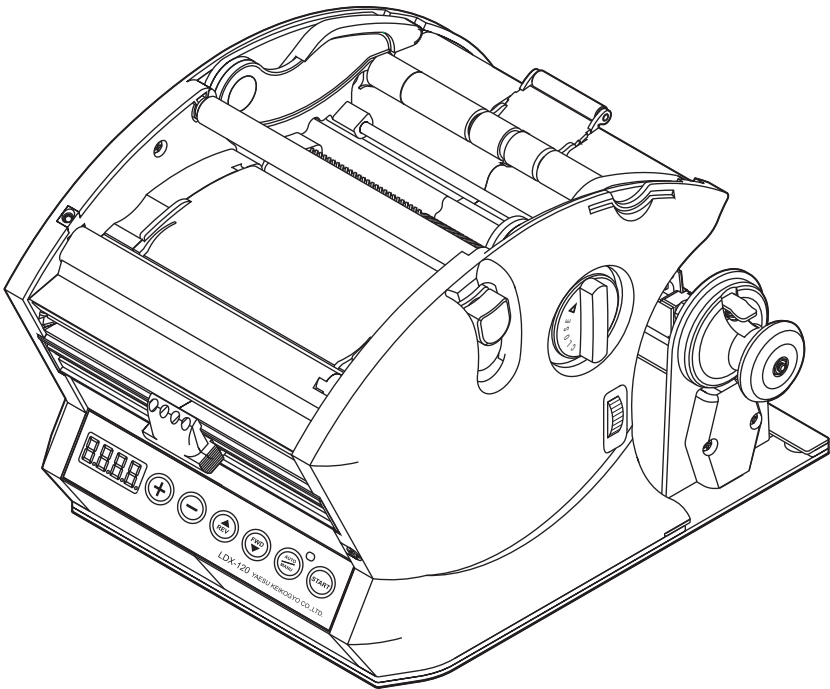


Yaesu

AUTO LABEL DISPENSER

LDX-60, 120, 180

INSTRUCTION MANUAL



Read Before Use

Thank you very much for your purchase of Label Dispenser with LDX series. This LDX series are designed for more compact and effective in all labels installed easily.

Please make your choice from 3 types of Label dispensers.

Those 3 types with LDX-60, LDX-120, LDX-180 are the common of operating procedure.

Please read this instruction very carefully in order to use this machine properly. After that, please keep this instruction in your file and use if necessary.

In addition, this instruction is valuable to the certificate of warranty.

When repairing, you need this certificate of warranty after preparing to fill out on the page 16.

If you don't fill it out completely, we may charge you even if it is within warranty period.

Contents

- P2 Read Before Use
- P3 Safety Instructions
- P4 Warning
- P5 Identification of Parts
- P6-7 Label Set
- P8-9 Mode Setting
- P9 How to Remove Backing Paper Completed
- P10 How to Replace New Label Roll
- P11 Other functions
- P12 Maintenance
- P13 Trouble Shooting and Specifications
- P14 Warranty

Safety Instructions

The safety guidelines in this Instruction Manual must be observed in order to prevent damage to the machine or injury to the operator or other persons.

The safety guidelines prescribed "Warning " and "Caution" describe possible injury or damage that may be suffered from operating or maintaining the machine in a manner other than as described in this Instruction Manual.

Read and follow the safety precautions carefully before reading the Instruction Manual.

Definition of Warning and Caution Symbols



Warning

Indicates a potentially hazardous situation which if not avoided, could result in death or serious injury.



Caution

Indicate that miss-handling may result in danger and that the operator is at risk of injury, or the machine is at risk of damage.



Indicates Caution

A symbol within the triangle, or the description, will indicate a specific hazard.



A Prohibited Action









A symbol within the circle, or the description, will indicate prohibited action.



