ICOM
INSTRUCTIONS

IP ADVANCED RADIO SYSTEM
REMOTE COMMUNICATOR

IP100FS

The IP100FS ıp advanced radıo system remote com-munıcator allows you to remotely communicate with WLAN transceivers connected to your IP1000C from a PC through IP networks.

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the IP100FS.

SAVE THESE INSTRUCTIONS — These instructions contain important safety and operating instructions for the IP100FS.

EXPLICIT DEFINITIONS

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

PRECAUTIONS

⚠ **WARNING! NEVER** disassemble, modify or repair the IP100FS USB flash drive. This may result in an electrical shock, cause a fire or damage the drive.

⚠ **WARNING! NEVER** operate or touch the IP100FS USB flash drive with wet hands. This may result in an electrical shock or damage the drive.

CAUTION: DO NOT place the IP100FS USB flash drive in direct sunlight. This could damage the IP100FS drive.

CAUTION: DO NOT use harsh solvents such as ben-zine or alcohol to clean the IP100FS USB flash drive, as they can damage the drive's surfaces. If the USB flash drive becomes dusty or dirty, wipe it clean with a dry, soft cloth.

Always place the IP100FS USB flash drive in a secure place to avoid inadvertent use by children.

OPERATION NOTE

• Ensure that your PC supports USB port(s) operation by confirming the Universal Serial Bus controller is in the PC's Device Manager.
• We recommend that you insert the IP100FS USB flash drive to the PC's USB port. Connecting it through a hub may damage the drive or make it work improperly.
• When operating the PC or external devices, see their in-struction manuals for operational details.

FCC INFORMATION

CAUTION: Any changes or modifications not expressly ap-proved by Icom Inc., could void your authority to operate the equipment under FCC regulations.

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 reason-able 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 ac-cordance with the instructions, may cause harmful interfer-ence to radio communications. However, there is no guaran-tee 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 re-ceiver.
• 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.

INSTALLATION NOTE

The displayed dialogue boxes, indications or opera-tions may differ slightly, depending on your system settings, type of OS and its service pack* level.

* In this leaflet, service pack is written as SP from further on.

1. BEFORE STARTING THE IP100FS

Follow the instructions and install the IP100FS dispatching software. The IP100FS USB flash drive must also be inserted into the PC every time you start up the IP100FS dispatching software.

• To operate the software, refer to the IP100FS Help file.
• Purchase a speaker, headset or a microphone (See options below) to meet your needs.

■ System requirements

(As of January 2015)

◇ **PC**

CPU Clock	Intel® Core™2 Duo Processor E6600/2.40 GHz, equivalent or faster
System memory	2 GB or more
Monitor	Full HD (1920 x 1080) recom-mended At least XGA (1024 x 768)
Sound card	For sounding alarms
Speaker	For sounding alarms
LAN	100BASE-TX or faster

Other:
USB 1.1 or 2.0
Hard disk .... At least 1 GB of free space.

NOTE:
DO NOT install more than 2 LAN cards in the PC.

◇ **Operating System**

Microsoft® Windows® 8.1
Microsoft® Windows® 8
Microsoft® Windows® 7 (SP1 or later)
Microsoft® Windows Vista® (SP2 or later)

• The IP100FS can be used with both 32 and 64 bit ver-sions of the operating systems listed above.
• Except for "RT" versions of Microsoft® Windows® 8.1 or Microsoft® Windows® 8.

■ USB flash drive and its files

The USB drive contains the IP100FS and its installer.

USB flash drive

• "REMOVABLE" and "CD Drive ICOM" windows appear when the USB flash drive is attached to the PC.

DO NOT restart or shutdown the PC with the USB flash drive attached to it. This may be the cause of data loss and malfunctions. **ALWAYS** remove the flash drive from the PC before restarting or shutting down the PC.

■ PC Standby mode

Depending on the PC, the software may not operate properly after returning from the standby mode. If this occurs, turn OFF your PC's standby mode.

■ Options

SM-26*¹
DESKTOP MICROPHONE

CT-23*²
PTT MICROPHONE ADAPTER

HM-152
HAND MICROPHONE
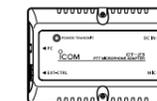
*1 When using with the IP100FS, the MONITOR switch is disabled.
*2 CT-23 is necessary when you connect the SM-26 and the PC.

Note on the CT-23:
• The CT-23 audio communication contains a high pitched tone that most people cannot hear. Howev-er, if you do hear it, lower the PC's audio volume.
• If the booster, amplifier or filtering function is set in the microphone interface of the PC, deactivate them.
• If the microphone's PTT malfunction occurs, adjust the microphone recording level properly.

■ About the firewall setting

The IP100FS communication may be blocked by your firewall.
In that case, a protocol and port numbers listed below should be allowed to pass the firewall.

See your firewall instructions for the correct settings.

Protocol: UDP
Port number:
Source Port Number* → Server Port Number*
Source Port Number* ← Server Port Number*
Source Port Number* ← Dynamic port

* Refer to the port numbers set in the site settings of the IP100FS.
(→ Menu Bar > Option > Setting...)

About the IP100FS Help file:
Please refer to the Help file of the software for assistance with the functions or settings.
To open the Help file, click "Help" in the Menu Bar of the software and select "Help," or simply push the [**F1**] key on the PC's keyboard.

2. INSTALLING THE IP100FS

These Instructions are based on using Windows 7.

1
- Make sure Windows has completed its start-up, and no other applications are running.
- Make sure you are logged in as the administrator.

