

Linx 7900



How To Create a Logo



THINKING ALONG YOUR LINES



Contents

1 Introduction	2
1.1 Health and Safety	2
2 About the Logo Editor	3
2.1 Create a new logo	3
2.2 Logo Editor page	4
2.2.1 Magnification	4
2.2.2 Scroll bars	5
2.2.3 Preview box	5
2.3 Logo Editor keys	6
2.3.1 Pen	6
2.3.2 Pen Size	7
2.3.3 Colour	7
2.3.4 Shape	7
2.3.5 Options	8
2.3.6 Exit	8
2.4 Options page	9
2.4.1 Transformations	9
2.4.2 Solid Fill	9
2.4.3 Border	9
2.4.4 Clear	9
2.4.5 Resize	10
2.4.6 Exit	10
2.5 Transformation options	10
2.5.1 OK	10
2.5.2 Invert	10
2.5.3 Flip X	11
2.5.4 Flip Y	11
2.5.5 Rotate	11
2.5.6 Cancel	11
2.6 Resize options	12
2.6.1 OK	12
2.6.2 Increase Width	12
2.6.3 Decrease Width	12
2.6.4 Increase Height	12
2.6.5 Decrease Height	12
2.6.6 Cancel	13
2.7 Manage logos	13



1 Introduction

This document describes how to create and use logos for the 7900 printer.

You need a User Level C password to perform all the tasks that are described in this document.

1.1 Health and Safety

Make sure that you read and understand the Health and Safety information in the 'Safety' section of the *Linx 5900 & 7900 Quick Start Guide*.



2 About the Logo Editor

A logo is an image that is made from a grid of square picture elements ('pixels'). You can use the Logo Editor to set each pixel colour to make a complete image, as shown in the following example.

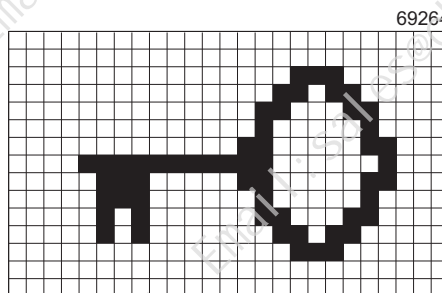


Figure 1. Example logo

To print a logo, you must insert the logo into a message. When you print the logo, the printer uses a single drop of ink for each pixel in the printed logo.

You can save a logo in the Logo Store. You can also save a logo in a message if this option is allowed in the printer settings.

If you change a logo in the Logo Store, your changes appear in every message that uses that logo. If you change a logo that is stored in a message, your changes appear only in the message where the logo is stored.

2.1 Create a new logo

At the **Print Monitor** page, select **Menu > Stores > Logo Store**. The printer displays the **Logo Store** page.

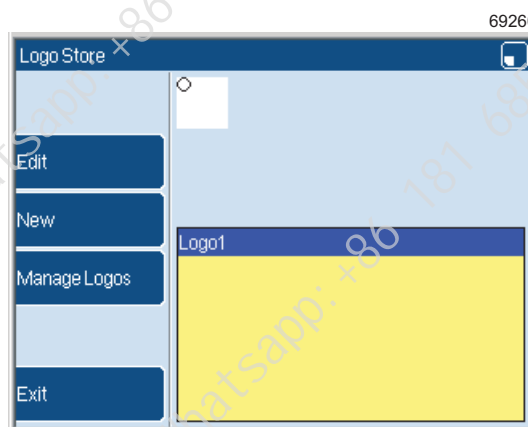


Figure 2. Logo Store page

If there are logos in the store, this page shows a list of the logo names. In Figure 2 there is one logo in the store. The top of the page shows the contents of the first logo in the list.

If there are no logos in the store the **Edit** key and the **Manage Logos** key are not available.

To create a new logo, press the **New** key to display the **Logo Editor** page.



2.2 Logo Editor page

When you create a new logo, the **Logo Editor** page displays a blank grid of squares. The default grid has 32 squares on each side. You can change the default size of the grid. See *How To Configure the Message Editor and Logo Editor*.

