

iOS™ APPLICATION RS-MS11

This application is designed for iOS™ devices. With the RS-MS11, you can use the extended D-STAR functions to exchange pictures or messages, or display received D-PRS station data on a map application.

System requirements

The following system is required to use the RS-MS11. (As of July 2021)

- iOS version 12 or later, iPadOS version 13 or later

Information

- The RS-MS11 may not work with some iPhones or iPads, even if they are one of the tested devices.
- The RS-MS11 may not work, depending on the OS version, installed application, and so on.
- These Instructions are based on using RS-MS11 version 1.1.0 and iOS 14.2. Depending on the OS version or setting, the indications or items may differ.
- The screen shots on these Instructions are just examples, so the contents may differ from the actual ones.

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Operating notes

- Bluetooth LE is used to connect with the transceiver, so there may be a time delay between the transceiver's operation and the display on the iPhone or iPad.
- When the device's screen is locked, or the RS-MS11 is in the Background mode, the Bluetooth connection may be canceled.
- When sending or receiving pictures using "FAST mode," the headset audio will be temporarily interrupted because of the transceiver's Bluetooth unit limitations.
- When connecting or disconnecting the transceiver and a Bluetooth Headset, the connection between the transceiver and this application may be disconnected. If Bluetooth disconnects, try to connect again from either the application or the transceiver.
 - ① We recommend disconnecting the Bluetooth Headset from the transceiver before operating this application.
- You may need to connect to the Internet through a Wireless LAN, a 3G network, or an LTE network for some functions.
- The RS-MS11 supports only portrait orientation with the iPhone. It does not support Auto Rotate. However, landscape orientation and Auto Rotate are supported with the iPad.

NOTE: Before using the RS-MS11, set the following items on the transceiver.

- Set the "CI-V Transceive" item to "ON."
 - ID-4100A/ID-4100E/ID-52A/ID-52E:
Function > CI-V > **CI-V Transceive**
 - IC-705:
Connectors > CI-V > **CI-V Transceive**
- Set the "Serial Port Function" item to "CI-V (Echo back OFF)."
 - (Bluetooth Set > Data Device Set > **Serial Port Function**)

Compatible functions

	ID-4100A ID-4100E	ID-52A*¹ ID-52E*¹	IC-705*²
DV Fast Data	✓	✓	✓
DR function	✓	✓	✓
Share Pictures	✓	✓	✓
Text Messaging	✓	✓	✓
Map	✓	✓	✓
Offline Map	N/A	N/A	N/A
RX History	✓	✓	✓
Your Call sign	✓	✓	✓
Repeater list	✓	✓	✓
Transceiver Setting	✓	✓	✓
Application Setting	✓	✓	✓
Import	✓	✓	✓
Export	✓	✓	✓
USB Connection	N/A	N/A	N/A
Bluetooth Connection	Requires UT-137 Bluetooth® UNIT	✓	✓

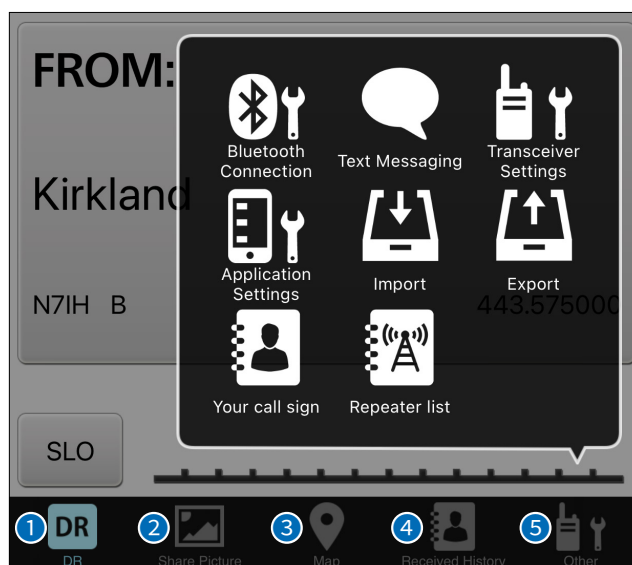
N/A: Not Applicable

*¹ Supported only on RS-MS1I versions 1.1.0 and later.

*² Supported only on RS-MS1I versions 1.2.0 and later.

Menu item description

This section describes the Menu items.



1 [DR] (p. 4)

Sets the DR function's [FROM] and [TO] settings.

