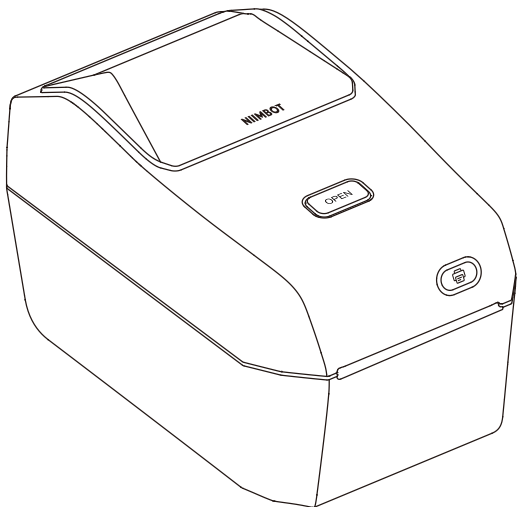


NIIMBOT

Product Manual

Smart Label Printer



NIIMBOT K3/K3_W

Safety Notice

Before using the printer, read the following precautions to avoid personal injury or damage to the device.

Precautions

- Place this product on a flat, stable surface.
- If you notice any unusual odors, heat, smoke, changes in color, deformation, or any other issues while using this product, immediately unplug the power cord and discontinue use.
- Do not disassemble this product. For inspections or repairs, please contact the official customer service.
- Do not drop, throw, hit, or handle this product improperly.
- Do not allow the printer to come into contact with water.
- Before cleaning this product, make sure the power is off and remove the power cord from the socket to avoid electric shock or fire.
- Do not use paint thinner, benzene, alcohol, or any other organic solvents to clean this product as it may damage the surface. Use a soft, dry cloth instead.
- Always use official, genuine NIIMBOT labels. This product warranty does not cover any malfunctions or damage caused by third-party labels.
- Do not expose label rolls to direct sunlight, high temperatures, high humidity or dust. Store them in a cool, dark place.

Safety Warnings

- The printhead generates heat. To avoid the risk of burns, do not touch the printhead or the surrounding components during or immediately after printing.

- Do not touch the printhead and connectors, as this may generate static electricity and damage the printhead.
- The tearing device has a sharp edge. To avoid injury, do not touch the tearing device with your fingers or other body parts.

Special Notes

Please purchase the version of the product that matches your region or country of use through the NIIMBOT official store or a NIIMBOT authorized sales agent. Purchasing the product through other channels may mean you buy a pirated product or a product not adapted to your region or country of use which may lead to usage issues. In such cases, NIIMBOT may be unable to provide you with further assistance.

01

About this product

Thank you for purchasing the NIIMBOT K3/K3_W Smart Label Printer. This thermal printer produces images by heating the label paper and does not require ink or carbon powder. Our label printers are designed to last and come with an after-sales service guarantee. Before use, please take a few minutes to read the operating and care instructions.

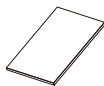
01-1 Package contents



Smart Label Printer *1



Label Paper Roll *1



Product Manual *1



USB data cable *1



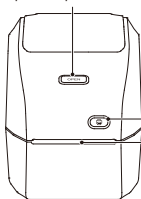
Power cord *1



Power supply unit*1

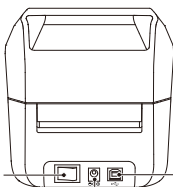
01-2 Product functions

Paper compartment release button



Paper feed button

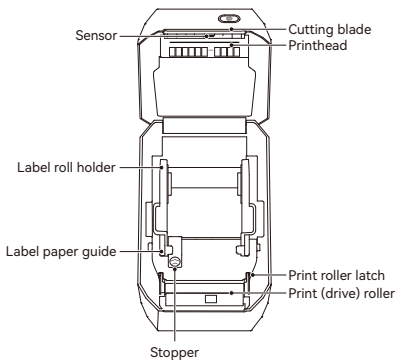
Paper outlet



Power switch

Power socket

USB-B interface



01-3 Button functions

Name	Action	Function description
Power button 	Toggle	Turn device on or off
Compartment release button 	Press down	Open paper compartment cover
Paper feed button 	Short press	Standby status: Feed a sheet of paper Print status: Cancel printing
	Long press	Standby status: Calibrate paper type
	Press twice	Standby status: Print testing page

