

Quick Guide

First edition: Dec. 2017 Q05098500
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Q05098500

SATO

LR4NX-FA

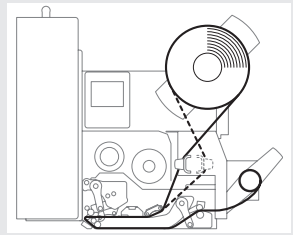
This document explains the procedures for replacing the media and ribbon, as well as how to clean the product.
For details about operations, refer to the web manual, "Operator Manual".
This document uses the left-running type for its illustrations.

Loading the Media

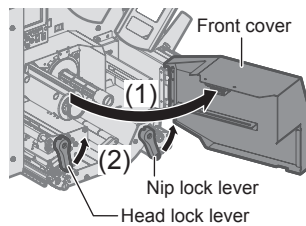
- Use our specified supply products.
- You can stop the buzzer by pressing the Ⓢ button when the warning lamp's buzzer sounds.

Load the media along the route of the diagram on the right, according to the winding direction for the media you are using.

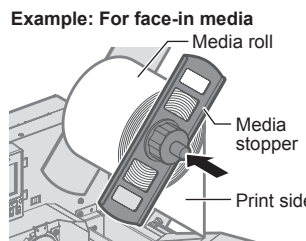
- Face-in media (Print side inward)
- - - Face-out media (Print side outward)



- (1) Open the front cover.
(2) Open the head lock lever and the nip lock lever.

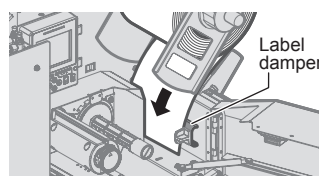


- Load the media, and then secure it with the media stopper.
 - Check the way the print side faces.

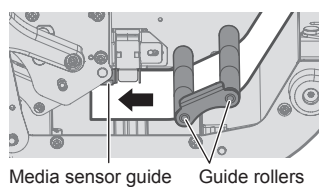


- Remove a few labels from the media.

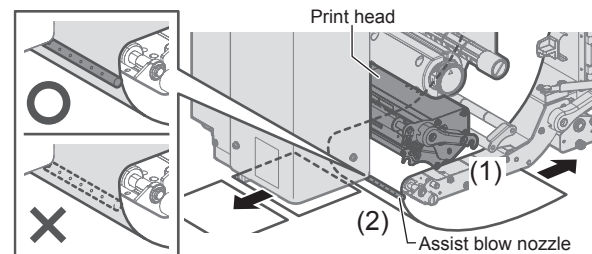
- Pass the media through the label damper.



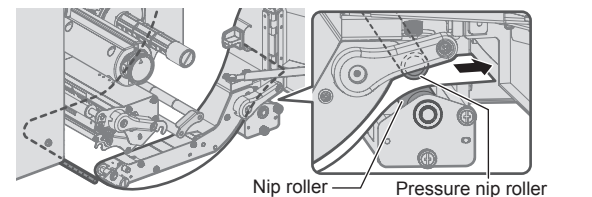
- Pass the media downward, through the two guide rollers and the media sensor guide.



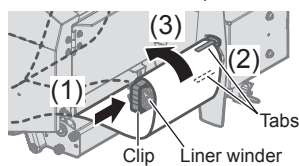
- (1) Pass the media under the print head.
(2) Pass only the liner in front of the assist blow nozzle.
 - Be careful not to pass the liner above the assist blow nozzle.



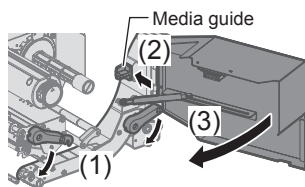
- Pass only the liner between the nip roller and the pressure nip roller.



- (1) Push the clip for the liner winder all the way in.
(2) Put the liner between the clip's tabs.
(3) Rotate the liner winder by hand to wind up the liner.



- (1) Close the head lock lever and the nip lock lever.
(2) Match the media guide to the width of the media.
(3) Close the front cover.



- (1) In offline, press the Ⓢ button. (Feeds the media)
(2) If there is an error with the product, press the Ⓢ button to clear the error.
(3) Press the Ⓢ button. (Turns online)

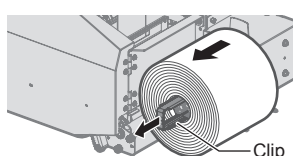
- Let it print, and then check that the media was loaded correctly.

When Replacing

While printing, you can replace it while the power is on.