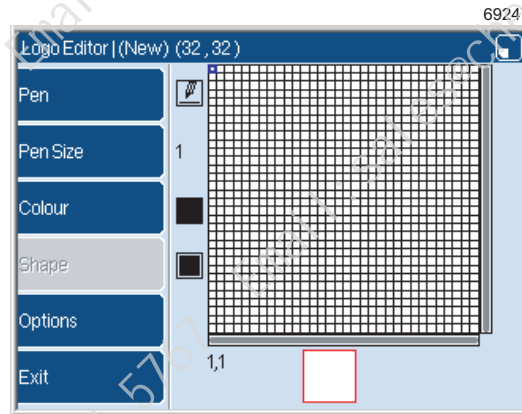


Figure 3. Logo Editor page

The blue square at the top left of the grid is the 'cursor'. The cursor operates like a pen that you use to draw a picture on the grid. You can use the arrow keys to move the cursor in any direction.

The title at the top of the **Logo Editor** page shows you that the default width is 32 pixels and the height is 32 pixels.

2.2.1 Magnification

The default magnification displays 32 rows and 32 columns of pixels on the grid. To change the magnification, do the following:

- Press the [alt] key and the Down arrow key together to decrease the magnification and see one more row and column.
- Press the [alt] key and the Up arrow key together to increase the magnification.



The result is shown below.

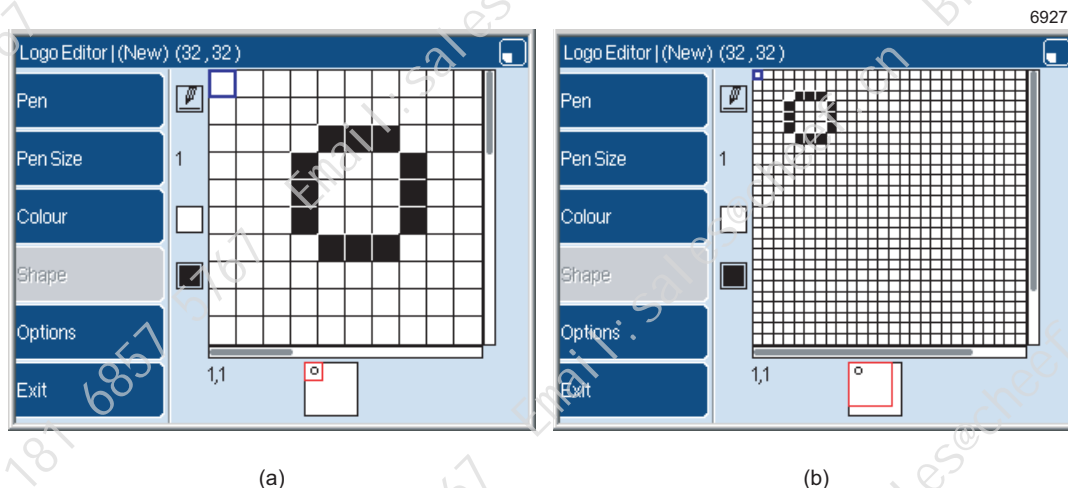


Figure 4. Magnification

In Figure 4 (a) you can see 10 rows and 10 columns. In Figure 4 (b) the magnification was decreased in 16 steps, so that 26 rows and columns are visible. The **Logo Editor** page has scroll bars and a preview box, (described below), that show you which part of the logo you can see. When you change the magnification, the scroll bars and the preview box change.

Two numbers below the grid show you the cursor location. The numbers show the column number and the row number for the cursor location in the grid. The top left square is 1,1. The bottom right square in the grid shown in Figure 4 is 32,32.

2.2.2 Scroll bars

In Figure 5, the scroll bars (A) show you which part of the logo you can see.

