

# ICOM

## INSTRUCTIONS

### REMOTE COMMUNICATOR

# RC-FS10

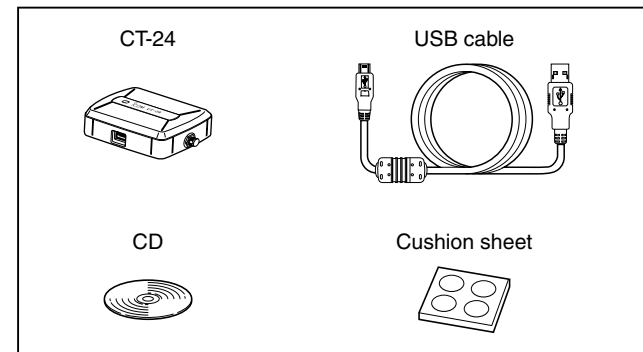
Thank you for purchasing the RC-FS10 REMOTE COMMUNICATOR. The Remote Communicator creates a virtual radio/simple dispatcher control panel on a Windows PC. This allows you to access and communicate with repeaters, and transceivers on your IDAS IP Network. Before installation, please read these instructions carefully.

## FORWORD

### Minimum system requirements

Operating System	Microsoft® Windows® XP SP2 or later (32-bit) Microsoft® Windows Vista® (32-bit)
CPU	Intel Pentium 4 1.6 GHz CPU or better, or equivalent CPU
Memory	512 MB of available memory or more (for Windows XP) 1 GB of available memory or more (for Windows Vista)
HDD	100 MB of available disk space
Audio	DirectSound compatible sound card that covers the frequency response range of up to 20 kHz, with a sampling rate of 48 kHz.
Display Resolution	1024 × 768 pixel or more
Other Hardware	CD-ROM drive 10 Mbps or greater Ethernet interface USB 1.1 or 2.0 port Speaker or headset Microphone

### Supplied items



These Instructions are based on using Windows Vista. The displayed screens, indications or operations may differ slightly from the instructions, depending on your system configuration or Windows operating system.

## PRECAUTIONS

**CAUTION: NEVER** expose the CT-24 to rain, snow or any liquids. This will damage the CT-24.

**DO NOT** use or place the CT-24 in areas with temperatures below 0°C (+32°F) or above +40°C (+104°F).

**DO NOT** use harsh solvents such as benzene or alcohol to clean the CT-24, because they can damage its surfaces.

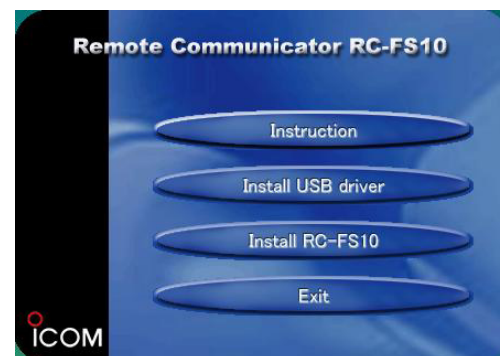
**DO NOT** allow the PC to go into the sleep or standby mode while using the RC-FS10. Otherwise, it might not work properly after the PC resumes normal activity.

**CONNECT** the CT-24 to only the PC or an adequate self-powered USB hub. Otherwise, it may not work properly.

## MENU SCREEN

When the CD is inserted into the CD drive, the menu screen automatically appears.

- If no menu screen appears, double-click the “AutoRun.exe” on the CD.
- To read the instructions on the CD, Adobe® Reader® is required. If you have not installed the reader, please download it from Adobe Systems Incorporated’s website.
- When you want to close the menu screen, click “Exit.”

