

CLONING CABLES

OPC-478UC **OPC-966U**
OPC-1122U **OPC-1862**

IMPORTANT

READ ALL INSTRUCTIONS carefully and thoroughly before using the OPC-478UC/966U/1122U/1862.

SAVE THESE INSTRUCTIONS!— These instructions contain important safety and operating details for the OPC-478UC/966U/1122U/1862.

PRECAUTION

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

NEVER let metal, wire, etc. touch any internal part of the unit.

Please ensure that the USB port(s) operation is supported by your PC. This can be checked by confirming the Universal Serial Bus controller in the Device Manager. The USB port(s) operation of PC's installed with Microsoft® Windows® 98SE/Me/2000/XP or Microsoft® Windows Vista™ (32 bit) are likely supported, thus operation with the OPC-478UC/966U/1122U/1862 should be possible.

Use the supplied USB cable, OPC-1637, only. DO NOT extend the USB cable. When the cable is extended/used longer than 1.5 m (4.9 ft), a cloning error may occur.

We recommend that you connect the OPC-478UC/966U/1122U/1862 to PC's USB port directly or USB hub with bus-power.

Approximately 20 mA of current capacity is required for the OPC-478UC/966U/1122U/1862. Insufficient current capacity of the USB port can cause unstable cloning operation and a cloning error.

AVOID using chemicals such as benzine and alcohol for cleaning because they can damage the OPC-478UC/966U/1122U/1862.

The USB driver may be updated. When the update is available, we recommend that you access the following URL and download the latest driver, then install it into the PC.

URL: <http://www.icom.co.jp/world/index.html>

Cloning software compatibility

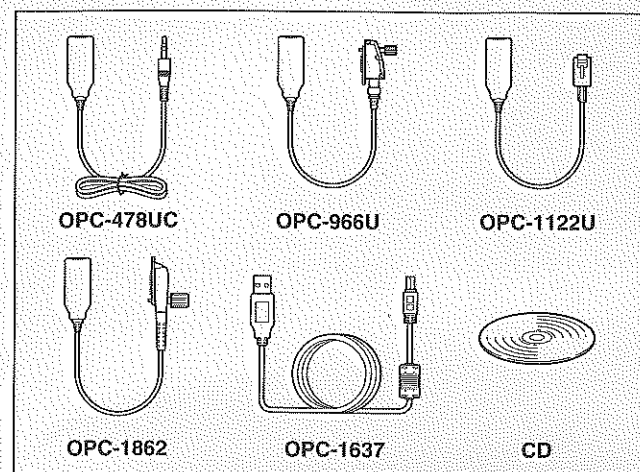
The USB type cloning cable, OPC-478UC/966U/1122U, is almost the same as the OPC-478/966/1122 (RS-232C type), therefore, most of the Icom cloning software which require the OPC-478/966/1122 can be used with the OPC-478UC/966U/1122U.

IMPORTANT!: Some Icom cloning software has only 4 COM port selections. When several peripheral equipment such as printer, scanner and hard-disk drive are connected to the USB port of the PC, the cloning software may not be able to detect the cable connection.

Thank you for purchasing the OPC-478UC/966U/1122U/1862 CLONING CABLE. This cloning cable is 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 OPC-478UC/966U/1122U/1862.

SUPPLIED ITEMS

	Qty.
• OPC-478UC/966U/1122U/1862	1
• OPC-1637 (USB cable)	1
• CD (USB driver software)	1



SPECIFICATIONS

• Usable temp. range	: -10°C to +60°C ; +14°F to +140°F
• Cable length (approx.)	:
OPC-478UC	520 mm ; 20 ¹⁵ / ₃₂ in
OPC-966U	250 mm ; 9 ²⁷ / ₃₂ in
OPC-1122U	250 mm ; 9 ²⁷ / ₃₂ in
OPC-1862	250 mm ; 9 ²⁷ / ₃₂ in
OPC-1637 (USB cable)	1500 mm ; 4.9 ft
• Weight (approx.)	:
OPC-478UC	28 g ; 1.0 oz
OPC-966U	42 g ; 1.5 oz
OPC-1122U	22 g ; 0.8 oz
OPC-1862	45 g ; 1.6 oz
OPC-1637 (USB cable)	72 g ; 2.5 oz

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DRIVER INSTALLATION

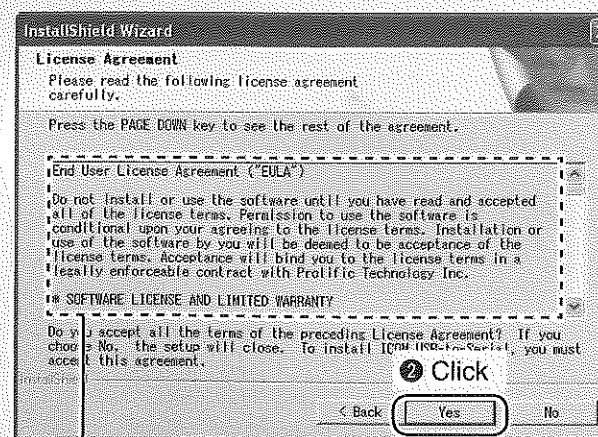
Recommendation!: Install the USB driver before connecting the cloning cable.