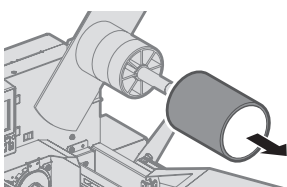
- Open the front cover, head lock lever, and nip lock lever. (Same as step 1 in "Loading the Media")

- Pull the clip for the liner winder, and then remove the used liner.



- Remove the used media roll core.

- Load new media. (Same as steps 2 to 10 in "Loading the Media")



Procedures for Loading and Replacing Media and Ribbon

- Check on the product's display. While offline, press the Ⓢ button → [Information] menu → [Help] → select the video you want to check
- Check on our website. http://www.manual.sato-global.com/labelmachine/lr4nx-fa/main/04mdm_h000.html

Caution

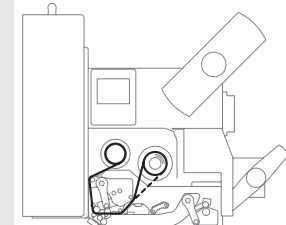
- Do not replace media and ribbon immediately after printing. (The print head and adjacent parts are hot and may cause burn injuries.)
- Do not touch the edge of the print head with your bare hands. (Doing so may cause injury.)
- Be careful when closing the front cover. (Your fingers may get pinched.)

Loading the Ribbon (Thermal transfer printing only)

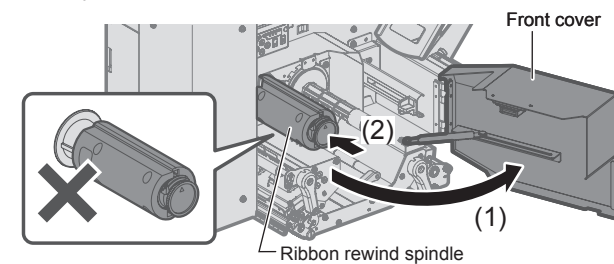
- Use our specified supply products.
- You can stop the buzzer by pressing the Ⓢ button when the warning lamp's buzzer sounds.

Load the ribbon along the route of the diagram on the right, according to the winding direction for the media you are using.

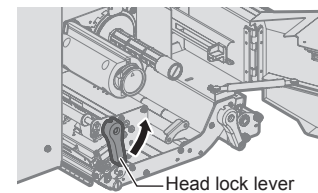
- Face-in ribbon (Ink-coated side inward)
- - - Face-out ribbon (Ink-coated side outward)



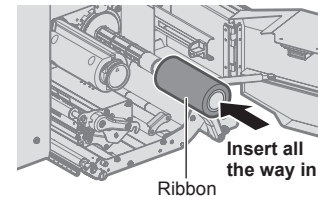
- (1) Open the front cover.
(2) Check that the ribbon rewind spindle is pushed all the way in.



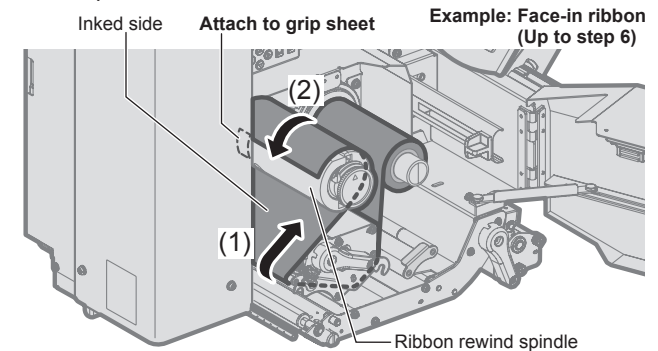
- Open the head lock lever.



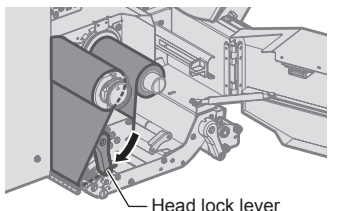
- Load the ribbon.
 - Be careful of the winding direction.



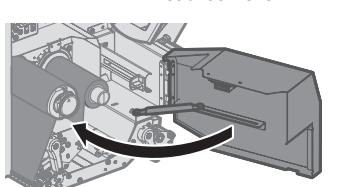
- (1) Pass the ribbon under the print head.
(2) Wind the ribbon around the ribbon rewind spindle a couple times.



- Close the head lock lever.



- Close the front cover.