01-4 Indicator light

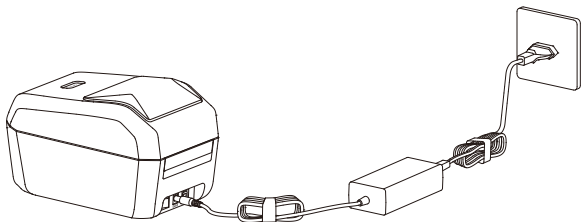
Color	Status	Description
-	Off	Power supply is off
Blue	Solid	Powered on but not connected
Blue	Flashing	Upgrading firmware
Green	Solid	Printer connected
Green	Flashing slowly	Transmitting data
Green	Flashing	Printing
Red	Solid	Printer fault. See "Troubleshooting"
White	Solid	The printer is connected to Wi-Fi (K3_W only)

02

Installation and use

02-1 Connecting the power supply

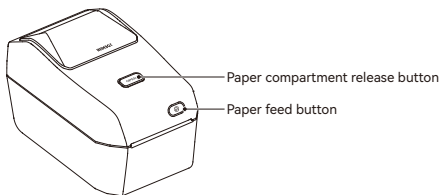
- 1 Confirm that the printer power switch is in the off (O) position.
- 2 Connect the power cord to the printer's DC power socket.
- 3 Plug the other end of the power cord into a suitable AC power outlet.
- 4 If the AC power outlet is switched on, the power indicator light will turn blue.



※Note:

1. Please use the official power adapter included with the printer to avoid damaging the product or causing other hazards.
2. If you do not plan to use the printer for an extended period, disconnect the power cord.

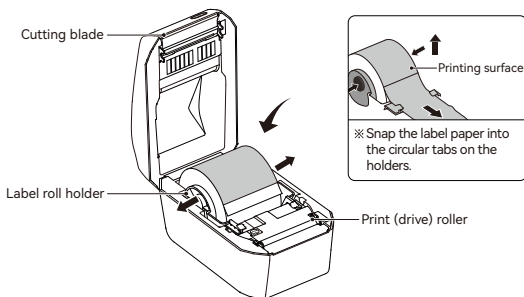
02-2 Loading label paper



- 1 Facing the front of the device, press the compartment release button to lift the paper compartment cover.



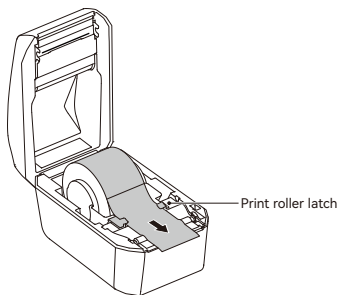
Note: Do not touch the cutting blade with your finger—risk of injury!



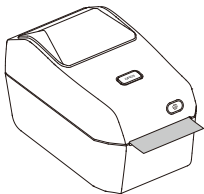
- 2 Adjust the label roll so that the printing surface will face up when passing

through the print (drive) roller. Pull the guides open with your free hand, then place the label roll on the roll holder and release the guides. Make sure the label roll can rotate freely.

 Note: Do not place the label roll at the bottom of the paper compartment.



- 3** Thread the label paper through the guides.



- 4** Close the paper compartment cover and press down until it clicks into place.

※Note:

1. If the label paper does not pass through the guides, the printed text will be offset.
2. If you do not pull the label paper out of the printer, this will result in a paper output error and you will not be able to print.

02-3 Software downloads

01.Download computer version

Visit the software downloads page on NIIMBOT's official website (www.niimbot.com) to download and install the computer version of "NIIMBOT ."

02.Download the app

To use this product, please download and install the NIIMBOT app, available from Google Play or the App Store on Apple devices.



NIIMBOT
Design & Print APP
easy to download and use



※ More instructions can be viewed in the NIIMBOT app

Sign in to NIIMBOT ▶ Me ▶ Help Center ▶ Hardware

02-4 Connecting external devices

01.USB connection

- ❶ This printer can be connected to an external device with a USB Type-B cable.
- ❷ Installation steps:
 - 1) Turn off the printer (O).
 - 2) Connect the USB data cable to the USB port on the back of the printer, then connect the printer.
 - 3) Turn on the printer.

02.Bluetooth connection

- ❶ Press the power switch to turn on the printer.
- ❷ Open the "NIIMBOT" app.
- ❸ Select the printer and follow the onscreen prompts to pair the printer with your device.