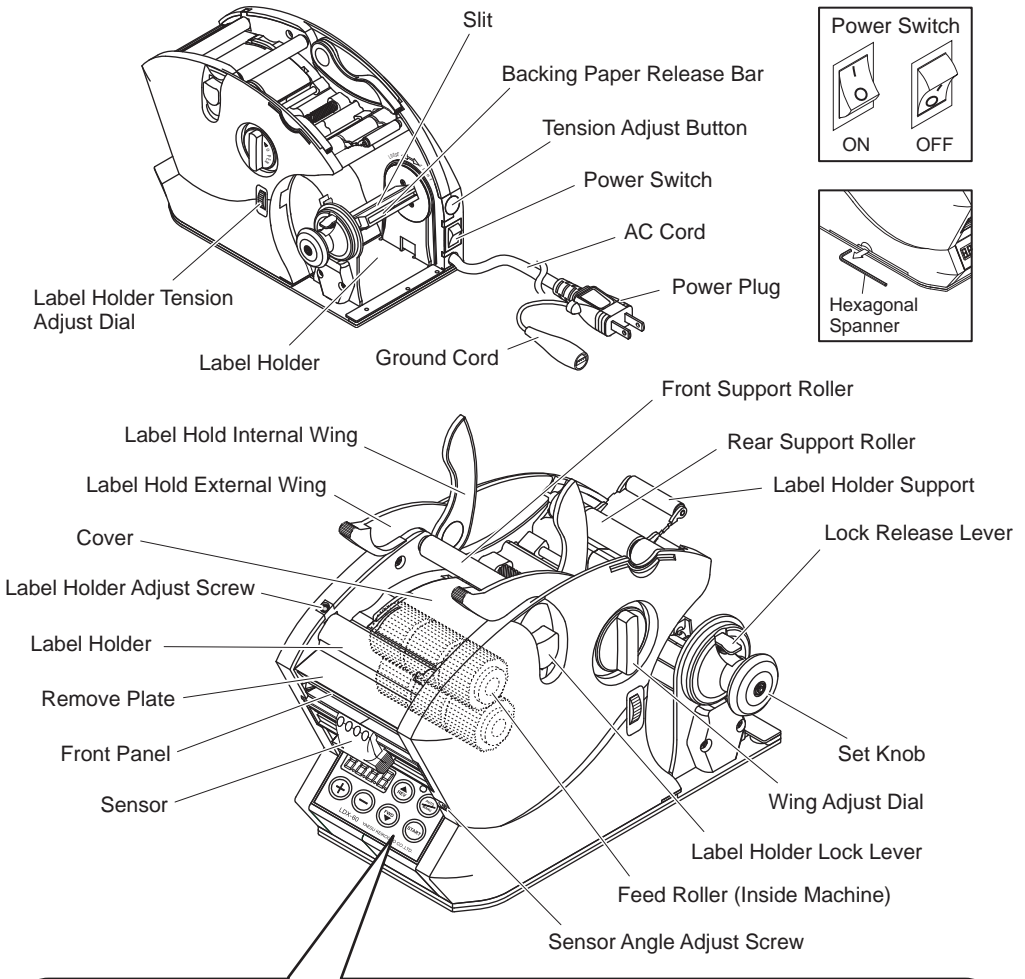
A Required Action

A symbol within the circle, or the description, will indicate the required action.