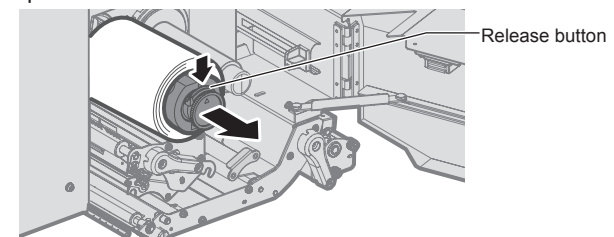


- (1) In offline, press the Ⓢ button. (Feeds the media)
(2) If there is an error with the product, press the Ⓢ button to clear the error.
(3) Press the Ⓢ button. (Turns online)

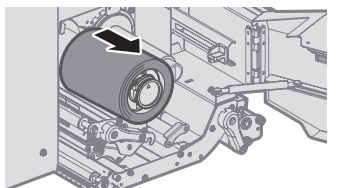
When Replacing

While printing, you can replace it while the power is on.

- Open the front cover. (Same as step 1-(1) in "Loading the Ribbon")
- Open the head lock lever. (Same as step 2 in "Loading the Ribbon")
- Press the release button, and pull out the ribbon rewind spindle.



- Remove the used ribbon.



- Push the ribbon rewind spindle all the way in. (Same as step 1-(2) in "Loading the Ribbon")

- Remove the used ribbon core from the ribbon supply spindle.

- Load new ribbon. (Same as from step 3 in "Loading the Ribbon")

Maintenance

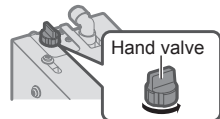
- Clean the product regularly so it operates smoothly.
- In environments that are not very dusty, we recommend cleaning every two media cycles; in other environments, we recommend cleaning every media cycle.

Print Head Part

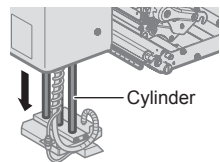
Before Cleaning

Pull out the cylinder to make cleaning easier.

- (1) Turn the hand valve counterclockwise (air circuit OFF).

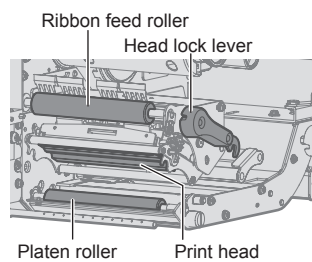


- (2) Pull out the cylinder with your hands.

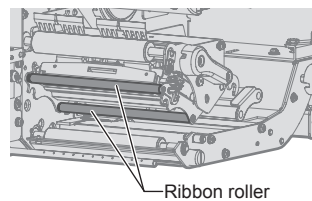


Cleaning Procedure

- (1) Open the head lock lever.
- (2) Use cleaning products to wipe dirt off the print head, platen roller, ribbon feed roller, and ribbon roller.

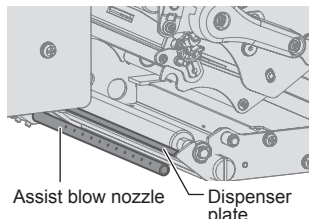


Platen roller Print head



Ribbon roller

- (3) Use cleaning products to wipe dirt off the assist blow nozzle and dispenser plate.

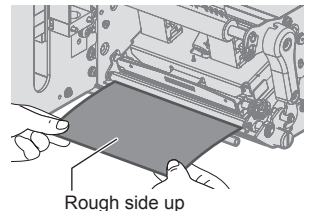


Assist blow nozzle Dispenser plate

Maintenance Using Cleaning Sheets (optional)

If the print quality is unclear even after doing the cleaning above, try cleaning with a cleaning sheet.

- (1) Place the cleaning sheet between the print head and the platen roller, and then lock the print head.
- (2) Pull the cleaning sheet towards you. Repeat this 2 or 3 times until all the dirt is gone.



Rough side up

- (3) Use cleaning products to wipe off dirt stuck to the print head.

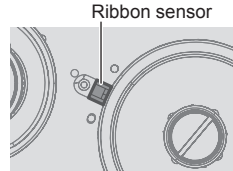
After Cleaning

- (1) Return the cylinder by pushing it in with your hands.
- (2) Turn the hand valve clockwise (air circuit ON).

- When dealing with the cylinder, be careful not to get your hands trapped.

Ribbon Sensor

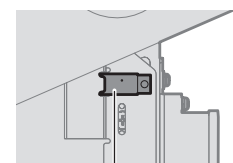
- (1) Clean the ribbon sensor with cleaning products, compressed air, etc.



Ribbon sensor

Label Near-End Sensor

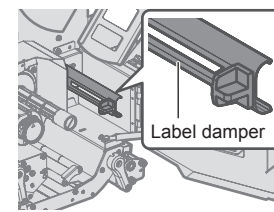
- (1) Clean the label near-end sensor with cleaning products, compressed air, etc.



Label near-end sensor

Label Damper

- (1) Use cleaning products to wipe off dirt stuck to the label damper.