03.Wi-Fi connection (K3_W only)

- ❶ To connect from the mobile app:
 - 1) Turn on the printer.
 - 2) Open the "NIIMBOT" app.
 - 3) Follow the onscreen prompts to establish a connection.
- ❷ To connect from a computer:
 - 1) Turn on the printer.
 - 2) Connect the printer to your computer using a USB data cable.
 - 3) Open the "NIIMBOT" computer app.
 - 4) Follow the onscreen prompts to establish a connection.

03

Installing the Windows driver

03-1 Downloading the driver

Navigate to the official NIIMBOT website (www.niimbot.com), and select Download Center - Third-Party Driver Downloads to obtain the driver for installation.

03-2 Installing the driver

- 1 Select the printer



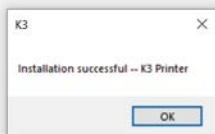
- 2 Select the USB option.



- 3 Once connected, the computer will automatically display the USB port.



- ④ The driver is now successfully installed.



04

Printer maintenance

Regular maintenance is required in order to ensure optimal printing results.

※ Note: Before cleaning the printer, turn off the power and remove the power cord.

04-1 Cleaning the device exterior

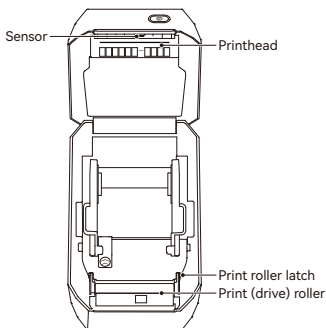
Use a soft, dry cloth to wipe dust and stains off the device. For stubborn stains, use a slightly damp cloth.

※ Note: Do not use paint thinner, benzene, alcohol or any other organic solvent, as these may cause deformation or damage to the printer housing.

04-2 Cleaning the printhead

- 1 Before cleaning the printhead, switch off the printer and disconnect the power supply.
 - 2 Rub a cleaning pen across the dark area of the printhead. Clean from the middle to the outside to move adhesive transferred from the edges of the printhead outside of the label path.
 - 3 Wait one minute to allow the printer to dry, then close the compartment cover.
- ※ Note: The printhead becomes hot while printing. To avoid damaging the printhead and prevent personal injury, do not touch the printhead.

ESD warning: The discharge of electrostatic energy that accumulates on the surface of the human body can damage the printhead or electronic components used in this device. Always observe static-safe procedures when working with the printhead or the electronic components under the top cover.

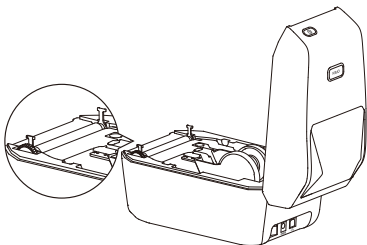


04-3 Cleaning the sensor

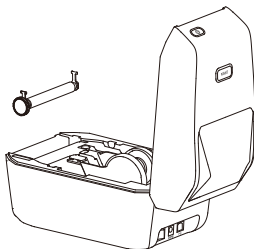
- 1 Dust may accumulate on the sensor. Gently brush away dust; if necessary, use a dry swab. If adhesives or other contaminants remain, remove them using an alcohol moistened swab.
- 2 Use a dry swab to remove any residue that may be left from the first cleaning.
- 3 Repeat steps 1 and 2 as required until all residue and streaks are removed from the sensor.
- 4 Wait one minute to allow the printer to dry, then close the compartment or insert a label roll.

04-4 Cleaning and replacing the print roller

- 1 Open the compartment cover and remove the label paper.
- 2 Press the tabs on the left and right sides out, then rotate them up.



- 3 Lift the print roller out of the printer's bottom frame.



- 4 Use a cleaning swab dipped in alcohol or a lint free cloth to clean the print roller, cleaning from the center toward the outer edges. Repeat this process until the surface of the print roller is completely clean. If there is heavy adhesive build-up or labels are jammed, repeat with a new swab to remove residual contaminates.

- 5 Insert the print roller back into the printer's bottom frame.
- 6 Rotate the tabs back and snap them into place.
- 7 Wait one minute to allow the printer to dry, then close the compartment or insert a label roll.