2 [Share Pictures] (p. 6)

- Transmits a picture using the data communication function.
 - ① The DV Fast Data function is also usable.
- Displays the received or transmitted pictures.

3 [Map] (p. 6)

- Displays the location of the caller or repeater on a map.
- Sets the [FROM] or [TO] settings from the data displayed on the map.

4 [RX History] (p. 7)

- Displays the received DV call information.
- Goes to the user's information site.

TIP: The DV Fast Data function uses the data and the audio frames to send data approximately 3.5 times faster than the normal speed. While holding down [PTT], audio can also be sent with a picture or message, but only at the normal speed.

5 [Other]

[Bluetooth Connection]

Connects to the transceiver using Bluetooth.

[Text Messaging] (p. 7)

- Transmits messages using the data communication function.
- Displays the received or transmitted messages.

[Transceiver Setting]

Sets certain transceiver's settings.

- ① Not all the transceiver's settings can be set with the RS-MS11.

[Application Setting]

Sets the RS-MS11 settings, such as the display unit of measure.

[Import] (p. 8)

Imports the Repeater List and Your Call Sign Memory.

[Export] (p. 8)

Exports the Repeater List, Your Call Sign Memory, and RX History.

[Your Call sign] (p. 9)

Adds or edits Your (UR) call signs used in the DV mode.

[Repeater list]

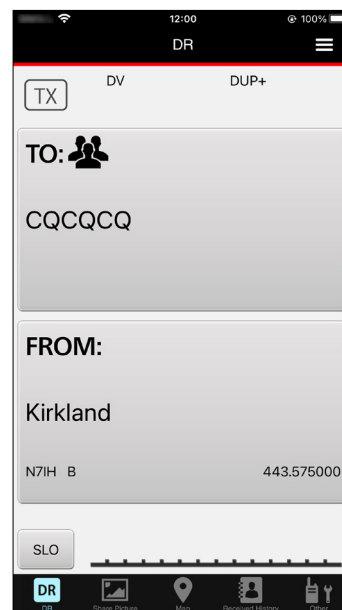
Displays the Repeater List contents.

- ① The Repeater List is not synchronized with the transceiver's list. Before using this application, import the same list as your transceiver. (p. 8)

DR

You can set the [FROM] and [TO] settings for the DR function.

Call signs and other various parameters can be set on this screen.

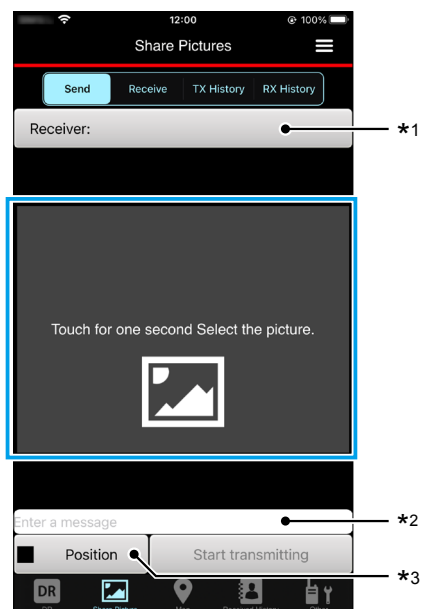


Share Pictures

[Send]

You can transmit a picture that is on your iOS device, through the transceiver.

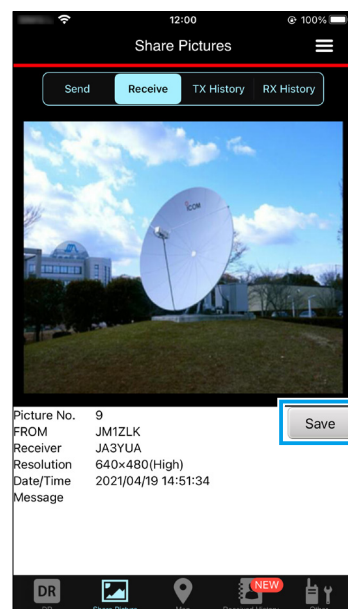
- Touch the screen (in a blue box area shown below) for 1 second to open the “Select the picture” window. Then select an option where the picture you want to send is saved.



[Receive]

Displays the received picture.

- Tap [Save] to save the received picture on the iOS device.
 - ① The picture is automatically saved in the “Photos” application in the iOS device.



- *1 Tap [Receiver], then select a receiver's call sign to let all stations that receive the picture know the picture's target receiver. All stations that receive the signal can see the picture, even if they are not set as the receiver.
- *2 You can transmit the message entered on this field.
- *3 To send position data, tap [Position], then select an option to enter the position data.

