

PICTURE UTILITY SOFTWARE

ST-4001A
ST-4001I

This application is used to crop an image used for the Share Picture function of a D-STAR transceiver, and transfer images to the transceiver.

- Photos taken, or photos/images saved on the device can be converted into the format used for the Share Picture function of the D-STAR transceiver.
- You can crop the image and enter text such as a call sign.
- The cropped image can be transferred through a network or Bluetooth® to a D-STAR transceiver.
- You can also save the cropped image as a file.

System requirements

The following system is required to use the application. (As of February 2023)

For the ST-4001A:

- Android version 5.0 or later
 - ① The ST-4001A has been tested with Android 5.x.x, 6.x.x, 7.x.x, 8.x, 9.0, and 10.0.
 - ① The main screen can only be displayed on a vertical screen.
 - ① This Instruction document is based on using Android 7.0, and ST-4001A version 1.10.
- Bluetooth function on the Android™ device, to transfer a picture to the transceiver through Bluetooth

For the ST-4001I:

- iOS version 12 or later, iPadOS version 13 or later
 - ① The ST-4001I has been tested with iOS 12 and 13, and iPadOS 13.
 - ① This Instruction document is based on using iOS 12.3.2, and ST-4001I version 1.1.0.
- Bluetooth function on the iOS device, to transfer a picture to the transceiver through Bluetooth

Disclaimer

- The application may not work properly, depending on the OS version, installed applications, or other reasons.
- Depending on the OS version or settings, the indications or items may differ.
- The screen shots on these Instructions are just examples, so the contents may differ from the actual ones.

To transfer a picture to the transceiver

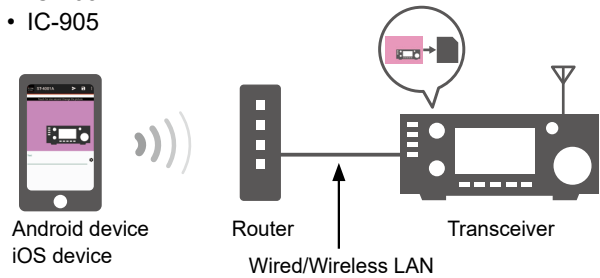
With this application, you can transfer a picture to the transceiver through a LAN or Bluetooth. The transferred picture is saved on the SD card or microSD card that is inserted into the transceiver.

To use this function:

- To transfer a a picture through a LAN, connect your mobile device and a transceiver to the same LAN.
- Insert an SD card or microSD card to the transceiver.

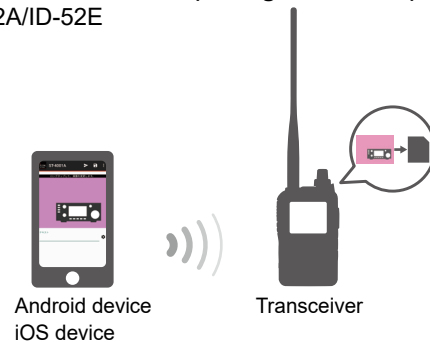
Compatible transceiver (through a LAN)

- IC-9700 with firmware version 1.20 or later
- IC-705
- IC-905



Compatible transceiver (through Bluetooth)

- ID-52A/ID-52E



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 D-STAR (Digital Smart Technology for Amateur Radio) is a digital radio protocol developed by JARL (Japan Amateur Radio League).

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 Refer to the “About the Licenses” page at the end of this manual for information on the open source software being used in this product.