When the cloning cable is connected before installing the USB driver, see the back page for USB driver installation details.

- Insert the supplied CD into a CD drive.
- Double click to execute "ICOM USB Driver\Installer.exe" file contained in 'XP_2K_98SE_ME' folder in the CD.
- "Welcome to the InstallShield Wizard for ICOM USB-to-Serial" appears as below. Click [Next >].



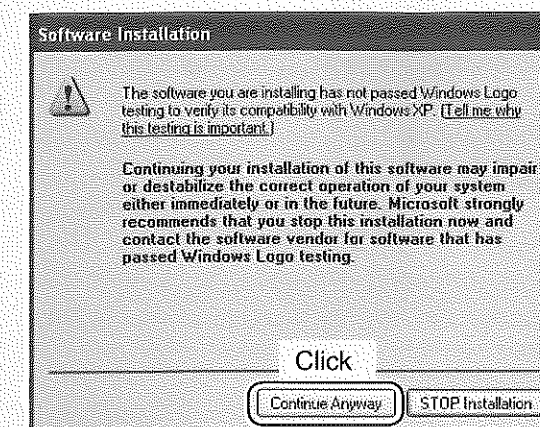
- License agreement screen appears as below. Read the License agreement thoroughly, then click [Yes] if you agree.



- Read the agreement.

- Screen shots of Windows XP are used for instruction example. However, the instructions are similar to other operating systems, Windows 98, Me and 2000.
- When installing into Microsoft® Windows Vista™ PC, please refer to the "Driver installation guide.pdf" file in the CD.

- The dialog as below appears. Click [Continue Anyway] to start the USB driver installation.



- After the installation is completed, "InstallShield Wizard Complete" screen appears as below. Click [Finish].



- Restart the PC.
- Connect the cloning cable to the PC.

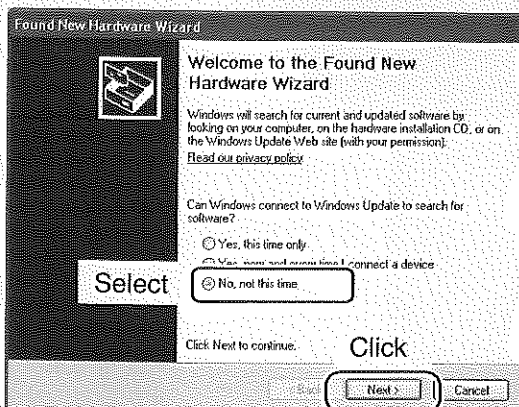
DRIVER INSTALLATION— continued

◆ When the cloning cable is connected to the PC before installing the USB driver

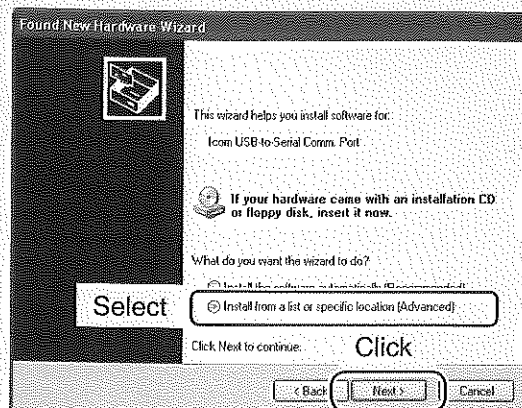
- ① "Welcome to the InstallShield Wizard" appears automatically when the cloning cable is connected. Click [Cancel] at this time.



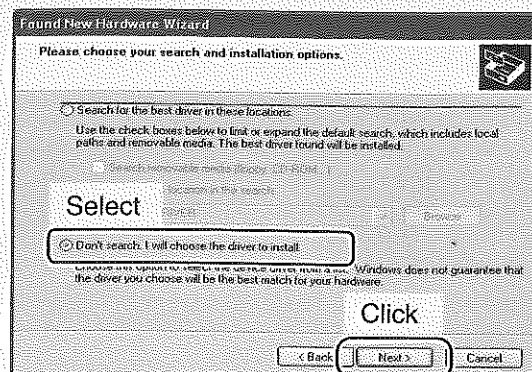
- ② Disconnect the cloning cable from the PC.
③ Install the USB driver as described on the front page.
④ Restart the PC.
⑤ Connect the cloning cable to the PC.
⑥ "Welcome to the InstallShield Wizard" appears as below. Select "No, not this time.", then click [Next>].