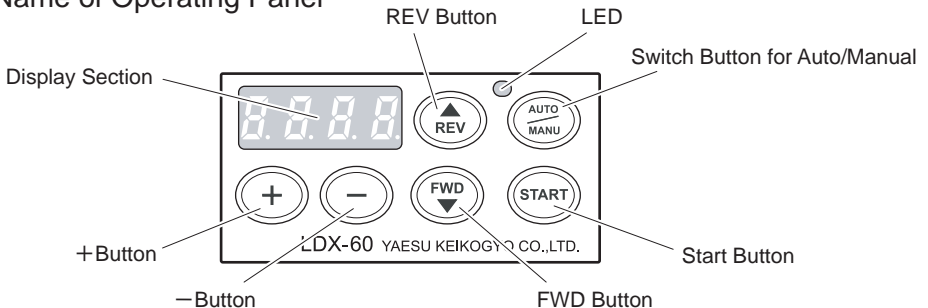
Warning

-  Do not plug in, unplug the cord, or operate the machine with wet hands.
Failure to observe this may result in injury due to electric shock.
-  Never insert your finger, or any other body part, or any foreign object into the machine.
Failure to observe this may result in injury.
-  Keep hair or loose clothing away from the machine while it is operating.
Failure to observe this may result in injury.
-  This machine is intended for industrial use only.
Do not allow untrained operators or children to operate the machine.
Failure to observe this may result in injury.
-  Turn off the power switch and unplug the machine prior to replacing the blade unit or performing any maintenance on the machine.
Failure to observe this may result in serious injury.
-  Do not use this machine for anything other than its specified applications.
Use of the machine for any unintended applications can cause injury to the operator or failure of the machine.
-  Please do not put any substances into the outlet for label.
It may cause the origin of the troubles.
-  Please do not use this machine expect for label removal.
It may cause the origin of unexpected injury and the troubles.

Identification of Parts



Name of Operating Panel



Label Set (Procedure for each function/Lmode)

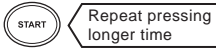
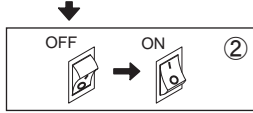
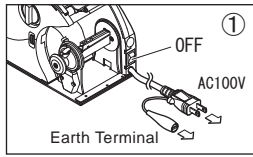
Please refer to the illustration on the page 7 when label setting.

- Prepare the label roll that is no labels on the first portion of 30cm.
- Make sure whether switch is off. (illustration 1)
- Plug in and connect cord. (illustration 1)
- Make sure that switch is turned on. (illustration 2)
 - Sound peep and turn on the light.
- Switch to L-mode. (illustration 3)
 - Push the Start Button longer and switch to the following mode accordingly.
(L-mode C-mode P-mode F-mode)
- Pull Spare Label Holder out and take both side of Label Hold Wing to set the right position. (illustration 4)
- Press Label Holder Lock Lever down and lift Label Holder up.
 - If press Label Holder Lock Lever down, Front Panel will be automatically opened.
- Set label roll in the proper procedure as follows. (illustration 4)
 - a) Hold label roll by hand and pass label through Front Support Roller.
 - b) Pass label through between Removal Plate and Label Holder and take label roll on Front Support Roller.
- Turn Wing Adjust Dial and adjust label roll until Label Hold Wing touches it. (illustration 5)
- Turn Wing Adjust Dial back slightly and make sure that label roll can rotate smoothly. (illustration 5)
- Set label roll like Label Hold Internal Wing touches paper roll and Label Hold External Wing touches the core of label. (illustration 5)
- Insert the point of label into the inlet of Front Panel until it reaches to Feed Roller. (illustration 5)
- While holding the point of label inserted into the inlet of Front Panel, press FWD button several times.
- Make sure that label feeds properly and release Label Holder Lock Lever. (illustration 7)
- Make sure that Feed Roller works properly while pressing FWD button several times.
- When label roll comes properly from the machine, insert the point of the label into Backing Paper Release Bar. (illustration 8)
 - If it is rather difficult to insert into Backing Paper Release Bar, take the right position to make it easy.
- Press FWD button several times to make sure that Backing Paper Release Bar works properly.
 - In the case of label roll wound weakly or improperly, please refer to "Other Function" on the page 11.
- Press FWD button several times and make sure that label is removed properly from Removal Plate. (illustration 9)
 - In the case that label doesn't remove from the paper, please refer to "Other Function" on the page 11.
- When pressing FWD button several times and take the label removed, make sure that the paper removed goes through Removal Plate properly. (illustration 10)
- Take the right position for sensor under label.
- Take the label removed on Removal Plate.
- In order to set the label position as you prefer, please refer to "Mode Setting" on the page 8.

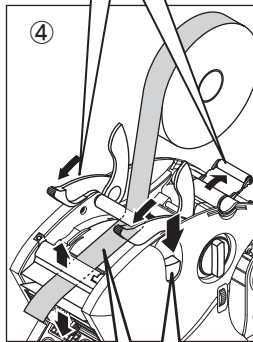


Please note that the label itself doesn't go into the machine.
It may cause the origin of the malfunction.

