help

Network adapters
Other devices
PCMCIA adapters
Portable Devices
Ports (COM & LPT)
  Communications Port (COM1)
  ECP Printer Port (LPT1)
  Icom USB-to-Serial Comm Port (COM3)
Print queues
Processors
Software devices
Sound, video and game controllers
Storage controllers
System devices
Universal Serial Bus controllers

❶ Click
❷ Confirm

• If the COM port number is not displayed, or several numbers are displayed at the same time like "Icom USB-to-Serial Comm Port (COM✽)(COM✽)," the driver may not be properly installed. In such case, uninstall the USB driver and install it again.
• You can uninstall the program using the "Uninstall a program" in the Windows Control Panel.