About the licenses (ST-4001I)

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Find and download the application

Android device:

1. Touch "Play Store."
2. Enter "ST-4001A" in the search field.
3. Touch "🔍."
 - "ST-4001A" will be displayed as the search result.
 - ① You may need to enter "ST-4001A" as a complete word to get the search result.
 - ① If your Android device does not support the ST-4001A, "ST-4001A" may not appear as the search result.
4. Touch "ST-4001A."
 - Displays the introduction screen of the ST-4001A.
5. Touch <INSTALL>.
 - Installation starts.
 - After the installation is finished, the ST-4001A icon is displayed on the screen.

iOS device:

1. Touch "App Store."
2. Touch "🔍."
3. Enter "ST-4001I" in the search field.
 - "ST-4001I" will be displayed as the search result.
 - ① You may need to enter "ST-4001I" as a complete word to get the search result.
 - ① If your iOS device does not support the ST-4001I, "ST-4001I" may not appear as the search result.
4. Touch "ST-4001I."
5. Touch <GET>.
 - Installation starts.
 - After the installation is finished, the ST-4001I icon is displayed on the screen.

Operating screen (ST-4001A)

Main screen

Transfers the picture to the transceiver. (p. 5)

Saves the picture.

1 Transfer Settings
2 Update Font List
3 Security Policy
4 Legal Notices

Touch for 1 second to display the Select Picture window. Select where the picture you want to edit is stored.

5 Align Bottom Right
6 Font Default
7 Size 96
8 Color
9 Bold
10 Italic
11 Outline 12
12 Outline Color

Enter the text you want to add to the picture.

Crop screen

Goes back the previous screen.

Rotates 90 degrees to the right. (Clockwise)

Flip horizontally
Flip vertically

Crops the picture.

Set the frame around the portion that will be cropped by dragging the anchors on the corners.

1 Transfer Settings

Select the transfer way and destination.

2 Update Font List

Updates the font list though the Internet.

3 Security Policy

Displays the security policy.

4 Legal Notices

Displays the information on the open-source software being used in this application.

5 Align

Select the display position of the text.

6 Font

Select the font.

① You can use the font registered in Google Fonts. The selected font is downloaded though the Internet. If you update the font list, touch "Update Font List" (2) on the Menu list.

7 Size

Select the font size of the text.

8 Color

Select the text color.

9 Bold

Select whether or not to make the text bold.

① You may not be able to select bold, depending on the font.

10 Italic

Select whether or not to make the text italic.

① You may not be able to select italic, depending on the font.

11 Outline

Select the outline width of the text.

12 Outline Color

Select the outline color of the text.

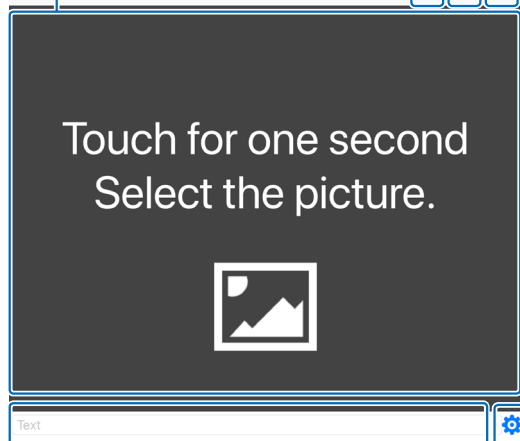
Operating screen (ST-4001I)

Main screen

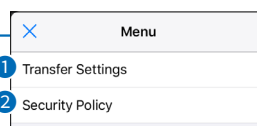
Touch for 1 second to display the Select Picture window. Select where the picture you want to edit is stored.

Saves the picture, or sends the picture to another application.

Transfers the picture to the transceiver. (p. 5)

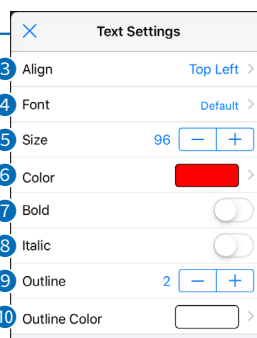


Enter the text you want to add to the picture.



1 Transfer Settings
Select the transfer way and destination.

2 Security Policy
Displays the security policy.



3 Align
Select the display position of the text.

4 Font
Select the font.
① You can use the font that is installed in your device.
① The top or bottom of some characters may be cut off, depending on the font.

