# ICOM

## INSTRUCTIONS

APPLICATION SOFTWARE
# ST–ID50A

This application is used to crop an image used for the Share Picture function of the ID-50A/ID-50E transceiver, transfer images to the transceiver, and view the received image.
• 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 to a D-STAR transceiver.
• You can load and view the received image.
• You can also save the cropped image as a file.

## System requirements

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

**Android device:**
Confirm your USB cable meets following conditions:
- Android 8.0 or later is installed
  The ST-ID50A has been tested with Android 8.x, 9, 10, 11, 12, and 13.
ⓘ This Instruction document is based on using Android 11, and the ST-ID50A version 1.00.
- Compatible with the USB host (USB OTG) function

**NOTE:**
• The application may not be usable, even if your device is compatible with the USB host function.
• Some functions may not work correctly:
  - Depending on other applications installed in the Android device.
  - Depending on the memory capacity.

**USB cable (User supplied):**
Confirm your USB cable meets following conditions:
- Fits the transceiver's USB port (Type-C) and your device's USB port (Micro-B/Type-C)
  ⓘ A shorter cable is preferable, as the longer one may be unable to transfer the data.
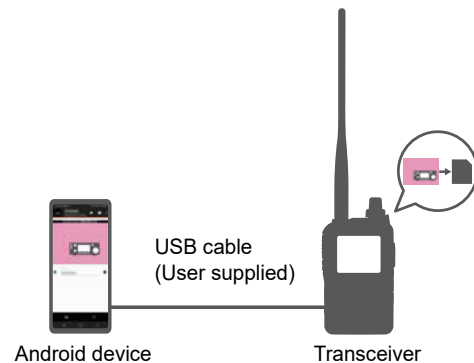- The cable compatible with the USB host function.

**Disclaimer:**
• The application may not work properly, depending on the OS version, installed applications, or other reasons.
• The indications or items may differ, depending on the OS version or settings.
• The screenshots on these Instructions are just examples, so the contents may differ from the actual ones.

**TIP:** The USB host (USB OTG) function enables using a USB device with an Android device. To check the compatibility of your Android device with the USB host function, ask the Android device's manufacturer.

**To transfer a picture to the transceiver:**
With this application, you can transfer a picture to the transceiver through a USB cable. The transferred picture data is saved on the microSD card that is inserted into the transceiver.
ⓘ Confirm a microSD card is inserted to the transceiver.



USB cable (User supplied)

Android device          Transceiver

**NOTE:** Confirm the USB connect setting is set to "Serialport" in the Set mode before using the USB cable. ([MENU] > SET > Function > **USB Connect**)

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

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# Find and download the application

**Android device:**

1. Touch "Play Store."
2. Enter "ST-ID50A" in the search field.
3. Touch "🔍."
   - "ST-ID50A" will be displayed as the search result.
   - ⓘ You may need to enter "ST-ID50A" as a complete word to get the search result.
   - ⓘ If your Android device does not support the application, it may not appear as the search result.
4. Touch "ST-ID50A."
   - Displays the introduction screen of the application.
5. Touch <INSTALL>.
   - Installation starts.
   - After the installation is finished, the ST-ID50A icon is displayed on the screen.



# Operating notes

- Disconnect the transceiver from your mobile device when not using the application. Otherwise, it will waste your mobile device's battery.*
  *If "USB Power Input (Phone, Tablet, PC)" in the Set mode is set to "ON."(Default)
- This application is not usable with other applications related to the transceiver simultaneously.
- The application requires permission from the device to use some functions. See your mobile device's instructions for details.

# Operating screen

**Picture Transfer screen:**

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

Saves the displayed picture.

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

Enter the text you want to add to the picture.

Select whether or not to add the text to the picture.

Displays the Picture Transfer screen.

Displays the Received Picture screen.

**Crop screen:**

Goes back the previous screen.

Rotates 90 degrees to the right. (Clockwise)

Crops the picture.

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

❶ **Auto Saving of TX Picture**
The application automatically saves the transferred picture to the mobile device.

❷ **Update Font List**
Updates the font list though the Internet.

❸ **Security Policy**
Displays the security policy.

❹ **Legal Notices**
Displays the information on the open source software being used in this application.

❺ **Align**
Select the display position of the text.

❻ **Font**
Select the font.
ⓘ You can use the font registered in Google Fonts. The selected font is downloaded though the Internet. Some fonts are not usable.
ⓘ If you update the font list, touch "Update Font List" (❷) on the Menu list.

❼ **Size**
Select the font size of the text.

❽ **Color**
Select the text color.

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

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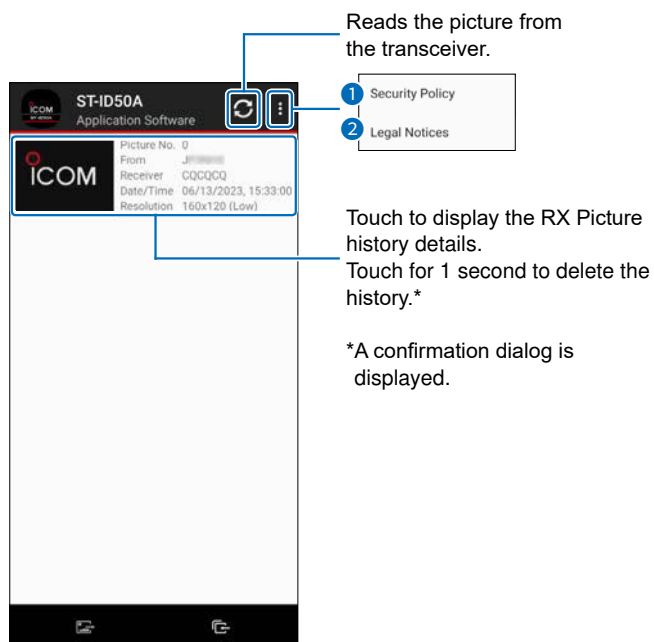ⓘ You may not be able to select italic, depending on the font.