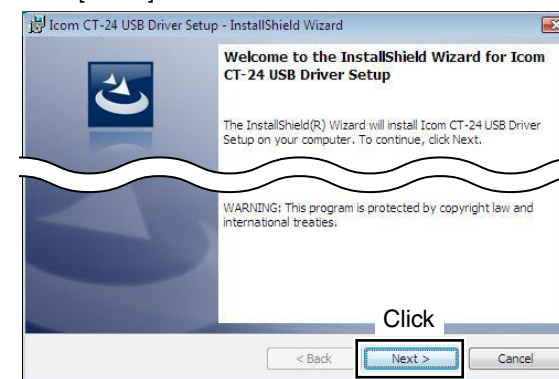


## Step 1: USB DRIVER INSTALLATION

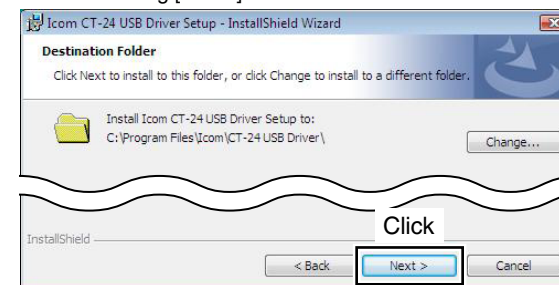
The order in which the screens in steps ⑦ and ⑧ appear may vary, depending on your system configuration or Windows operating system. Simply follow the instructions in the order the screens appear, but complete both **BEFORE** connecting the CT-24 to the PC.

When installing the USB driver, log in as the **administrator**.

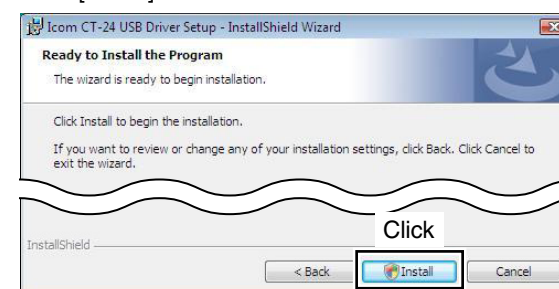
- ① Make sure Windows has completed its start-up, and no other applications are running.
- ② Insert the CD into the CD drive.
- ③ Click “Install USB driver” on the menu screen.  
If “Open File-Security Warning” appears, click [Run].
- ④ “Welcome to USB InstallShield Wizard for Icom CT-24 USB Driver Setup” appears. Click [Next>].



- ⑤ “Destination Folder” appears. Click [Next>].  
If desired, click [Change...] to select another destination folder before clicking [Next>].

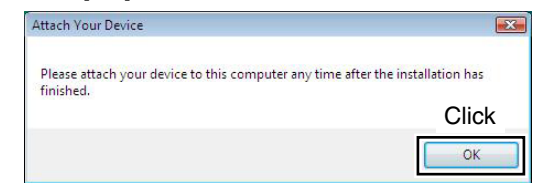


- ⑥ “Ready to Install the Program” appears. Click [Install] to start the installation.



If “User Account Control” appears, click [Allow].  
If “Windows Security” appears, click [Install this driver software anyway].

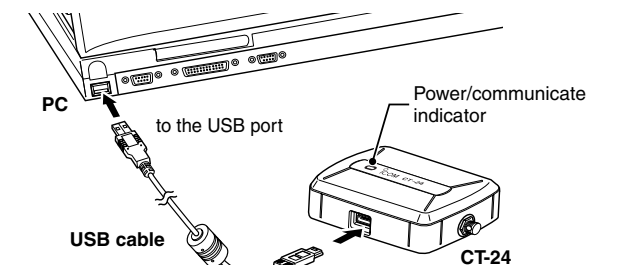
- ⑦ “Attach Your Device” appears. Click [OK].



- ⑧ “InstallShield Wizard Completed” appears. Click [Finish].



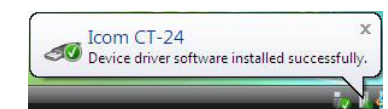
- ⑨ After the InstallShield Wizard is complete, connect the CT-24 to the PC through the USB cable.  
The power/communicate indicator lights green.