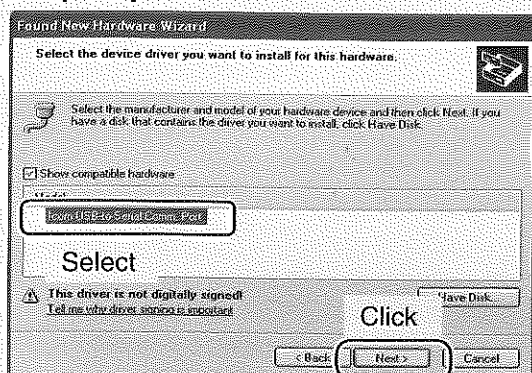
- ⑦ Select "Install from a list or specific location (Advanced)", then click [Next>].



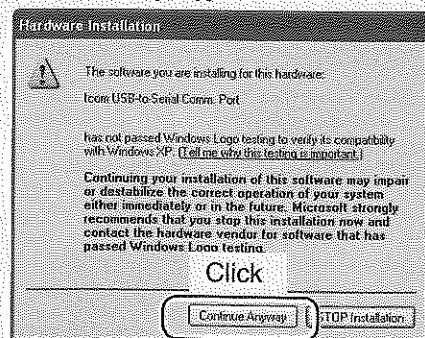
- ⑧ Select "Don't search. I will choose the driver to install.", then click [Next>].



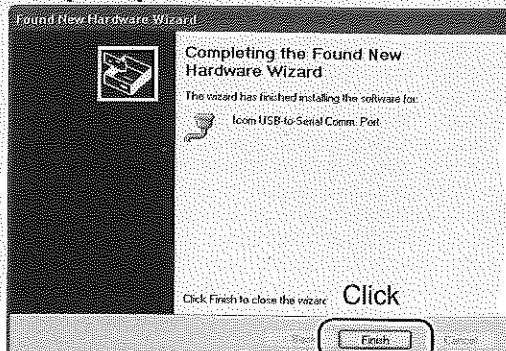
- ⑨ Click and select "Icom USB-to-Serial Comm. Port", then click [Next>].



- ⑩ The dialog as below appears. Click [Continue Anyway] to start the USB driver installation.



- ⑪ After the installation is completed, "InstallShield Wizard Complete" screen appears as below. Click [Finish].

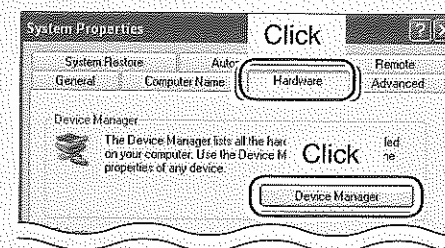


- ⑫ Restart the PC.

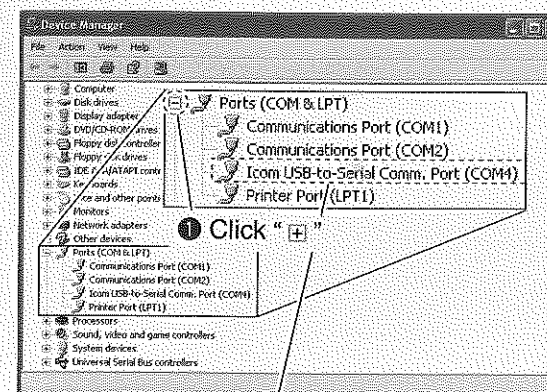
COM PORT CONFIRMATION

We recommend that you confirm the driver availability and the port number after the driver installation is completed. In this section, screen shots of Windows XP are also used for instruction example. However, the instructions are similar to another operating systems, Windows 98, Me and 2000.

- ① Start up Windows.
② Connect the cloning cable to the PC.
③ Right click "My Computer" then select "Properties."
• "My Computer" is available in <Start> menu with Windows XP.
④ "System Properties" screen appears as below. Click [Hardware] tab and then click [Device Manager].



- ⑤ "Device Manager" screen appears. Click "+" of "Ports (COM&LPT)".
⑥ Confirm "Icom USB-to-Serial Comm. Port (COM*)" is displayed.
• If not displayed, or few COM port numbers are displayed at the same time (e.g. "Icom USB-to-Serial Comm. Port (COM*) (COM*)"), the driver may not be installed properly. Uninstall the USB driver, then install it again in such cases.



- ⑦ Check the COM port number.
(In this example, the USB serial port number is "4".)

NOTE: "*" is the COM port number, that is used for the communication setting with the utility software.