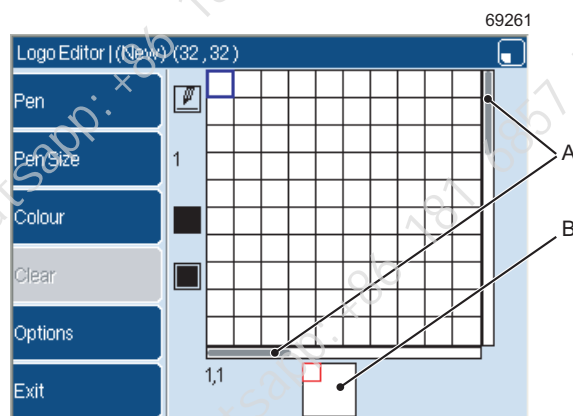


Figure 5. Scroll bars and preview box

2.2.3 Preview box

In Figure 5, the preview box (B) shows you a picture of the whole logo. The small, red square in this box indicates which part of the logo you can see.



Figure 6 shows a logo that contains a circle at the top of the logo. The scroll bars and the red box indicate that you can see the bottom corner of the logo. The circle is not visible because the cursor is moved to row 32 and column 32, but you can see the circle in the preview box.

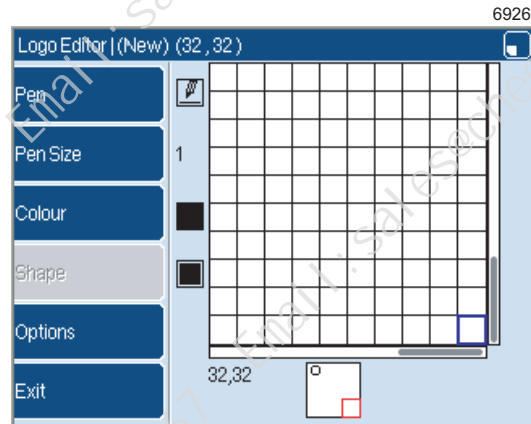


Figure 6. View window and scroll bars

The shape of the preview box changes if you change the height or the width of the logo (see 'Resize' on page 10).

2.3 Logo Editor keys

The following keys are available in the **Logo Editor** page.

2.3.1 Pen

The **Pen** key controls the action of the cursor. Figure 7 shows the icon that is next to the **Pen** key.

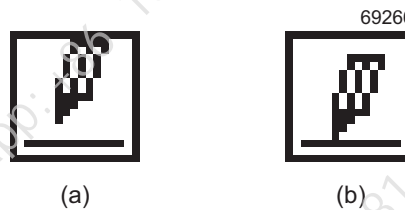


Figure 7. Pen icon

Figure 7 (a) shows a pen above a surface and Figure 7 (b) shows a pen that touches a surface. The icon indicates the action of the cursor, as follows.

- (a) When the printer displays this icon and you move the cursor, the cursor does not change the colour of any squares.
- (b) When the printer displays this icon and you move the cursor, the cursor draws a line.

To select the required action and change the icon, press the **Pen** key or press the space bar on the keyboard.

NOTE: When you make any changes to your logo, remember that the Logo Editor does not have an 'Undo' function. If you make an error, you must change the pen colour and overwrite your changes, or discard the logo and restart the process.



2.3.2 Pen Size

Press this key to change the size of the pen (cursor). The number that is next to this key shows the size of the pen. Figure 8 (a) shows how you draw a narrow line with the pen size set to 1. Figure 8 (b) shows how you draw a thick line with the pen size set to 2. (The pen movements are the same.)

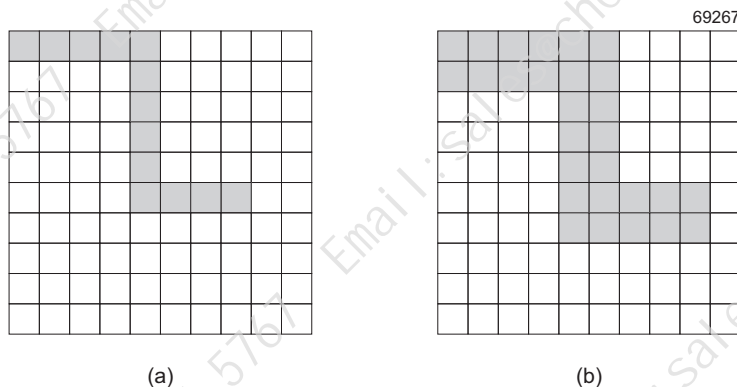


Figure 8. Pen Size

The maximum value of the pen size is 6. When you press the **Pen Size** key, the pen size changes as follows: 2, 3, 4, 5, 6, 1, 2, 3,

