

# ICOM CONNECTION GUIDE

## IP ADVANCED RADIO SYSTEM CONTROLLER

### IP1000C

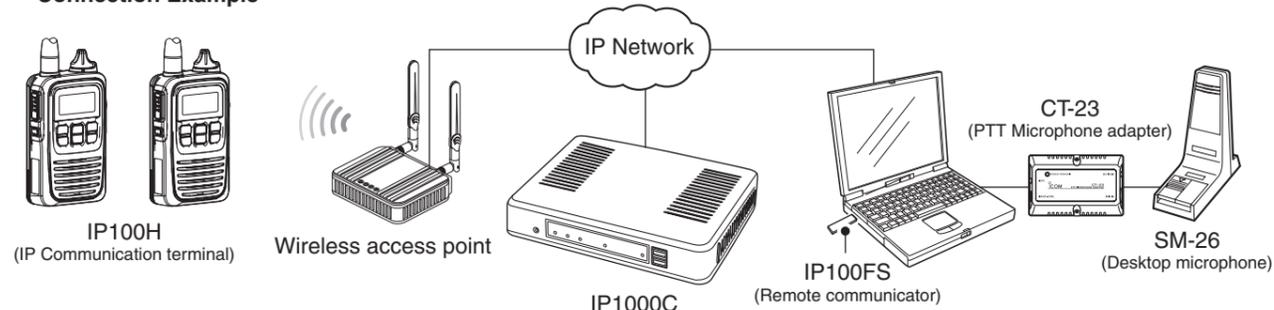
Read the "PRECAUTIONS" leaflet first.

Thank you for purchasing this Icom product. The IP1000C IP ADVANCED RADIO SYSTEM CONTROLLER is designed and built with Icom's IP network technology. We hope you agree with Icom's philosophy of "technology first." Many hours of research and development went into the design of your IP1000C.

## Step 1 Before Operating

The IP1000C and a wireless access point are required to use the IP100H, the IP communication terminal.  
 • Setting is needed for each IP communication terminal.

### Connection Example



IP100FS enables you to remotely communicate with IP communication terminals connected to your IP1000C from a PC through an IP network.

## Step 2 System Requirements

### Supplied Accessories

- AC adaptor..... 1
- Cushion sheet ..... 1
- Ferrite EMI filter..... 1
- Precautions guide
- Connection Guide (This guide)

### Other requirements

- PC
- Ground wire
- LAN cable\*
- Wireless access point (purchase separately)

\*This product is compatible with the automatic discrimination function for the MDI (Straight)/MDI-X (Crossover). Therefore, even if you do not have a HUB, the IP1000C can be connected to the PC using the LAN cable.

### About this Connection Guide:

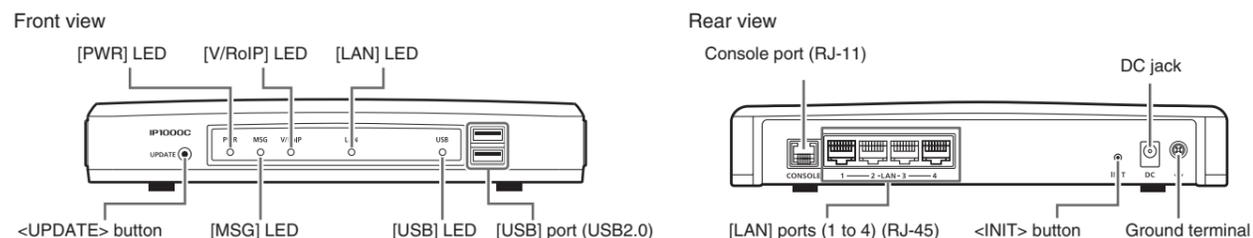
This Connection Guide explains the basic operation of the IP1000C. Access our website to download the IP1000C instruction manual for more details.

Icom website <http://www.icom.co.jp/world/>

### NOTE:

- Adobe® Reader® is required on your PC to read the downloaded instruction manual. (PDF File)
- If your PC does not have Adobe® Reader®, download it from the Adobe® website.