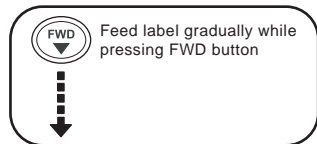
Label Set



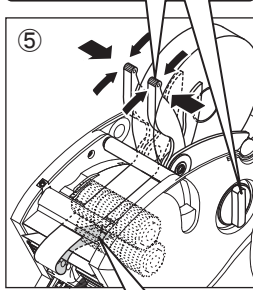
Pull Label Hold Wing and Label Holder Support out



Press Label Holder Lock Lever down and set label



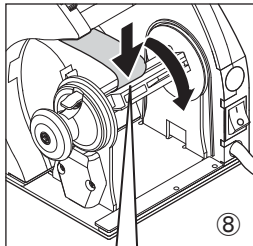
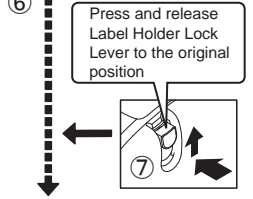
Take the position of Label Hold Wing properly



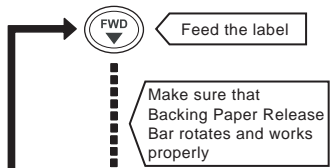
Insert the point of label into the inlet of Front Panel



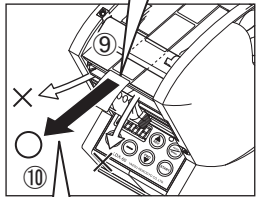
Press and release Label Holder Lock Lever to the original position



Insert the label into the slit of Backing Paper Release Bar



Make sure that label has been remove

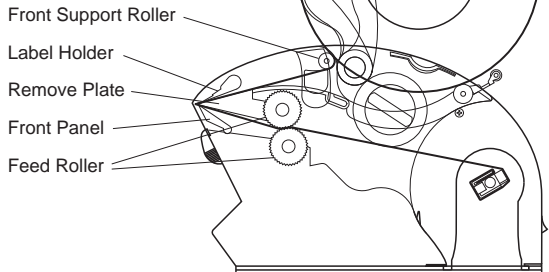


Make sure that label comes properly from machine

Adjustment for sensor position

Take the label removed on Removal Plate

Route of label



Mode Setting

Display for 4 different kinds of the following modes will be changed automatically when pressing START BUTTON until it sounds peep

L Mode (Label setting Mode)

Display L on the left side and 3 digits will be displayed

- Make sure that there is no label on the sensor.
- Forward label gradually while pressing FWD BUTTON briefly and set the proper position where you can take it easily.
 - Display 0 on the panel if press FWD BUTTON when no label on the sensor and start counting if label passes though the sensor.
 - As long as there is a label on the sensor, it will not start counting even if pressing START BUTTON.
 - If label passes over the sensor, please follow the instruction from the beginning.
- Make sure about stop position while pressing START BUTTON and feeding label.
 - Adjust the stop position for label like press +button when label stops at short distance and press -button when label passes over. (the numerical value displays on the panel is just for your reference)
 - Take the label and press START BUTTON in order to feed label.
 - Set the proper position by doing several times as mentioned above.

C Mode (Count-Up-Mode)

The number from 0 to 9999 will be displayed.
Press Auto/Manual Button longer time when resetting to the number of 0.
Only one digit displays on the panel when resetting.

- When taking one label on the sensor, it will be counting as one.
 - This mode starts from 0 and ends at 9999. After that, the number will revert to 0.