⓫ **Outline**
Select the outline width of the text.

⓬ **Outline Color**
Select the outline color of the text.

## Operating screen

**Received Picture screen:**

Reads the picture from
the transceiver.



❶ Security Policy
❷ Legal Notices

Touch to display the RX Picture
history details.
Touch for 1 second to delete the
history.*

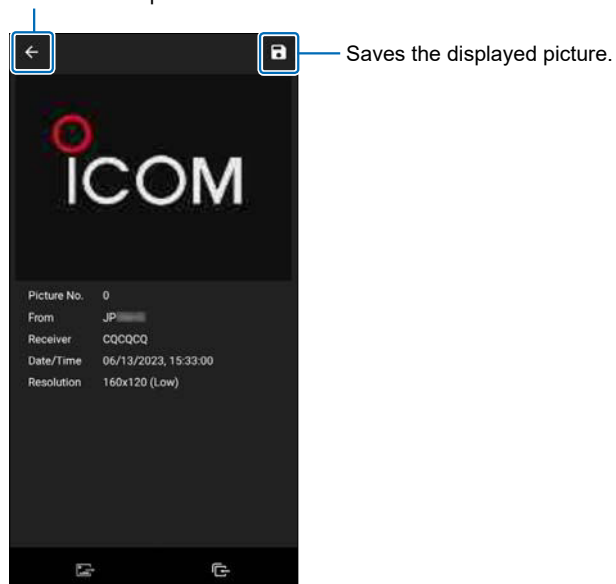*A confirmation dialog is
 displayed.

❶ **Security Policy**
Displays the security policy.

❷ **Legal Notices**
Displays the information on the open source software
being used in this application.

**Received Picture Detail screen:**

Returns to the previous screen.

Saves the displayed picture.

# Operation

## Cropping a picture

1. Touch ▣ on the bottom left of the screen.
   - The Picture Transfer screen is displayed.
2. Touch the black area for 1 second.
   - The Select Picture screen is displayed.
3. Select where the picture you want to edit is stored.
   - The Crop screen is displayed.
4. Set the frame around the portion that will be cropped by dragging the anchors on the corners, and then touch "CROP."

## Adding a text to the picture

1. Touch ▣ on the bottom left of the screen.
   - The Picture Transfer screen is displayed.
2. Enter a text.
   ⓘ Enter a checkmark to the check box on the left side of the text box.
3. Touch ✿.
4. Set the text font, size, color, and so on.
   ⓘ See page 3 about each item.

## Saving the picture on the mobile device

1. Touch ▣ on the bottom left of the screen.
   - The Picture Transfer screen is displayed.
2. Touch ▣.
   - The Select a Destination screen is displayed.
3. Select the destination to save the picture, and the touch "SAVE."
   ⓘ The application automatically saves the transferred picture if "Auto Saving of TX Picture" in the Menu is enabled (p. 3).

## Transferring the picture to the transceiver

1. Touch ▣ on the bottom left of the screen.
   - The Picture Transfer screen is displayed.
2. Touch ▶.
   - The File Name Setting screen is displayed.
   ⓘ Rename the file name, if necessary.
3. Touch [OK] to transfer the picture.
   - While transferring, ↻ is displayed on the mobile device.
   ⓘ To cancel transfer, touch ✕ on the mobile device.

## Loading the received pictures from the transceiver

To view the received pictures, load them into the application.
ⓘ The received picture cannot be displayed on the transceiver.

1. Touch ▣ on the bottom right of the screen.
   - The Received Picture screen is displayed.
2. Touch ↻.
   - The confirmation dialog is displayed.
3. Touch [OK] to load the pictures.
   - While loading, ↻ is displayed on the mobile device.
   - The loaded pictures are displayed.
   ⓘ To cancel transfer, touch ✕ on the mobile device.
   ⓘ Up to 50 pictures can be loaded.
   ⓘ The transceiver cannot receive a picture while loading received pictures.

## Saving the received picture to the mobile device

1. Touch the picture you want to save to your device.
   - The Received Picture Detail screen is displayed.
2. Touch ▣.
   - The Select a Destination screen is displayed.
3. Select the destination to save the picture.
   ⓘ The file name is automatically set in the following format: PicYYYYMMDD_"The caller's call sign".jpg (YYYY: Year, MM: Month, DD: Day).

**NOTE:** If you cannot transfer or load the picture, check the following:

**On the transceiver:**
- The transceiver 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.
  ⓘ The transceiver cannot receive the picture in special modes, such as the clone mode, firmware update mode, import or export mode, or setting save mode.
- "USB Connect" in the Set mode is set to "Serialport."
  ([MENU] > SET > Function > **USB Connect**)

**On the mobile device:**
- The transceiver is connected through the USB cable.

**USB cable:**
- Usable for data transfer and not for charging only.

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NEUQUANT Neural-Net quantization algorithm by Anthony Dekker, 1994. See "Kohonen neural networks for optimal colour quantization" in "Network:
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