2.3.3 Colour

Press this key to change the colour of the pen. You can use a black pen or a white pen. The white pen changes the black squares to white and you can use this method to correct an error. A black or white square next to this key shows the current setting.

2.3.4 Shape

You can change the shape of the pen. There are three options:

- Square
- Square, with round corners
- Triangle

NOTE: If the pen size is 1 or 2, only the square pen shape is available and the **Shape** key is not available.



The pen shape that is shown in Figure 9 is the square with round corners. The icon that is next to the **Shape** key shows the current setting.

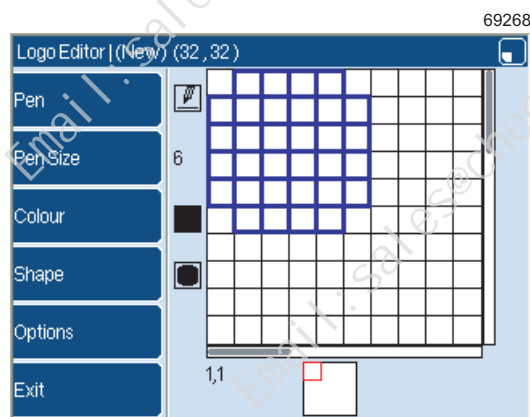


Figure 9. Shape: square with round corners

If you select the triangle pen, the shape depends on the size. Figure 10 shows the shape of the triangle when the pen size is 3, 4, 5, and 6.

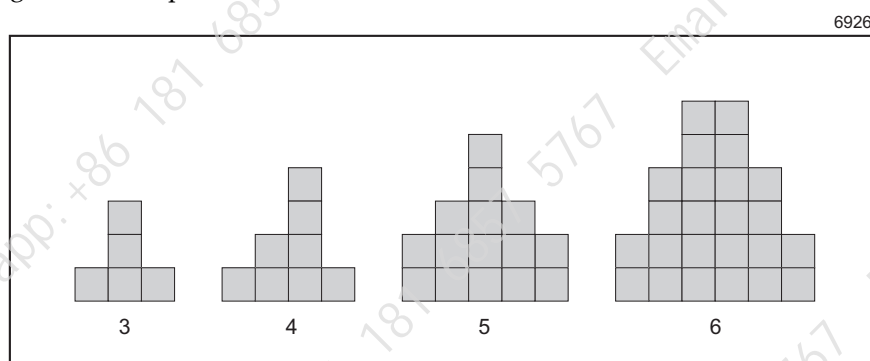


Figure 10. Triangle pen

2.3.5 Options

Press this key to see more menu options (see 'Options page' on page 9).

2.3.6 Exit

Press this key to leave the **Logo Editor** page and display the **Save As** page. (The *Linx 5900 & 7900 Quick Start Guide* describes how you use the **Save As** page.)



2.4 Options page

When you press the **Options** key in the **Logo Editor** page, the printer displays the following page.

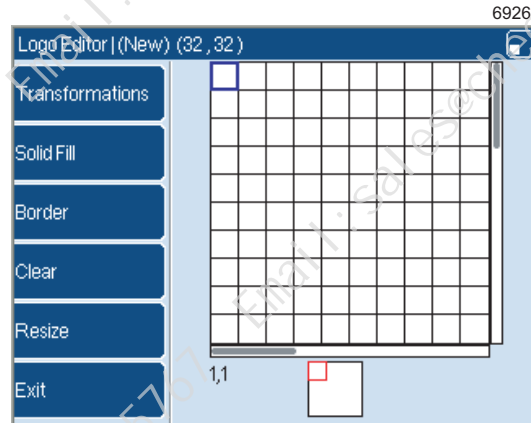


Figure 11. Options page

The keys in this page are as follows:

2.4.1 Transformations

Press this key to see more menu options (see 'Transformation options' on page 10).