P Mode (Count-Down-Mode)

Displays P to the left side and follows 3 digits from 0 to 999

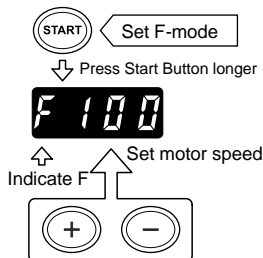
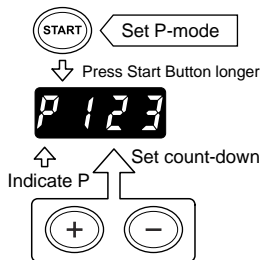
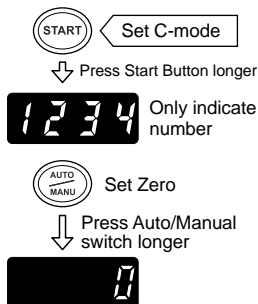
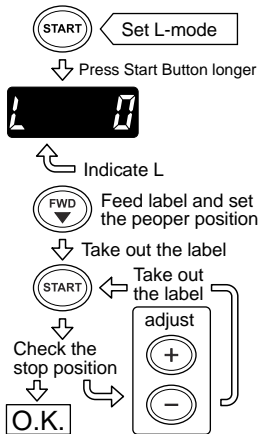
- Set the number from 1 to 999 by pressing + and -button as you prefer.
- Increase the number by 1 if pressing + and -Button shortly and the number increase will depend on pressing + and -button longer time.
- When Count-Down-Mode is completed, it will be automatically reset to the original number that you have set.

F Mode (Motor Speed setting Mode)

Display F to the left side and follows the number from 50 to 100 increased by 10.

Accuracy will be improved if Moter Speed Setting Mode is low.
Motor speed is arranged by 50 when delivering from our plant.

- Adjust motor speed from 50 to 100 by pressing + and -button.
 - Motor speed is set by 100 if displays 100 on the panel.



Mode Setting

F Mode (Motor Speed setting Mode)

In order to improve the accuracy of label dispensing position, feeding speed adjusting automatically is programmed.

When F mode is setting lower than 29, feeding speed will be automatically set between 50 and 90.

When F mode is setting over 30, feeding speed will be set by 100 at maximum. Please adjust F mode when necessary to change feeding speed.

F mode can be set by the number from 50 to 100, which is increased by 10. The following is the way of F mode setting.

■ F mode setting by +button and -button
(The number shown is 100 at maximum)

■ L mode setting by +button and -button to press longer than 1 second

(NOTICE)

★ The speed is no lower than 50

★ The speed is no faster than 100

★ After feeding speed setting, feeding speed will be reset to the original speed when changing L mode.

Auto/Manual Mode

The light of LED will turn on and off repeatedly every time pressing Auto/Manual button.

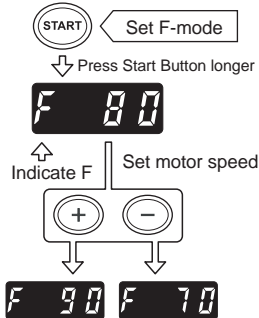
Auto Mode (LED Lighting)

- Press Auto/Manual BUTTON and keep LED lighting.
 - When it remains a label on the sensor, another label will come automatically on the sensor after taking the label.
 - When it is no label on the sensor, label will come after switching to Auto mode.
 - When power button turning off as Auto mode remains switching on, the light of LED will be blinking when switching on again.
 - The light of LED will be blinking if you adjust stop position for label while it remains Auto mode.
 - In the case of LED blinking, pressing Auto/Manual BUTTON twice and LED will be lighting on.

Manual Mode (LED Lights-Out)

- Press Auto/Manual BUTTON and LED will be lighting off.
- Press START BUTTON and label will come out.
(When label is on the sensor, no additional label will come out)

F Mode



F 00

START Set L-mode

↓ Press Start Button longer

L 20

↑ Indicate L | Set motor speed



F 90 F 70

1秒Fモード表示

L 20

Auto/Manual Mode

Auto Mode



When you take the label out, feed next label automatically and stand by.

Manual Mode



When you press the Start Button, feed next label and stand by.

Mode Setting

Auto/Manual Mode

The light of LED will turn on and off repeatedly every time pressing Auto/Manual button.