5 Size
Select the font size of the text.

6 Color
Select the text color.

7 Bold
Select whether or not to make the text bold.
① You may not be able to select bold, depending on the font.

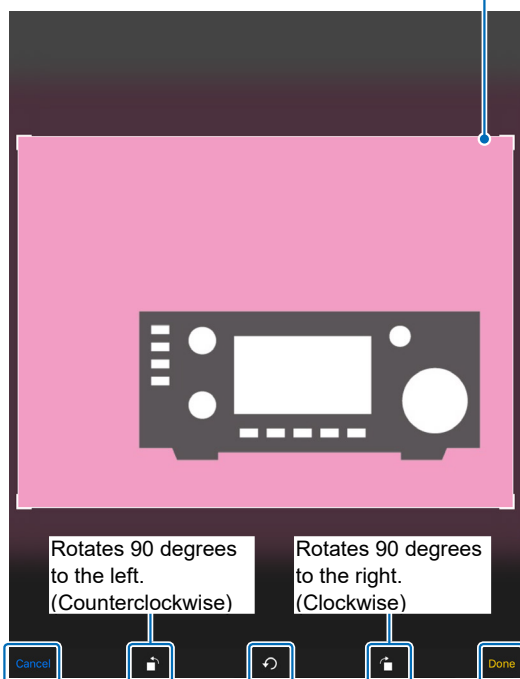
8 Italic
Select whether or not to make the text italic.
① You may not be able to select italic, depending on the font.

9 Outline
Select the outline width of the text.

10 Outline Color
Select the outline color of the text.

Crop screen

Set the frame around the portion that will be cropped by dragging the anchors on the corners.



Rotates 90 degrees to the left. (Counterclockwise)

Rotates 90 degrees to the right. (Clockwise)

Returns the frame to the initial position.

Goes back the previous screen.
① On the landscape screen, touch to go back the previous screen.

Crops the picture.
① On the landscape screen, touch to crop the picture.

Operation

Cropping a picture

1. Touch the black area for 1 second.
 - The Select Picture screen is displayed.
2. Select where the picture you want to edit is stored.
 - The Crop screen is displayed.
3. Set the frame around the portion that will be cropped by dragging the anchors on the corners.
4. Touch "CROP" (ST-4001A) or "Done" (✔) (ST-4001I).

Adding a text to the picture

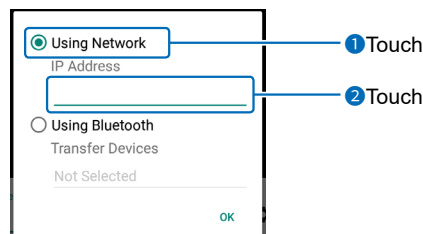
1. Enter a text.
2. Touch ⚙️.
3. Set the text font, size, color, and so on.
 - ① See page 3 (ST-4001A), or page 4 (ST-4001I) about each item.

Saving the picture on the mobile device

1. Touch 📁 (ST-4001A) or 📄 (ST-4001I).
 - The Select a Destination screen is displayed.
2. Select the destination to save the picture.
 - ① If you change the file name, enter one of up to 23 characters.
 - ① You can also send the picture to another application. (For only ST-4001I).
3. Touch "SAVE." (For only ST-4001A)

Transferring the picture to the transceiver through a LAN

1. Touch the Menu icon.
2. Touch "Transfer Settings."
3. Touch "Using Network," and then touch "IP Address."



4. Enter the transceiver's IP address.
 - ① See the transceiver's manual about how to check its IP address.
5. Touch "OK."
6. Touch ➡️.
7. Operate the transceiver following to a displayed dialog.
 - While transferring, 🔄 (ST-4001A) or 📶 (ST-4001I) is displayed on the mobile device.
 - ① To cancel transfer, touch ✖️ (ST-4001A) or "Cancel" (ST-4001I) on the mobile device.

TIP: About IP address

An IP address is a numerical label that is assigned to devices participating in a LAN. When the transceiver's DHCP setting is set to ON, the DHCP server assigns a dynamic IP address to your transceiver. Therefore, the mobile device has to match the IP address each time you transfer a picture to the transceiver.