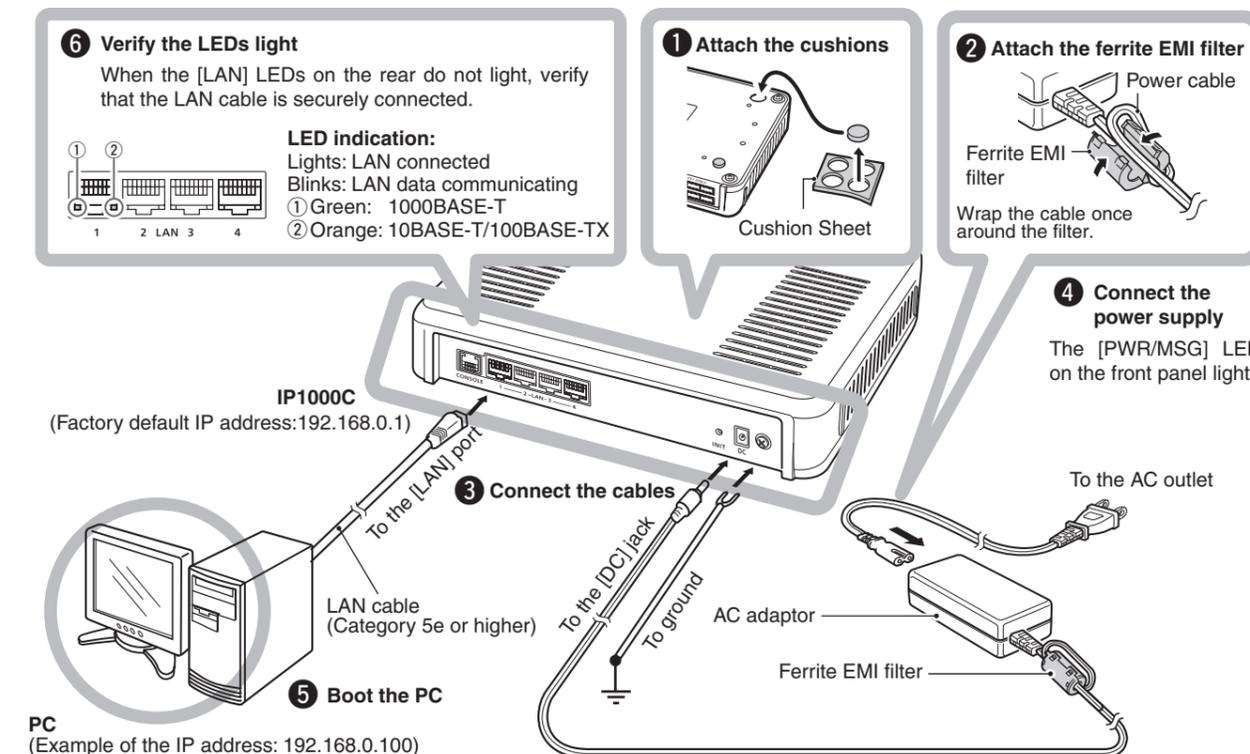
## Step 3 Panel description



## Step 4 Connecting and turning ON the power

Connect the devices to the IP1000C in order of ① to ⑥.

- If the IP1000C is set to factory defaults, you must disconnect your PC from the network before doing ③.



### WARNING!

To prevent electrical shock, television interference (TVI), broadcast interference (BCI) and other problems, ground the IP1000C through the ground terminal. Make the distance between the ground terminal and ground as short as possible. NEVER connect the ground terminal to a gas or electric pipe. This may result in an electrical shock or cause a fire.

### WARNING!

NEVER use other than the specified AC adaptor. This may result in an electrical shock, cause a fire or damage the IP1000C.

### IP address for PC

The IP1000C's IP address is set to "192.168.0.1", and the DHCP server to "Disable". Set a fixed IP address into your PC (Example: 192.168.0.100). See the PC's instruction manual for the setting details.

### About the LED indications

(See the precautions guide for more details on the <INIT> and <UPDATE> buttons.)

LED	PWR	MSG	V/RoIP	LAN**2	USB	
Lights ON	Green	ON	(Online Update) A firmware update is ready	IP communication terminal registered (More than 1 registration)	LAN connected (1000BASE-T) (All connections)	USB port connected
	Orange	Booting	—	—	LAN connected (10BASE-T/100BASE-TX) (More than 1 connection)	—
Blinks	Green	Booting	Initialization in progress/ <INIT> button Green/Orange	—	—	Accessing the USB flash drive Green/Orange
	Orange	Booting	—	—	—	
Lights OFF	OFF	—	—	No registration	Not connected	

\*1 When 1000BASE-T/10BASE-T/100BASE-TX are mixed, the [LAN] LED lights orange.

\*2 The data communication status for each [LAN] port can be checked with the [LAN] LED on the rear panel.

## Step 5 Configuring the network connection

The following procedures (1 to 3) describe how to access the IP1000C setting window using a web browser.

- 1 Open your web browser, then enter the IP address of the IP1000C into the address bar.



\*The default IP address is "http://192.168.0.1/".

- 2 Push [ENTER].
  - The Login Authentication window will appear.

- 3 Enter "admin" (fixed username) and "admin" (default password) in their respective input fields in the Login Authentication window, and then click [OK].



### To prevent unauthorized access

You must be careful when choosing your password, and change it occasionally. See the IP1000C instruction manual for the password setting.