Auto Mode (LED Lighting)

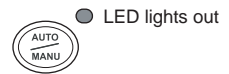
- Press Auto/Manual BUTTON and keep LED lighting.
 - When it remains a label on the sensor, another label will come automatically on the sensor after taking the label.
 - When it is no label on the sensor, label will come after switching to Auto mode.
 - When power button turning off as Auto mode remains switching on, the light of LED will be blinking when switching on again.
 - The light of LED will be blinking if you adjust stop position for label while it remains Auto mode.
 - In the case of LED blinking, pressing Auto/Manual BUTTON twice and LED will be lighting on.

Auto Mode



When you take the label out, feed next label automatically and stand by.

Manual Mode



When you press the Start Button, feed next label and stand by.

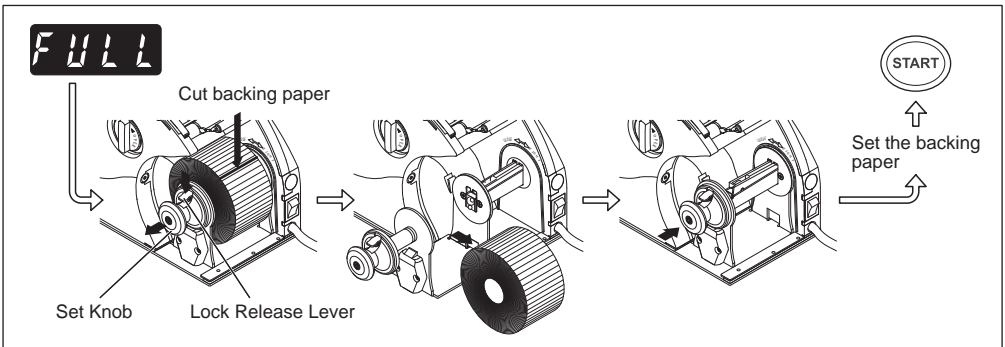
Manual Mode (LED Lights-Out)

- Press Auto/Manual BUTTON and LED will be lighting off.
- Press START BUTTON and label will come out.
(When label is on the sensor, no additional label will come out)

How to Remove Backing Paper Completed

Operation will stop automatically with a sign of FULL after peeping when backing paper is fully completed.

- Cut the backing paper.
- Pull Set Knob out while pressing Lock Release Lever.
 - Backing Release Bar can be removed very easily if pulling Set Knob out.
- Remove backing paper.
- Pull Set Knob into the original position until it sounds clicking.
- Set new label into Backing Release Bar.
- Press START BUTTON and display will switch from FULL to 0.



How to Replace New Label Roll

Please replace new label roll as follows.

When you take the last label on the sensor with setting Auto Mode, Feed Roller will stop and LED will be flashing. Feed Roller will stop after few second when it is no label on the sensor.

In the case of setting the same label roll

- Keep pressing FWD BUTTON in order to wind new label roll into Backing Paper Release Bar.
- Pull Set Knob out while pressing Lock Release Lever.
 - When pulling Set Knob out, backing paper completed will be pulled out together and will be removed from Backing Paper Release Bar.
- Remove backing paper.
- Pull Set Knob into the original position until it sounds clicking.
- Please refer to "Label Set" on the page 6.
- Press Auto/Manual BUTTON longer time and display L Mode and select the registered length.
- Revert to the mode that you have used.
- Press START BUTTON and label will come out.
 - LED will change from flashing to lighting.

In the case of setting the defferent kind of label roll

- Keep pressing FWD BUTTON in order to wind new label roll into Backing Paper Release Bar.
- Pull Set Knob out while pressing Lock Release Lever.
 - When pulling Set Knob out, backing paper completed will be pulled out together and will be removed from Backing Paper Release Bar.
- Remove backing paper.
- Pull Set Knob into the original position until it sounds clicking.
- Please refer to "Label Set" on the page 6.
- Please refer to "L Mode (Label Setting Mode)" on the page 8.
- As depend on the terms of use, please follow the instruction for each mode setting.
- Press START BUTTON and label will come out.

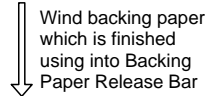
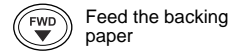
Notice:

In the case of setting label with L mode, remove label and press START BUTTON after pressing FWD BUTTON in order to feed label, which the numerical value will be registered.