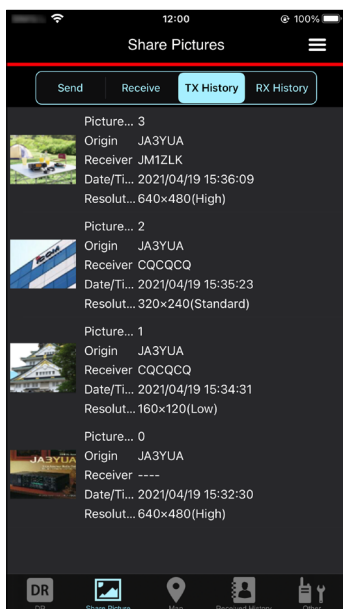
[TX History]

Displays the transmitted picture list.

Up to 500 pictures can be saved.

When you transmit the 501st picture, the oldest picture will automatically be deleted.

- Tap a picture to retransmit it from TX History.
- Swipe a picture to the left to delete it from TX History.



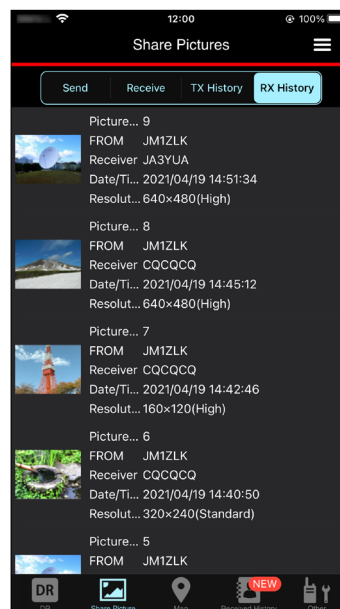
[RX History]

Displays the received picture list.

Up to 500 pictures can be saved.

When you receive the 501st picture, the oldest picture will automatically be deleted.

- Tap a picture to save it.
- Swipe a picture to the left to delete it from RX History.



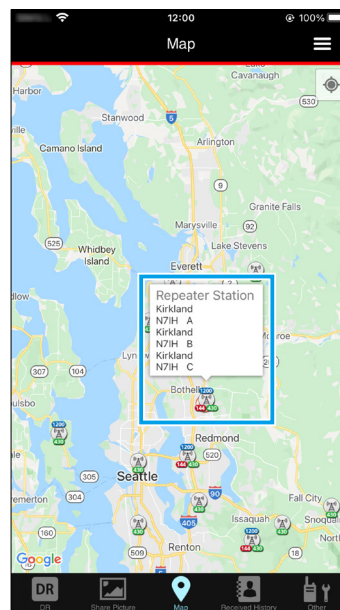
Map

The map screen displays the location of your (MY) station, the DV repeater, FM repeater, or a caller, with an icon, if the repeater or the caller's signal contains position data.

- Tap the icon to display the information window.
- Tap the information window to set [FROM] or [TO] for the DR function.

TIP: When you import the repeater list, update the repeaters on the map:

1. Tap the Menu button on the upper right of the screen, and then tap "DV Repeater station OFF" or "FM Repeater station OFF."
2. After loading, tap the Menu button again, and then tap "DV Repeater station ON" or "FM Repeater station ON."



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RX History

View the Received History list.

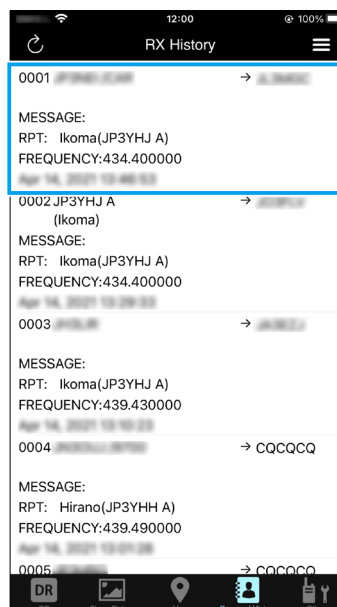
Up to 10000 records can be saved.

When you receive the 10001st DV call, the oldest record will be automatically deleted.

- Tap a record to display the detail information.

① Information

- The RX History is automatically saved in the RS-MS1I, in the “csv” format.
- You can export the RX History to your PC using iTunes. (p. 9)
- You can search or delete an RX History entry by tapping the Menu button that is on the upper right of the screen.



