

Thank you for choosing this Icom product. The RS-MS3W is a software application for Windows, designed for using the DV Gateway function of the Icom D-STAR transceivers. These instructions are made based on using Windows 10.

**READ ALL INSTRUCTIONS** carefully and completely before using this product.

## SYSTEM REQUIREMENTS

The following are required to use the RS-MS3W. (As of July 2024)

### Operating system:

Windows 11 (64 bit)

Windows 10 (32/64 bit)

① Except for Windows on ARM

① This instruction manual is based on RS-MS3W version 1.30 and Windows 10.

Display indications may differ depending on the PC's OS or connecting transceiver.

### USB port:

A USB 1.1 or USB 2.0

**NOTE:** Before using this software application, you must have your call sign registered to the gateway server that has the RS-RP3C installed. Ask the gateway repeater administrator for details.

## COMPATIBLE TRANSCEIVERS AND CABLES

The following transceivers are compatible with the RS-MS3W. (As of July 2024)

Compatible transceiver	Required item
ID-51A (PLUS2)/ID-51E (PLUS2)	OPC-2350LU DATA CABLE
ID-31A PLUS/ID-31E PLUS	
ID-4100A/ID-4100E	
IC-9700	
IC-705*1	USB cable (User supplied)
ID-52A/ID-52E*1	① Confirm your USB cable meets following conditions: - Usable for data transfer and not for charging only. - Fits the transceiver's USB port (Micro-B) and your device's USB port.
	*1The optional OPC-2418 DATA CABLE is usable, if your device has Type-C port.
IC-905	USB cable (User supplied)
ID-50A/ID-50E*2	① Confirm your USB cable meets following conditions: - Usable for data transfer and not for charging only. - Fits the transceiver's USB port (Type-C) and your device's USB port.
ID-52A PLUS/ID-52E PLUS*2	*2The supplied USB cable is usable, if your device has Type-A port.

### NOTE:

- Download the USB driver and the installation guide from the Icom website.  
- When using the OPC-2350LU, enter "OPC-2350LU" into the Search box in the site.  
- When using other cable, enter the transceiver's model name into the Search box in the site.

- See "About the DV Gateway function\*" on the Icom website for connection details.

\* When using the IC-9700, IC-705, or IC-905, see the transceiver's Advanced manual.

**Icom website**

<https://www.icomjapan.com/support/>

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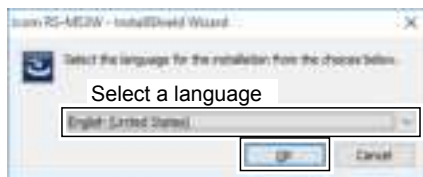
# INSTALLATION

## To install:

- Confirm Windows has completed its startup.
- Sign in as the **administrator**.
- Be sure no other applications are running.

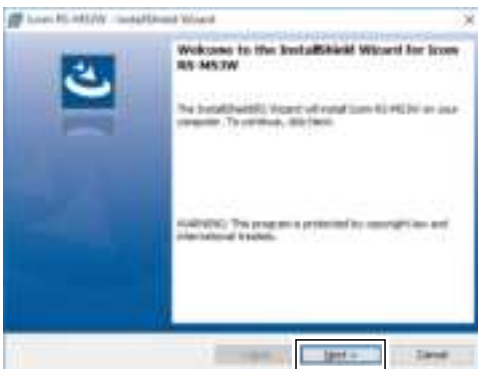
① These instructions are based on using Windows 10.

1. Unzip the file downloaded from the Icom website.  
(<https://www.icomjapan.com/support/>)
2. Double click the executable file in the unzipped folder.  
① When “User Account Control” is displayed, click <Yes> to continue.
3. Select a language, and then click <OK>.



Click

4. Click <Next >>.



Click

5. Click <Next >>.  
① To select another destination folder, click <Change...> before clicking <Next >>.



Click

6. Click <Install>.



Click

7. Click <Finish>.



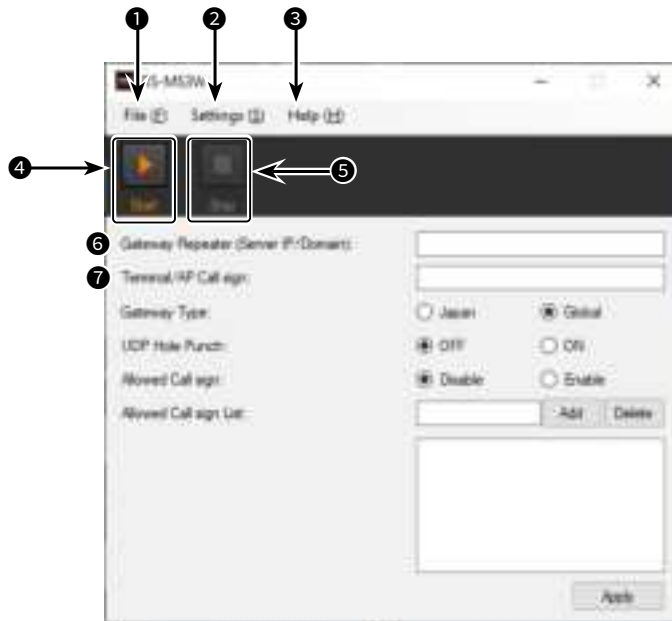
Click

- ① The “RS-MS3W” file is created in the Windows Start menu, and a shortcut icon is created on the desktop.
- ① Double click the icon to open the RS-MS3W.