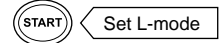
In the case of using the same label continuously, press FWD BUTTON in order to feed label until it passes Label Holder.

Take the registered numerical value back after pressing Auto/Manual BUTTON longer time. Then remove label and press START BUTTON.

In the case of using with C mode and P mode, the counting number will be increased by pressing START BUTTON even no label on the machine. If you want to count the number continuously, please notice that you don't press START BUTTON by mistake when setting the new label roll.



Remove backing paper



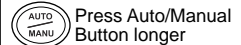
Press start button longer



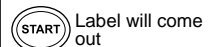
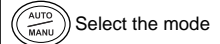
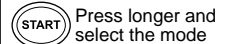
Set the label (See P.6)



Same kind of label roll



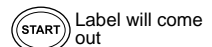
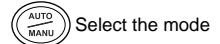
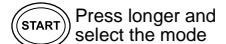
Revert to the registered length



Different kind of label roll



Set the L-mode (See P.8)



Other functions

As depends on the terms of use condition and what kind of label you use, additional adjustments will be necessary as follows.

In the case that label (backing paper) setting slants (illustration 1)

- Make some adjustments with Label Holder.
 - If label slants in left side, tighten the screw.
 - If label slants in right side, loosen the screw.

In the case that label doesn't remove well at Removal Plate (illustration 2)

- Make some adjustments with Label Holder Tension Adjust Screw as shown on illustration 2.
 - Make sure whether it will work properly after turning one screw adjustment.
 - Adjust the screw until label is removed definitely at Removal Plate.
 - If label is not removed properly even though screw adjustment is done to the end, please don't use the machine and contact the supplier.

In the case that label is wound loose or label is not wound (illustration 3)

- Turn Backing Paper Release Bar in the direction as shown on the illustration 3 while pressing Tension Adjust Button.
 - Make sure that it will work properly after making a half turn of Tension Adjust Button.
 - Make an adjustment until label winds into Backing Paper Release Bar.

Notice: Please don't turn counterclockwise as shown on the illustration 3.

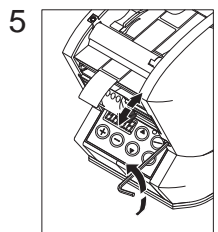
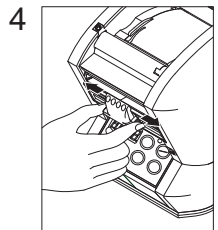
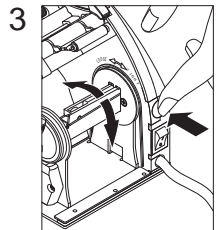
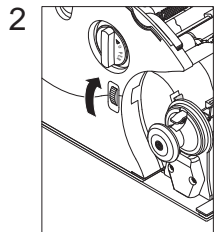
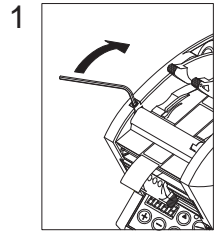
In the case that label is not detected (illustration 4-5)

- Move the sensor to the proper position by left and right as detects the label.
- Make some adjustment with Sensor Angle Adjust Screw to place in the middle of the label that stops at Removal Plate.

In the case of checking the sensibility of the sensor (illustration 4-5)

Please follow the instructions for the correct use.

- Turn the switch off after label stopping under the sensor.
- Turn the switch on while pressing START BUTTON.
 - Release START BUTTON after the sound of the peep.
 - Display the number from 0 to 100.
 - The sensibility of the sensor will be better as much as the number increased.
- Place the best position for the sensor by moving to left and right and by changing the angle.
- Press START BUTTON longer time and revert to the mode as you use.



Maintenance

■ Cleaning for the machine

Wipe the machine with some kind of the cloth permeates some natural detergent drop in the water.

■ In the area of the sensor

- Sensor will not detect the label if obstructs the orifice of the sensor.
- Wipe the lens of the sensor with some kind of cotton stick if dirties in the orifice of the sensor.