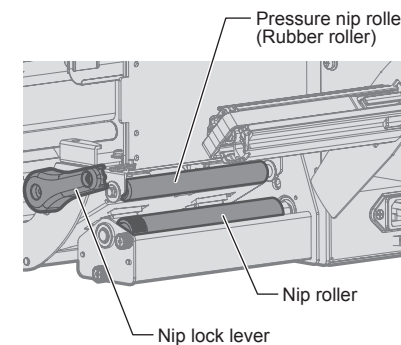


Label damper

Nip Roller Part

- The nip roller has a special coating, so do not use cleaning liquids.

- (1) Open the nip lock lever.
- (2) Use cleaning products to wipe off dirt stuck to the pressure nip roller.

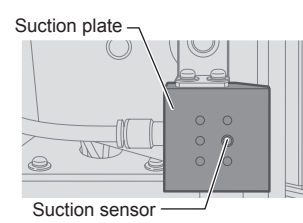


Pressure nip roller (Rubber roller)

Nip roller
Nip lock lever

Suction Plate and Suction Sensor

- (1) Clean the suction plate and suction sensor with cleaning products, compressed air, etc.

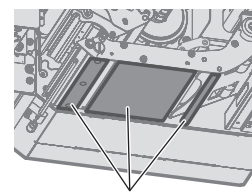


Suction plate

Suction sensor

Media Path

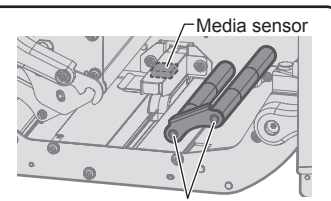
- (1) Use cleaning products to wipe off dirt stuck to the media path.



Media path

Media Sensor and Guide Rollers

- (1) Clean the media sensor with cleaning products, compressed air, etc.
- (2) Use cleaning products to wipe off dirt stuck to the guide rollers.

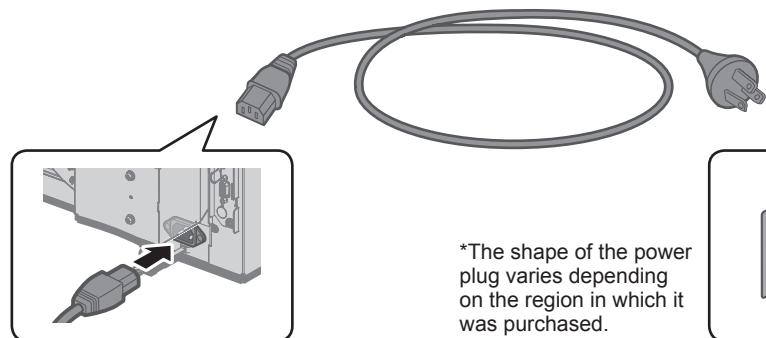


Media sensor

Guide rollers

Turning On Power

- 1 Plug the power cord.



*The shape of the power plug varies depending on the region in which it was purchased.

- 2 Turn on the power switch.



Specifications

Model Name	LR4NX-FA
Print Method	Direct thermal and Thermal transfer
Head Density	203 dpi (8 dots/mm) / 305 dpi (12 dots/mm)
Dimensions	W612 mm x H546 mm x D325 mm
Weight	Approx. 29.5kg
Power Requirements	(1) Input voltage: AC 100 - 240V ±10% (2) Frequency: 50 - 60Hz (3) Power consumption At peak: 190VA / 190W Standby: 30VA / 20W
Environmental Conditions	(1) Operating: 5 - 35 °C, 25 - 85 % RH (Non condensing) (2) Storage: -5 - 60 °C, 25 - 90 % RH (Non condensing)

Safety Standards	EN60950-1
Noise Standards	EN55024, EN55032, EN61000 3-2, EN61000 3-3
Symbol	~ : Alternating current
Open Source Software	This product includes open source software applied to the open source software license. Please see our website for more information. http://www.sato-worldwide.com/licenses/OSS.aspx
RoHS-Richtlinie	Wir haben uns verpflichtet, nur Materialien zu verwenden, die keine von der RoHS-Richtlinie betroffenen Substanzen enthalten. Von der RoHS-Richtlinie betroffene Substanzen (6 Stoffe) Sechswertiges Chrom0,1 % oder weniger Blei.....0,1 % oder weniger Quecksilber.....0,1 % oder weniger Cadmium0,01 % oder weniger Polybromierte Biphenyle(PBB).....0,1 % oder weniger Polybromierte Diphenylether(PBDE).....0,1 % oder weniger
This product is also designed for IT power distribution system with phase-to-phase voltage 230V.	