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Product: Ishida SR-2000a Color Touch Screen Scale

Issue: Adding Photo Images to the Preset Keyboard Keys

Contents: Two Alternate Methods of Adding Key Images



Authorized distributors and their employees can view or download this document from the Rice Lake Weighing Systems distributor site at www.ricelakeretail.com.

Background

The Ishida SR-2000a offers a powerful and unique feature of displaying color photo images on the touch screen operator interface. Once configured, assigning images to the touch screen is straightforward.

Please read this entire document, including the Notes and Considerations sections, to learn more about the SR-2000a Preset keys before beginning.

Overview

Before images can be programmed to the preset keyboard they must be loaded into ScaleLink Pro. The images can be loaded by two different methods. The first uses only ScaleLink Pro. The second involves opening the SR-2000a and copying image files to the scale's memory card with a Compact Flash adapter.

A library of preset key images is available from Rice Lake Weighing Systems. The image library is provided in a zip file format. There are two different zipped files containing the library images. The contents of the two files are identical except for the image file names.

SR-2000a_Images-SLP.zip – the bitmap files contained in this file are named to facilitate selecting individual files in to SLP.

SR-2000a_Images-CF_Card.zip – the bitmap files contained in this file have specific names required when the image files are loaded directly to the SR-2000a's Compact Flash memory card.

ScaleLink Pro (version 3.24c or later) is required to add images to the SR-2000a touch screen preset keys.

Details of both procedures for loading and assigning keyboard images are listed below.

Important: Once the images have been read into ScaleLink Pro only the steps listed in section "Programming SR-2000a Preset Keys" are necessary for each subsequent scale.

Method 1 – Using ScaleLink Pro only

By this method the desired key images from the library are loaded one at a time from within the ScaleLink Pro program.

1. Unzip the "SR-2000a_Images-SLP.zip" file onto the PC's hard drive in a new folder.
2. Open ScaleLink Pro*.
3. From the **Setup** menu open **Comms (On Line)** and add the SR-2000a scale.
4. From the **Scales** menu open **SR-2000a Images**.
5. Select **Add**.
6. Navigate in Windows® as usual to select one of the images unzipped in step 1 above.
7. Repeat adding images as needed.
8. After the images have been added close the SR-2000a Images window.

Method 2 – Using ScaleLink Pro, Windows® Explorer, and a Compact Flash adapter

By this method the library file images are copied onto the SR-2000a's Compact Flash memory card and all images uploaded into ScaleLink Pro.

1. Turn the SR-2000a scale off but leave the power cord connected to an outlet.
2. Remove the covers on the left side of the SR-2000a: outer painted cover and inner bronze cover. See Figure 1.
3. Remove the Compact Flash card mounted below the circuit board – press the eject button.
4. Install the CF card into a Compact Flash adapter. See Figure 2.
5. Install the adapter into the PCMCIA card slot of a notebook computer.
6. Open Windows® Explorer to find the adapter.
Note: Windows® usually assigns the adapter as Drive E. If the computer already has a Drive E the adapter may be "hidden" and unusable.
7. Unzip the "SR-2000_Images-CF_Card.zip" file onto the computer's hard drive in a new folder.
8. Copy all the image files on to the CF card. For a new scale, if prompted, select **Yes** to overwrite any existing files with the same name. If the scale already has images assigned to the keyboard, overwrite files with care.
9. Remove the adapter after copying all the files.
10. Remove the CF card from the adapter.
11. Re-install the CF card into the SR-2000a. Note that the card slot is located below the circuit board and is inserted upside down.
12. Re-install the two covers.
13. Turn on the scale.
14. Open ScaleLink Pro*.
15. From the **Setup** menu open **Comms (On Line)** and add the SR-2000a scale.
16. From the **Comms** menu open **Transmit/Receive Scale Data**.
17. From the "Scale" drop down menu select the SR-2000a scale.
18. From the "Send/Receive Data" drop down menu select **SR Images**.
19. Click the "Receive from Scale" button.
20. After the images are received, close the Communication window.

Programming SR-2000a Preset Keys

1. Open ScaleLink Pro*.
2. From the **Scales** menu open **Memo/SR-2000a Presets**.
3. If prompted, select the desired scale.
4. Double click the desired key.
5. Set the key size, font size, text and background colors.
6. Use the "Image ID" pull down list to select an image.
Note: Only images for the selected key's size are listed.
7. If an image is added to the key only one line of text can be entered. The text size is fixed.
8. After a key has been configured, select **OK**.
9. Note that, when the full keyboard is displayed, the highlighted key's image is not shown.
10. Before exiting be sure to select **SAVE**. If the keyboard is not saved all changes will be lost.

*Must be ScaleLink Pro version 3.24c or later.