NOTE:

If you cannot transfer the picture, check the following:

On the transceiver

- The transceiver is turned ON.
 - ① You cannot transfer the picture if the transceiver is in the Standby mode.
- The transceiver and mobile device are connected to the same LAN.
- The transceiver's firmware is the latest version.
- An SD card or microSD card is inserted into the transceiver.
- The transceiver is in a normal operating mode.
 - ① The transceiver cannot receive the picture in special modes, such as the firmware update mode, clone mode, setting save mode, import or export mode, or touch screen calibration mode.
- Operate the transceiver following the displayed dialog.

On the mobile device

- The transceiver's correct IP address is entered in Transfer Settings.

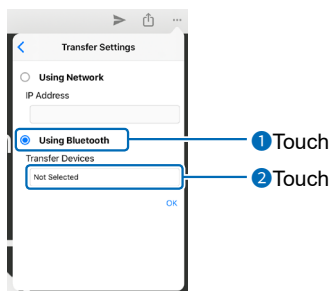
Connecting your device to the transceiver through Bluetooth

Before connecting to the transceiver, you must pair with it.

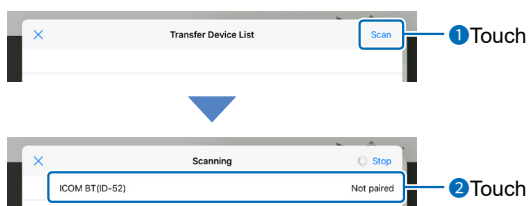
When using an Android device, see the Advanced manual about pairing with the transceiver.

When using an iOS device, do the following steps.

1. Turn ON the Bluetooth function with your iOS device.
 - ① See the instruction manual of the iOS device for details.
2. Touch the ST-4001I icon to start.
3. On the transceiver, turn ON the Bluetooth function, and enter the Pairing Reception mode in the MENU screen.
 - (Bluetooth Set > <<Pairing Reception>>)
 - ① See the transceiver's manual for details.
4. On the ST-4001I, touch the Menu icon.
5. Touch "Transfer Settings."
6. Touch "Using Bluetooth," and then touch "Transfer Devices."



7. Touch "Scan," and then select the destination transceiver.

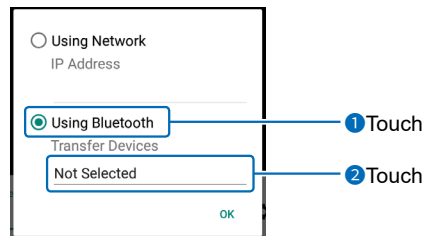






- ① See the transceiver's manual about how to check the transceiver Bluetooth unit's name.

8. Touch "OK."
 - The iOS device starts to send a pairing request.
 - After the pairing has succeeded, "Pairing is complete." is displayed.

Transferring the picture to the transceiver through Bluetooth

1. Touch the Menu icon.
2. Touch "Transfer Settings."
3. Touch "Using Bluetooth," and then touch "Transfer Devices."



4. Select the destination transceiver.
 - ① See the transceiver's manual about how to check the transceiver Bluetooth unit's name.
5. Touch "OK."
6. Touch .
7. Select the picture size.
 - While transferring,  (ST-4001A) or  (ST-4001I) is displayed on the mobile device.
 - ① To cancel transfer, touch  (ST-4001A) or "Cancel" (ST-4001I) on the mobile device.

NOTE:

If you cannot transfer the picture, check the following:

On the transceiver

- The transceiver is turned ON.
- The Bluetooth function is turned ON.
- The transceiver's firmware is the latest version.
- A microSD card is inserted into the transceiver.
- The transceiver is in a normal operating mode.
 - ① The transceiver cannot receive the picture in special modes, such as the firmware update mode, clone mode, setting save mode, or import or export mode.
- Operate the transceiver following the displayed dialog.

On the mobile device

- The Bluetooth function is turned ON.
- The destination transceiver is correctly set in Transfer Settings.

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Android-Image-Cropper

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Version 2.0, January 2004
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