2.4.2 Solid Fill

The function of this key is shown in Figure 12. The logo (a) contains a large box and a small box. To change one of the boxes into a solid block of black squares, first move the cursor into the box as shown. When you press the Solid Fill key, the box is filled (b). The small box is not filled because the cursor was not in that box.

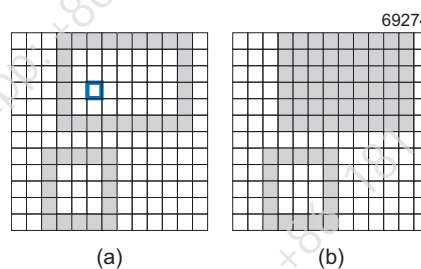


Figure 12. Solid Fill

NOTE: If the cursor is not in any box, the boxes do not change but the printer fills the remaining squares in the logo.

2.4.3 Border

This key creates a line of black squares along all four edges of the logo.

2.4.4 Clear

This key resets the logo to a blank grid of white squares.



2.4.5 Resize

Press this key to see more menu options (see 'Resize options' on page 12).

2.4.6 Exit

Press the **Exit** key to leave the **Options** page and return to the **Logo Editor** page.

2.5 Transformation options

When you press the **Transformations** key, the printer displays a new set of options:

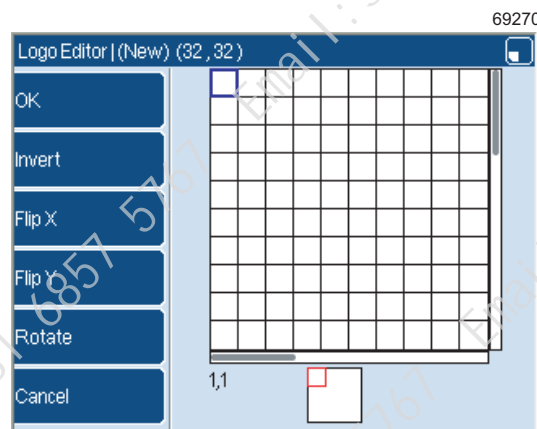


Figure 13. Transformations page

The new options are described below.

NOTE: The squares that you changed can move outside the visible area when you use some of these options. Remember to use the preview box to find the position of these squares (see page 5).

2.5.1 OK

When you leave this page, press this key to save any changes that you made. (To discard the changes, press the **Cancel** key.)

2.5.2 Invert

Press this key to change the black squares to white and change the white squares to black as shown below.

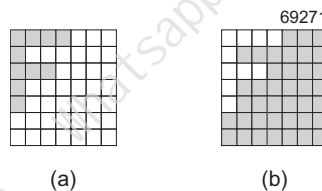


Figure 14. Invert



2.5.3 Flip X

Press this key to reverse the logo along the X-axis horizontally (see Figure 15).

2.5.4 Flip Y

Press this key to reverse the logo along the Y-axis vertically.

Figure 15 shows the operation of the **Flip X** key and the **Flip Y** key. The logo (A) is reversed horizontally (B) if you press the **Flip X** key. The same logo (A) is reversed vertically (C) if you press the **Flip Y** key.

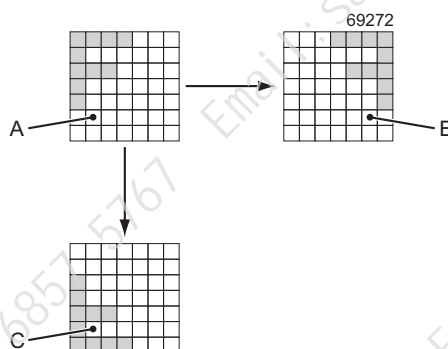


Figure 15. Flip X and Flip Y

2.5.5 Rotate

This key rotates the logo through 90 degrees. Press the key four times to get to the original position as shown in Figure 16.