- ⑩ After connecting the CT-24, “Installing device driver software” appears.



- ⑪ After “Icom CT-24” appears, the USB driver installation process is complete.

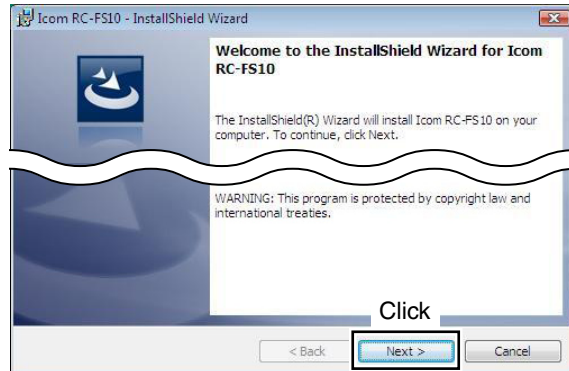


- Restarting the PC may be required, depending on your configuration.
- You can uninstall the USB driver using the “Uninstall a program” in the Windows Control Panel.

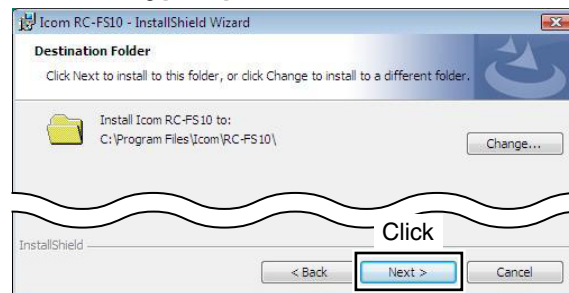
## Step 2: RC-FS10 APPLICATION INSTALLATION

When installing the application, log in as the **administrator**.

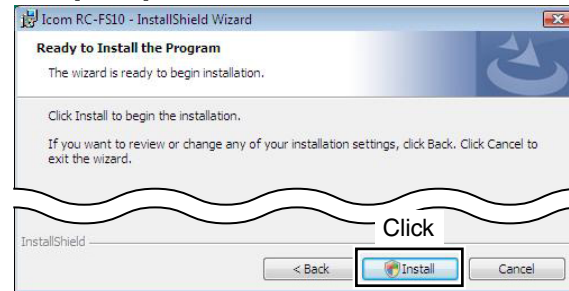
- 1 Make sure Windows has completed its start-up, and no other applications are running.
- 2 Insert the CD into the CD drive.
- 3 Click “Install RC-FS10” on the menu screen.  
If “Open File-Security Warning” appears, click [Run].
- 4 “Welcome to the InstallShield Wizard for Icom RC-FS10” appears.  
Click [Next>].



- 5 “Destination Folder” appears.  
Click [Next>].
  - If desired, click [Change...] to select another destination folder before clicking [Next>].



- 6 “Ready to Install the Program” appears.  
Click [Install] to start the installation.



- If “User Account Control” appears, click [Allow].
- 7 After the installation has been completed, the “InstallShield Wizard Completed” appears.  
Click [Finish].
    - If desired, check the “Launch the program” box to start the application, before clicking [Finish].



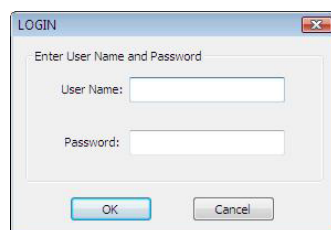
- 8 Eject the CD.
- 9 ‘RC-FS10’ appears in the Icom folder, which is on the program menu, and an ‘RC-FS10’ shortcut icon appears on the desktop.
  - You can uninstall the application using the “Uninstall a program” in the Windows Control Panel.

## Step 3: ACCESSING THE SETTING SCREEN

When first using the RC-FS10, some setup is required.

Connect the CT-24, a speaker or headset, and a microphone before you start the application. Without them, you cannot operate the RC-FS10 properly.