2 Insert the USB flash drive into the USB port.

To the [USB] Port

USB flash drive

The location of the [USB] port may differ, depending on your PC. Refer to the PC's instruction manual on the USB port for details.
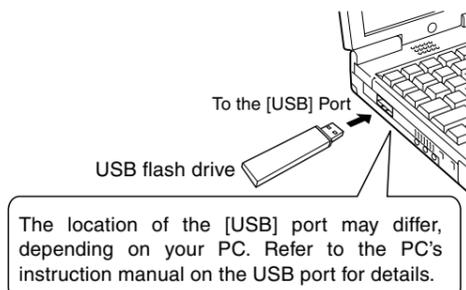
3 Double-click "IP100FS_Setup.exe" in the REMOVABLE drive.

IP100FS_Setup.exe

Double-click
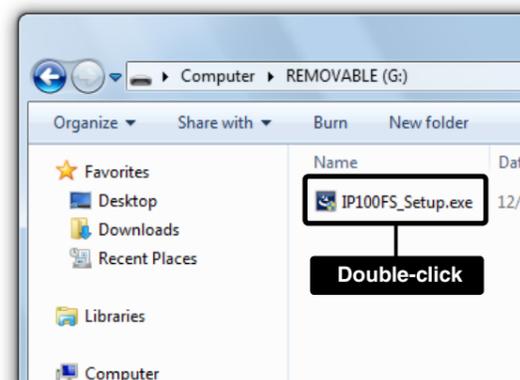
4 If the "User Account Control" window appears, click [Yes] to continue.

5 Click [Next >].

Welcome to the InstallShield Wizard for Icom IP100FS #11

The InstallShield(R) Wizard will install Icom IP100FS #11 on your computer. To continue, click Next.

WARNING: This program is protected by copyright law and international treaties.
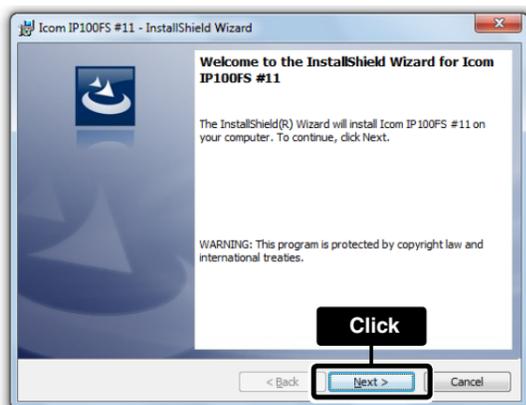
Click

NOTE:
If your PC has already installed the software, the uninstallation or update screen appears.

6 Click [Next >].

Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.

Install Icom IP100FS #11 to:
C:\Program Files\Icom\IP100FS #11\

If you want to install the software in a different location, click [Change...] then select a desired location on the displayed screen.

Click

7 Click [Install].

Ready to Install the Program
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Click

8 Click [Finish].

InstallShield Wizard Completed

The InstallShield Wizard has successfully installed Icom IP100FS #11. Click Finish to exit the wizard.

Click

3. STARTING THE IP100FS

NOTE:
Before starting the IP100FS, connect the speaker, headset or microphone that you are going to use.

1 Click the IP100FS icon in the Start menu.
- You can also start the software by simply double-clicking the IP100FS icon on your desktop.
- If the "User Account Control" window appears, click [Yes] to continue.

2 Click "Option" on the Menu Bar, and then click "Setting...."

3 The IP100FS login window appears.
- The user ID and password listed below are set as default.

Login
Enter User ID and Password
User ID   admin
Password   •••••
Login   Cancel

To log in as the administrator enter:
User ID ....**admin**
Password ....**admin**

4 Set the sites, destinations and so on on the displayed software screen.
- Refer to the IP100FS Help file for more details on the settings.

NOTE on the USB flash drive:
- The USB flash drive must be inserted into the USB port when installing and starting the IP100FS.
- Remove the USB flash drive from the USB port before restarting or shutting down the PC, otherwise you may lose your data, or damage the device.
- Remove the USB flash drive from the USB port after completing the site settings.

FURTHER INFORMATION

◇ Removing the USB flash drive

① Click the <Safely Remove Hardware and Eject Media> icon in the task tray, and then click <Eject REMOVABLE>, as shown below.

Open Devices and Printers
bNAND2 Memory
- Eject CD Drive (F:) ICOM
- Eject REMOVABLE (G:)
12/10/2013
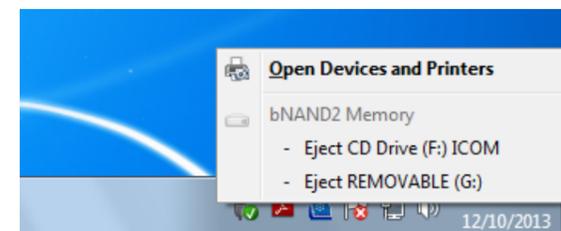
- Refer to your PC's instruction manual if the <Safely Remove Hardware and Eject Media> icon does not appear in your task tray.

② Remove the USB flash drive when the <Safe To Remove Hardware> message is displayed.

◇ Uninstalling the IP100FS

Follow the instructions below to uninstall the IP-100FS.
- Make sure you are logged in as the administrator.
① Click the <Start> button and then click <Control Panel>.
② Click <Uninstall a program>.
③ Right-click <Icom IP100FS #11>, and then click <Uninstall>.
④ Click [Yes] in the uninstallation confirmation dialog.
⑤ If the "User Account Control" dialog appears, click [Yes] to uninstall.

◇ Reinstalling the IP100FS

Once the uninstalling is complete as described above, you can reinstall the IP100FS by following the steps in "2 INSTALLING THE IP100FS."