Please note that you don't make any scratches on the lens of the sensor.

■ Removal of the label

- When removing the label stuck on the machine, please remove the label as adhesive doesn't leave on the machine.
- When removing the label stuck on the roller inside machine, remove it by using minus screw driver and remove the cover.

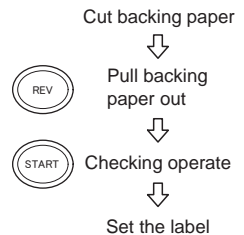
Error Message

When the machine stops with a buzzer, error message will be displayed as follows. In that case, please follow the normal procedure after solving the origin of the error.

E-01 Motor Stop

When Label is transferring, motor is overlorded and stopped.

- Cut the backing paper by cutter.
- Press Label Holder Lock Lever and lift Label Holder up from Removal Plate.
- Pull backing paper out while pressing REV BUTTON.
- Make sure that there is no stuck label around the roller.
 - When some stuck label on the roller is found, remove the body cover and clean it up.
 - When removing the body cover, make Label Holder wider and lift up by pushing left and right internally.
 - Press START BUTTON as it remains the above status and make sure that the roller works properly.
- Set the label as follow the normal procedure.



If roller doesn't rotate even though following the instructions and pressing REV BUTTON, please turn off and stop using the machine.



If something is wrong with the machine like display E-01 or machine stops by any accidents with no display of the error, please turn off and stop using the machine.



If motor stops and display disappears, please turn the switch off and turn the switch on after waiting for a few minutes. Although turning the switch on and nothing happens, please turn the switch off and stop using the machine.

Trouble shooting

Please check the followings before contacting the supplier.

Machine doesn't run even if turning the switch on	It remains unplug The fuse has blown out	Please make sure that it is definitely plugged. Please replace the new fuse. However, please stop using the machine if the fuse has constantly blown out.
Auto mode doesn't work	It is set as Manual mode There is some substances on the sensor Label doesn't pass through the sensor The source of light is close to the sensor	Please select the mode. Please remove the substances. Please place the sensor at the proper position. Please make sure that the source of the light doesn't reflect straight to the sensor. ※Please note that it can't be used in the terms of use condition or what kind of label you use.
Label Setting Mode differs from the one as registered		Label setting value is just for your reference. And it may differ from the one as display. In addition, there may be slight differences in the width of the label, Motor Speed Setting, and sensor angle.



If you still have any problems even though you check the detail as mentioned above, please contact your distributor or our company.

Specification

Model No.	LDX-60	LDX-120	LDX-180
Power Supply	100VAC, 120VAC, 220-240VAC		50/60Hz
Range of Input Voltage	± 5%		
Power Consumption	40 W	45 W	50 W
Outer Dimension	104 W x 140 H x 215 D (mm)	164 W x 157 H x 231 D (mm)	224 W x 157 H x 241 D (mm)
Weight	2.1kg	3.3kg	4.6kg
Material	Anti-Static ABS		
Adjustable Width of Label Holder	20~60 (mm)	20~120 (mm)	20~180 (mm)
Usable Width	15~60 (mm)	15~120 (mm)	15~180 (mm)
Usable Length	10~999mm		
Feed Speed	100mm/sec ~ 200mm/sec (Possible to adjust 6 level of the speed)		
Maximum Roll Diameter	Φ 200	Φ 250	Φ 300
Accessories	Hexagonal Spanner for Adjustment		

- In some cases, it doesn't work well as depends on the label and shape even if it is within the above specification.
- It is subject to change the specification without prior notice.

Warranty

We warrant to the original purchaser of the product that will be free from defects in material or workmanship for as long as the original purchaser owns the product, when given normal wear and proper usage.

The limited warranty for the machine shall be for a period of 180 days from the date of purchase.

- ◆ Was not damaged while being installed.
- ◆ Was operated in accordance with products's specifications, instructions and any technical support directions.
- ◆ Was not modified or damaged by tempering, user error, accident, disaster, abuse, misuse, power supply, power application, alternation, repair, modification, a fix or replacement by someone other than the original product.

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