- 1 Select ‘RC-FS10’ in the Icom folder, which is on the program menu, or double click the shortcut icon to start the application.
- 2 Click [Option] in the Top menu, and then select [Setting...] to access the setting screen.
  - Login authentication is required.



- 3 Enter the user name and password, and then click [OK].  
The user name and password are different, depending on the user authority.  
The default settings and the authorities are as shown below.

User authority	Default user name and password	Configurable settings
Super User	super_user	All settings
Power User	power_user	All settings except for Network and IP Command.
User	user	Only ANI settings.

You can change the user name and password in the Common Setting screen.

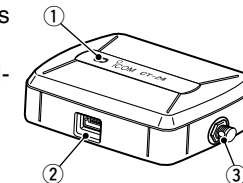
Refer to the Help file of the RC-FS10 for help with the function or setting meanings.  
To open the help file, click [Help] in the Top Menu, and select [Contents].

## INFORMATION FOR CT-24

The CT-24 utilizes an enhanced AMBE+2™ vocoder, and was designed to be used exclusively with the RC-FS10. A separate IDAS license, which is granted with the CT-24, is required for each repeater, even though you can control up to 8 repeaters at one RC-FS10 installation. So when you control more than one repeater, you need to connect the same number of CT-24 units as the number of repeaters at the sites.

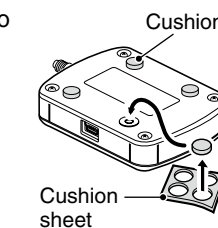
### Panel Description

- 1 **Power/communicate indicator**
  - Lights green when the power is ON.
  - Lights orange during communication.
- 2 **USB port**  
Connects the USB cable.
- 3 **Multi secure holder**
  - To prevent the theft of the CT-24: Secure it to the PC by attaching a security cable through the holder hole.
  - To facilitate carrying: Run a strap through the holder hole.



### Attaching cushions

Attach the 4 adhesive cushions to the bottom panel of the CT-24.



### When disconnecting the CT-24 from the PC

Before disconnecting the CT-24, **BE SURE** to click the “safely remove hardware” icon in the taskbar.

### Specifications

- |                         |   |
|-------------------------|---|
| • Power supply voltage  | : 5 V ±10% (supplied from the PC's USB port)  |
| • Current drain         | : Less than 200 mA  |
| • Interface             | : USB 2.0   |
| • Operating temp. range | : 0°C to 40°C; +32°F to +104°F  |
| • Relative humidity     | : 5% to 95%   |
| • Dimensions            | : 70 (W) × 21 (H) × 50 (D) mm;<br>(Projections not included) 2¾ (W) × 1¾ (H) × 2 (D) inch |
| • Weight (approx.)      | : 44 g; 1.6 oz  |
| • USB cable length      | : 1.5 m; 5 feet (approx.)   |

### Voice Coding Technology

The AMBE+2™ voice coding Technology embodied in this product is protected by intellectual property rights including patent rights, copyrights and trade secrets of Digital Voice Systems, Inc. This voice coding Technology is licensed solely for use within this Communications Equipment. The user of this Technology is explicitly prohibited from attempting to extract, remove, decompile, reverse engineer, or disassemble the Object Code, or in any other way convert the Object Code into a human-readable form. U.S. Patent Nos. #5,870,405, #5,826,222, #5,754,974, #5,701,390, #5,715,365, #5,649,050, #5,630,011, #5,581,656, #5,517,511, #5,491,772, #5,247,579, #5,226,084 and #5,195,166.

## OPTION

### CT-23 PTT MICROPHONE ADAPTER

Allows you to connect an Icom microphone, such as the SM-25, to the PC in your IDAS system. A BC-147 series AC adapter is separately required as the power supply.

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### Icom Inc.

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## FCC INFORMATION

### For CLASS B UNINTENTIONAL RADIATORS

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Count on us!**

A-6782H-1EX Printed in Japan  
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