**NOTE:** To uninstall, use the “Apps & features” in the “System” menu.  
To get started, click on Start > Settings > Apps > Apps & features.

# MAIN SCREEN



## 1 File

Exit(X)

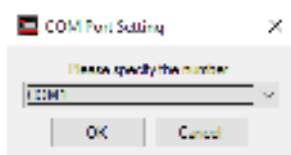
**Exit:** Closes the application.

## 2 Settings

Com Port(P)

**Com Port:** Displays the COM port number that the data communication cable is connected to.

- ① Click "▼" to display the COM ports on a drop-down list.
- ① See the data cable's "Installation Guide" on the Icom website for details on checking the COM port number. (p. 1)



## 3 Help

About(A)

**About:** Opens the information window and displays the version number.



## 4 Start

Click to start the connection to the destination.

## 5 Stop

Click to stop the connection to the destination.

## 6 Gateway Repeater (Server IP/Domain)

Enter the RS-RP3C's gateway repeater address or domain name.

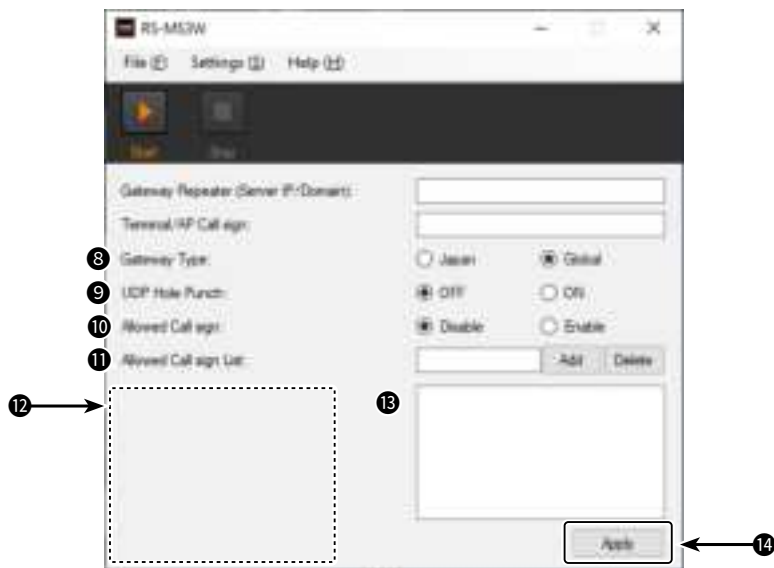
- ① The address consists of up to 64 characters.

**NOTE:** You must have your call sign registered to the gateway server that has the RS-RP3C installed. Ask the gateway repeater administrator for details.

## 7 Terminal/AP Call sign

Enter the Terminal/AP call sign that is registered as the access point on the RS-RP3C's Personal Information screen.

- ① The call sign consists of 8 characters.
  - Enter My Call sign of the connected transceiver.
  - Enter a space for the 7th character.
  - Enter a desired ID suffix between A to Z, except for G, I, and S, for the 8th character.
- ① If the call sign is entered in lowercase letters, the letters are automatically changed to uppercase letters when you click <Apply>.



### ⑧ Gateway Type

Select the gateway type.

- ① Select "Global" when operating outside of Japan.

### ⑨ UDP Hole Punch

Select whether or not to use the UDP Hole Punch function. This function enables you to communicate with other station who uses the Terminal or Access Point mode even if:

- You do not forward port 40000.
- A static or dynamic Global IP address is not assigned to your device.

#### ① Information

- You can receive only a reply.
- You cannot communicate using this function when the destination station uses the software that is not compatible with the UDP Hole Punch function.
- Select "OFF" when:
  - Using the device assigned a static or dynamic IPv4 Global IP address.
  - An IPv4 Global IP address is assigned to the router's WAN port, and port 40000 of the router is forwarded.

### ⑩ Allowed Call sign

Select to use the call sign restriction for the Access Point mode. When 'Enable' is selected, this allows the station of the assigned call sign to transmit through the Internet.

**Disabled:** Allow any call signs to transmit.

**Enabled:** Allow only the call sign displayed in ⑬ to transmit.

- ① When using the Terminal mode, select 'Disabled.'

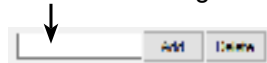
### ⑪ Allowed Call sign List

Enter the call sign of the stations are allowed to transmit through the internet while "Enabled" is selected for ⑩ "Allowed Call sign."

- ① You can add up to 30 call signs.

#### Adding a call sign:

1. Enter the call sign to allow transmitting.



2. Click <Add>.

#### Deleting a call sign:

1. In the call sign field ⑬, click on the call sign to delete.
  - The selected call sign is displayed in the entry field.
2. Click <Delete>.

### ⑫ Call sign information field

Displays the information of call signs that are transmitted from the PC or received from the Internet.

(Example)

```
Network -> Transceiver
(08/17 16:39:07)
RPT2 : 
RPT1 : 
UR : 
MY : 
```

### ⑬ Call sign field

Displays the call signs that are allowed to transmit while "Enabled" is selected for ⑩ "Allowed Call sign."

### ⑭ Apply button

Click to save the entered data or settings.

- ① The button turns red when you have changed the data or settings.
- ① The changes are not saved until you click this button.