- Choose one that is not easy to guess.
- Use numbers, characters and letters (both lower and upper case).

### About web browsers

We recommend using Microsoft® Internet Explorer® 9 or later versions with the IP1000C. Activate the JavaScript® and set to allow Cookies on your web browser to correctly display the setting window. If other browsers are used, the window may not be correctly displayed.

### About the setting window

- See the IP1000C instruction manual for details.



### 3 Setting window

Displays the settings and values when you click a setting item.

### 4 Setting buttons

Save or cancel settings.

If "Do you want to reboot the system?" is displayed, click the [OK] button.



The IP1000C reboots, and the settings are updated. The following message is displayed while the IP1000C is rebooting.

- If the setting window does not automatically return, click [Back] about 40 seconds after the "Now rebooting." message appears.
- The location and types of the items and the buttons may differ, depending on the window.

### 1 Link to the Icom web site

Click the Icom logo to open the Icom web site if your PC is connected to the Internet.

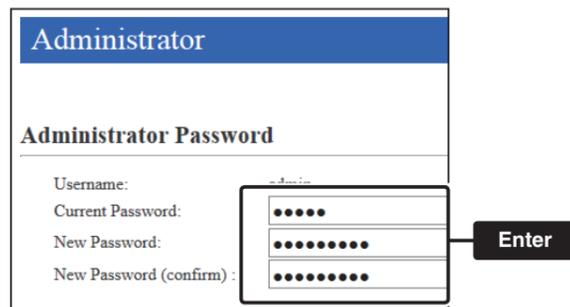
### 2 Setting menu

Displays the window name list. When you click on a name, a list drops down where you select a desired setting item.

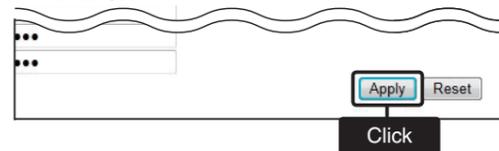
## Step 6 Changing the administrator's password

To prevent unauthorized access, you must change the password.

- 1 Click [Management] menu, then [Administrator].
- 2 Fill out each box to change the password.



- 3 Click [Apply].



\* Enter the new administrator's password from now on.

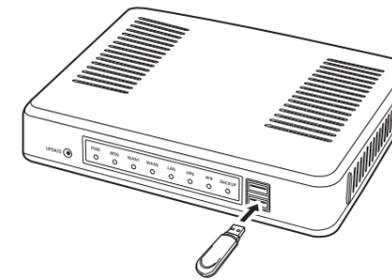
**NOTE:** If you have forgotten your password, you cannot access the IP1000C's setting window.

**When you forgot your password:** Operate the <INIT> button by following the instructions described in the precautions guide. IP1000C will have to be reinitialized with default values.

## Step 7 Automatic setting data load with a USB flash drive

The setting data or firmware can be automatically loaded into the IP1000C from a USB flash drive. It is useful to recover the configuration or to update the firmware.

- The USB flash drive is not supplied. Purchase separately.
- See the IP1000C instruction manual for details.



Securely insert the USB flash drive.

### About the USB flash drive

Interface: USB 2.0 or higher  
Device: USB Mass Storage Class  
Format: FAT16/FAT32  
(Does not support exFAT, NTFS and so on)

Icom is not responsible for all the devices used with the USB flash drive.

### NOTE:

- A USB flash drive such as one with biometric authentication, or one with password protection is not supported.
- Turn OFF the IP1000C's power before inserting or removing the USB flash drive, to prevent data corruption.
- Either one of the USB slots accepts a USB flash drive, but insert only one drive at a time.
- Securely insert the USB flash drive.
- NEVER remove the USB flash drive or turn OFF the IP1000C's power, while transferring data. It will cause data corruption, or damage the USB flash drive.
- After the firmware updating is completed, check the firmware version on the setting window to verify that the update was correctly done.
- When importing setting data from the USB flash drive to the IP1000C, the originally programmed setting data is automatically saved as "bakdata.sav" on the USB flash drive, as a backup.

## Step 8 Network and System default settings

Menu Item	Setting Window	Setting Item	Item Name	Value
Network Settings	IP Address	IP Address	IP Address	192.168.0.1
			Subnet Mask	255.255.255.0
			DHCP Server	Disable
Management	Administrator	Administrator	Username	admin (fixed)
			Current Password:	admin (lower case)
Date and Time	NTP	SNTP Server	NTP Client	Enable
			SNTP Server	Enable
USB	USB	USB	USB Flash Drive	Enable
			USB Access	✓ Firmware Update
			Permission	✓ Backup/Restore
Firmware Update	Automatic Update	Automatic Update	Automatic Update	Enable

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