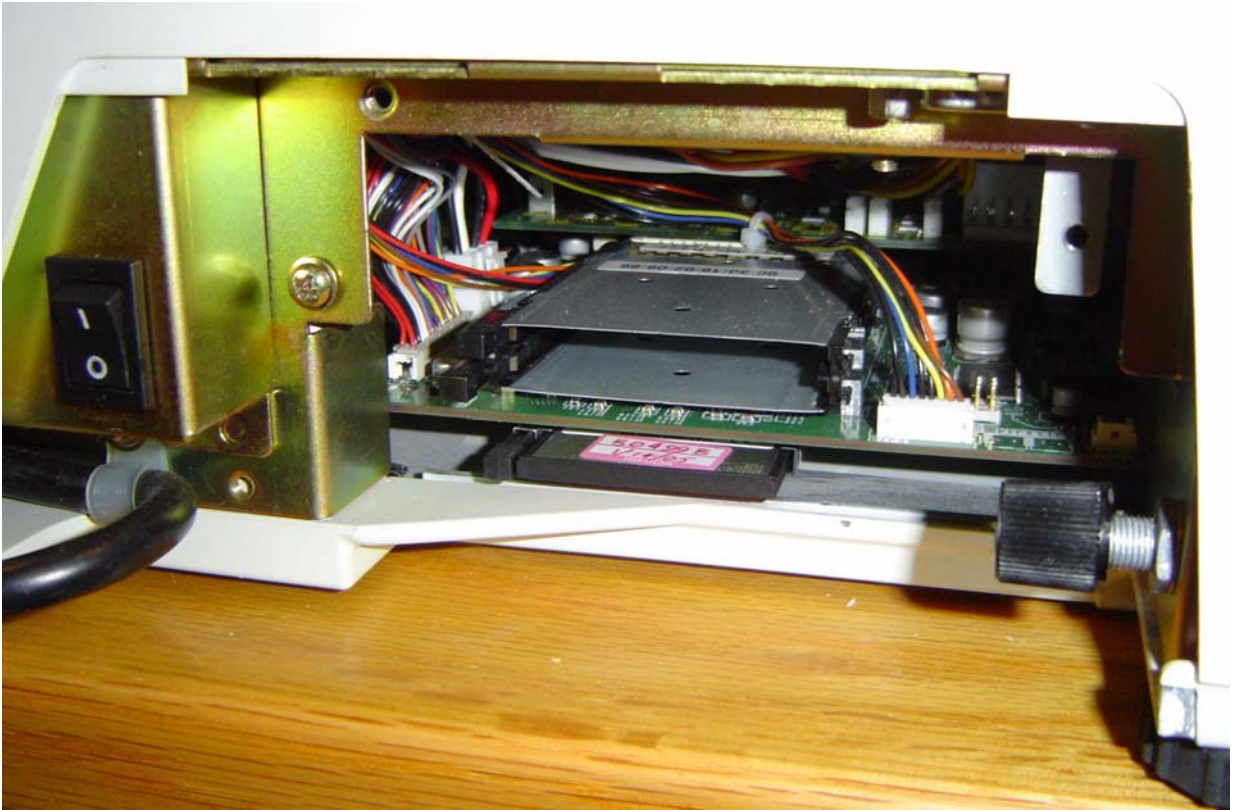


Figure 1. CF card location – left side of SR-2000a, mounted upside down, below the circuit board



Figure 2. PCMCIA Compact Flash Adapter and CF Card

Preset Key Considerations

1. A new ScaleLink Pro SR-2000a preset keyboard lists three pages: Function Key Page, Category Key Page, and Preset Key Page 2.
 - Function Key Page: This is the screen displayed after a PLU is called. This is where Function keys are assigned to allow temporary changes such as Date Override, Label Quantity, Tare presets, Markdowns, etc.
 - Category Key Page: This is the main display from which the operator selects a PLU. These keys can be programmed as either PLUs or Category keys. Category keys call PLU preset pages.
 - Preset Key Page 2: This is the first of the PLU preset pages. Only PLUs can be assigned to this and other Preset Key pages.
2. Images added to keys on the Function Key page and Category Key page can be very effective, especially in environments with high employee turn over or limited language skills.
3. It is seldom practical to add images to the Preset Key pages.
4. It is common to place only PLUs on the Category Key page in locations where a scale uses a limited number of items.
5. It is strongly recommended that SR-2000a Preset keys be edited using ScaleLink Pro rather than at the SR-2000a. It is much easier and some features are not available at the scale.

Notes

1. Three preset key sizes are available: Small, Medium, and Large.
2. Images are best displayed on the Large key size.
3. The default preset key size is Small.
4. The current library includes images for both the Large and Medium key sizes.
5. Images created for a specific key size cannot be resized in ScaleLink Pro to work with another key size.
6. Use an image editing program such as Adobe Photoshop to create or edit key images.
7. Images must be a specific size to fit the SR-2000a keys. Dimensions are in pixels (dots). Any other image sizes will not work.
 - a. Large: 135 (W) x 101 (H) pixels
 - b. Medium: 135 (W) x 49 (H) pixels
 - c. Small: 66 (W) x 49 (H) pixels
8. Images must be 256-color bitmap file type. Any other file type will not work.
9. When saving images in the 256-color bitmap format, image quality may change due to the limited color palette.
10. If the library does not contain a desired photo image, Rice Lake will, at its discretion, provide the image. Visit www.photos.com and forward the ID number of the desired image to your Rice Lake / Ishida representative.
11. Keyboard images are stored on the Compact Flash (CF) card accessible on the left side of the SR-2000a, on the bottom side of the CPU board.
12. To communicate with the SR-2000a the following versions of software must be used. These are available on a Retail CD dated 3/05 or later and are posted on the www.ricelakeretail.com web site.
 - ScaleLink Pro – 3.24c or later
 - i-View – 1.24 or later
 - i-Label – 2.31g or later