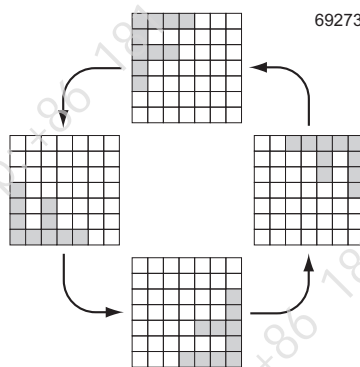


Figure 16. Logo rotation

2.5.6 Cancel

When you leave the page, press this key to discard any changes that you made. (To save the changes, press the **OK** key.)



2.6 Resize options

You can change the height and width of your logo. The maximum height is 34 and the maximum width is 256. The minimum height or width is 1. To change the logo dimensions, press the **Resize** key to display the following page.

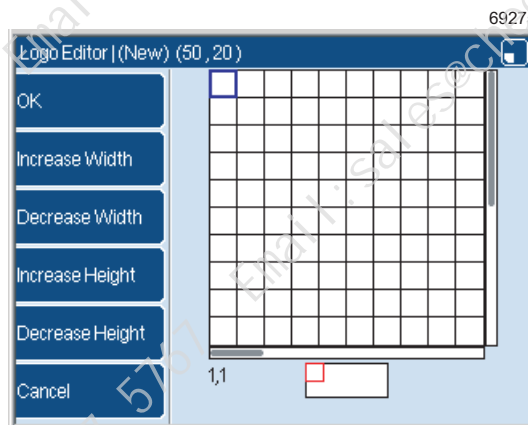


Figure 17. Resize page

The total width of the logo in Figure 17 is 50 pixels and the height is 20 pixels. You can see that when the size changes, the preview box changes and the scroll bar lengths change.

The options on this page are as follows.

2.6.1 OK

When you leave this page, press this key to save any changes that you made. (To discard the changes, press the **Cancel** key.)

2.6.2 Increase Width

When you press this key, the total width of the logo increases by 1.

NOTE: If you need a large change, remember that you can also change the default width before you begin to use the Logo Editor.)

2.6.3 Decrease Width

When you press this key, the total width of the logo decreases by 1. (See also the note above.)

2.6.4 Increase Height

When you press this key, the total height of the logo increases by 1.

2.6.5 Decrease Height

When you press this key, the total height of the logo decreases by 1.



2.6.6 Cancel

When you leave the page, press this key to discard any changes that you made. (To save the changes, press the **OK** key.)

2.7 Manage logos

At the **Logo Store** page (see Figure 2 on page 3), press the **Manage Logos** key to display the **Manage Logos** page.

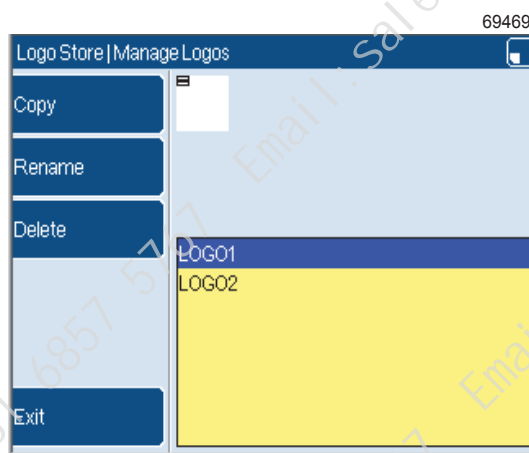


Figure 18. Manage Logos page

You can use the **Manage Logos** page to make a copy of a logo and use the copy as a base for a new logo, change the name of a logo, or delete a logo. The **Copy** option, the **Rename** option, and the **Delete** option are not described in this document. These options are like the options in the **Message Store > Manage Messages** page, which is described in the *Linx 5900 & 7900 Quick Start Guide*.