Linx 7900

LINX

THINKING ALONG YOUR LINES

Linx 7900

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1 Introduction

This document contains additional information for anyone who uses the 7900 Spectrum 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*.

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2 About the 7900 Spectrum printer

The 7900 Spectrum printer uses inks that contain a pigment. If the printer is idle, the pigment can become separated. This separation can cause internal problems in the printer.

2.1 Mix sequence

To maintain the print quality and prevent any problems, the printer can perform a mix sequence, which mixes the ink automatically. The mix sequence occurs at a fixed time every day. The start time of the mix sequence depends on several factors, as shown in the following table.

Printer power	Printer status	Active System Event	Mix sequence start time
On	Idle	None	Begins at the preset time
On	Jet Running	None	The mix sequence is not needed today
On	Ready to Print	None	The mix sequence is not needed today
Off	(Any)	None	Begins at next startup (if the last mix sequence did not occur because the printer was switched off)
On	Idle	3.21 Ink Low Prevented Mix	Begins when the ink is refilled
On	Idle	3.22 Fault Prevented Mix	Begins when the active fault is cleared

Figure 1. 7900 Spectrum Printer mix sequence

You cannot access the start time for the mix sequence if you use a User Level C password—contact your supervisor for more information.

NOTE: While you use the printer, the ink is mixed continuously and the mix sequence does not occur.

If the printer power is turned off for more than 24 hours, the automatic mix sequence occurs when you turn on the printer.

How To Use the Spectrum Printer

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Identify a Mix Sequence

While the printer performs a mix sequence, the printer status area of the **Print Monitor** page displays the status message "MIX".
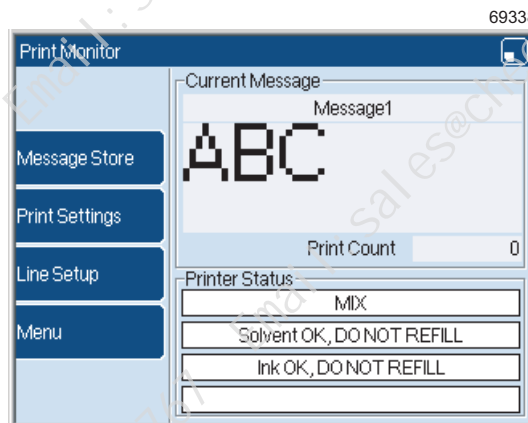

Figure 2. Print Monitor page (status: "MIX")

While the printer status is "MIX", you cannot use the printer. The [start] and [stop] keys do not operate during a mix sequence. Wait until the mix sequence ends and the printer status changes to "IDLE" before you try to use the printer.

NOTES:

1. A mix sequence takes between 6 and 19 minutes to complete. The time taken depends on when the printer was turned off.

2. If you switch off the printer during a mix sequence, the sequence restarts when you switch on the printer. (See 'System events' on page 5.)

3. If the ink level becomes low during a mix sequence, the sequence is cancelled. When you refill the ink, the mix sequence restarts. (See 'System events' on page 5.)

Start key and Stop key

If you press the [start] key or the [stop] key during a mix sequence, the printer does not respond until the mix sequence is complete.

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2.2 System events

The system events include a number of events that occur only with the 7900 Spectrum printer. These events are shown below.

3.21 Ink Low Prevented Mix

Description: A mix sequence did not occur because the ink level is low.

Cause: The printer cannot perform a mix sequence because of the low level of the ink in the ink tank.

Solution: Refill the ink tank (see page 6).

3.22 Fault Prevented Mix

Description: A mix sequence did not occur because there is an active fault.

Cause: The printer cannot perform a mix sequence because of a system event that is active.

Solution: Clear the active event.

3.23 Power Off Occurred During Mixing

Description: The printer was turned off before the mix sequence was completed.

Cause: The printer was turned off during a mix sequence.

Solution: Wait until the printer completes the mix sequence before you switch off the printer. During the mix sequence, the printer status is "MIX". When the sequence is complete, the status changes to "IDLE".

3.25 Ink Unmixed For 4 Weeks

Description: The printer has detected that the ink was not mixed in the previous period of four weeks.

Cause: The printer was not turned on during the previous period of four weeks.

Solution: Wait until the printer completes the necessary mix sequence before you try to print. During the mix sequence, the printer status is "MIX". When the sequence is complete, the status changes to "IDLE".

3.27 Mix Disabled

Description: The mix sequence is disabled in the setup pages.

Solution: Contact your local Linx distributor.

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2.3 Maintenance

To prevent problems and maintain the print quality, follow these recommended actions:

- Always wait until the mix sequence is complete. Do not switch off the printer during the mix sequence.

- If you can leave the printer power on when the printer is not in use, leave the printer in the "IDLE" state. If you leave the printer power on, the printer can perform the mix sequence automatically at a fixed time every day.

- If you cannot leave the printer power on when the printer is not in use, you *must* start the jet every two weeks. The jet must run for a minimum of 30 minutes.

- Never leave the printer turned off for more than four weeks.

Cleaning

Refer to the *Linx 5900 & 7900 Quick Start Guide* for information about the cleaning procedures for the printer and the printhead.

Refill the ink tank

If the printer displays the system warning "3.21 Ink Low Prevented Mix", refill the ink tank. The printer starts a mix sequence immediately. Wait until the printer completes the necessary mix sequence before you try to print. During the mix sequence, the printer status is "MIX".

NOTE: Before you refill the ink tank, shake the ink by following the method shown in the table below. Refer to the *Linx Ink Shaker User Guide* (part number FA65479) for instructions to use the Linx Ink Shaker.

Ink type	Shaking method
1009 (Black)	Shake the bottle manually.
1039 (Yellow)	Shake the bottle manually.
1059 (White)	Shake the bottle manually.
1305 (White)	Use the Linx Ink Shaker.
1306 (White)	Use the Linx Ink Shaker.
1310 (Grey)	Use the Linx Ink Shaker.
1311 (Grey)	Use the Linx Ink Shaker.
1355 (White)	Shake the bottle manually or use the Linx Ink Shaker.

Figure 3. Ink shaking method for pigmented inks

CAUTION: Do *not* use the Linx Ink Shaker for ink types 1009, 1039, or 1059. If you use the Linx Ink Shaker for these ink types, the ink separates.