Text Messaging

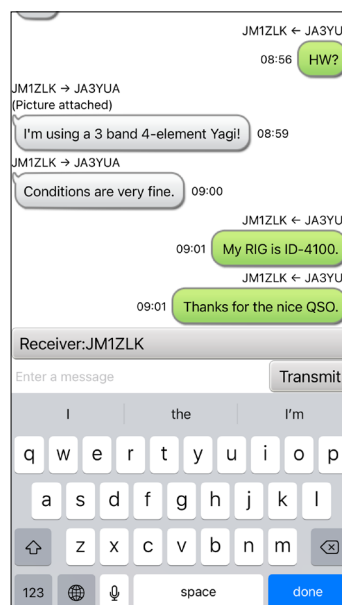
You can transmit messages from the transceiver.

After transmitting, the message is displayed on the right side of the display.

If you set “Receiver,” the name of the receiver is displayed instead of “----.”

After receiving, it is displayed on the left side of the display.

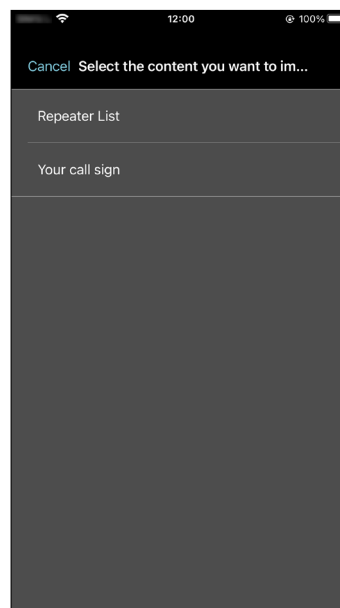
- ① “(Picture attached)” is displayed under the call sign when a picture is transmitted with the message.



Import

You can import the Repeater List or Your Call Sign Memory in the “csv” format.

- ① You can download the latest repeater list from the Icom website by tapping “Repeater List,” and then “Download from Internet.”
- ① You can import the repeater list from your PC using iTunes. (p. 9)



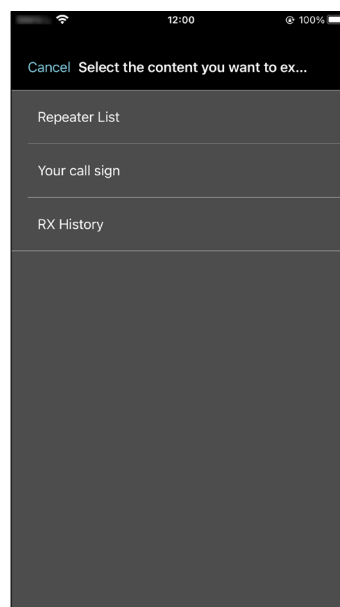
Export

You can export the Repeater List, Your Call Sign Memory or RX History.

- ① The exported file is automatically saved in the RS-MS11.
- ① You can export the files to your PC using iTunes.

The files names are automatically created in the format shown below.

- Your Call Sign: YourCallSignList_date.csv
 - Repeater list: RepeaterList_date.csv
 - RX History: RXHistoryList_date.csv
- ① The RX History is automatically saved as a log in the RS-MS11.



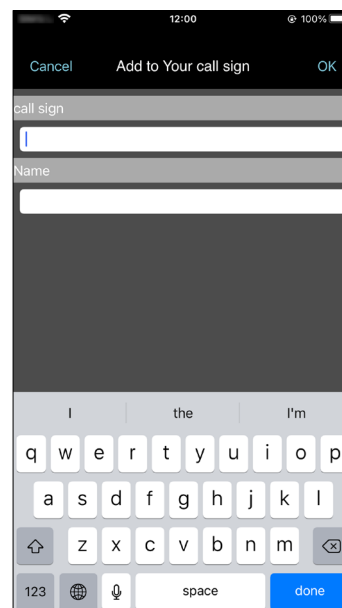
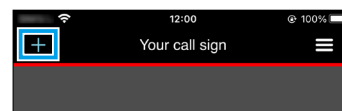
Your Call sign

View the Your (UR) call sign list.

You can enter up to 500 Your (UR) call signs.

- Tap “+” to display the “Add to Your call sign” window.

- ① When you add the 501st call sign, a warning message is displayed. In that case, delete an already-entered call sign, and then try again.



Operating tip

You can import or export files between your PC and the applications on your iOS device using the File Sharing function of iTunes.

- ① See the Apple Inc.'s website about installation and system requirements.
See the iTunes Help file about the File Sharing function and device synchronization.

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