05

Troubleshooting

01.Solid red indicator light

Possible reason	Solution
Compartment cover is not closed	Check and close the compartment cover
No labels	No label paper is loaded. See Loading label paper
Label paper is not pulled out of the label compartment	Pull the label paper out of the label compartment and close the paper compartment cover
The printhead temperature is too high	Stop printing and wait until the printhead cools, then resume printing.
Printing error	Follow the onscreen prompts in the app.

02.Cannot find printer with Bluetooth

Possible reason	Solution
The printer is not turned on.	Connect the power supply and move the power switch to the on position.
The limit for connected devices has been exceeded.	Disconnect the Bluetooth connections to other devices and search again.
Bluetooth is not enabled on your mobile device.	Enable Bluetooth on your mobile device.

03. Cannot find printer with USB connection

Possible reason	Solution
The printer is not turned on.	Connect the power supply and move the power switch to the on position.
USB cable is not connected.	See USB connection
The required driver is not installed	See Installing the driver

04. Cannot find printer with Wi-Fi

Possible reason	Solution
The printer is not turned on.	Connect the power supply and move the power switch to the on position.
Unsupported printer model	The Wi-Fi function is only available on the K3_W.
The printer is not connected to the network.	See Wi-Fi connection
The printer and app are not on the same local area network.	Make sure the printer and app are on the same local area network.

05. Printer does not print or stops printing

Possible reason	Solution
No power.	If the printer status light is off, check that the power cord is properly connected.
Paper feed error	See Paper feed error
USB cable is loose	Check for a loose connection at the back of the printer or on the computer
Bluetooth is disconnected	Check that the printer is paired with the app over Bluetooth.
Wi-Fi is disconnected	Check that the printer is paired with the app over Wi-Fi.

06.Printing is not clear

Possible reason	Solution
The print density settings are not correct.	Adjust the print density.
The printhead is dirty.	Clean the printhead. See Cleaning the printhead.
The print roller is dirty or damaged.	Clean or replace the print roller. See Cleaning and replacing the print roller.
The printhead is worn out.	Please contact the official customer service to request a replacement printhead.
Third-party label paper	We recommend using official NIIMBOT supplies.

07.No content printed on labels

Possible reason	Solution
The printer was loaded with non-thermal label paper.	Use thermal label paper.
Label paper is not loaded correctly.	The label paper's printing surface must face upward toward the printhead. See Loading label paper

08.Paper feed error

Possible reason	Solution
Label paper is not loaded correctly.	See Loading label paper.
Paper jam	Open the compartment cover and pull the jammed paper out of the print roller, then reload it.
No label paper.	Replace the label paper.
Incorrect label type	Use the same type of label paper that you selected in the app.

06

Product Specifications

Specification		NIIMBOT K3	NIIMBOT K3_W
Size	Dimensions	232*145*148mm	
	Weight	1.2KG	
Printing	Printing method	Thermal	
	Resolution	203dpi	
	Printing speed	Max 180mm/s	
	Effective print width	80mm	
	Print length	15mm-300mm	
	Printhead lifespan	80km	
Communication interfaces	Bluetooth	Yes	
	USB	USB Type-B	
	Wi-Fi	No	Supports 2.4G
Power supply	Adapter	24V /2.5A	
Consumables	Type	Die-cut labels	
	Width	20mm - 82mm	
	Length	15mm - 300mm	
	Thickness	0.08mm - 0.20mm	

Specification		NIIMBOT K3	NIIMBOT K3_W
Consumables	Paper roll diameter	max 105mm	
	Inside diameter of roll core	25.4mm 、 40mm	
Programming language		CPCL/NIIMBOT Protocol	
Software	Label design	NIIMBOT(APP & PC)	
	Driver	Win7 /10/11	
Built-in fonts		Chinese GB18030 16x16 dot matrix, 24x24 dot matrix	
		English: Ascii 8*16 dot matrix, 12*24 dot matrix	
Barcode	One-dimensional	UPC-A、UPC-C、EAN13、EAN8、code 39、code 93、I2OF5、code 128、codabar	
	Two-dimensional	PDF-417、QR code	
Controls	Power switch	Rocker power switch	
	Buttons	Paper feed button	
	Indicator light	Red/Green/Blue	Red/Green/Blue/white
Ambient conditions	Working	0 to 45°C, 10 to 85% RH (non-condensing)	
	Storage	-10 to 60°C, 10 to 90% RH (non-condensing)	

07

Label paper

For best results, we recommend using official NIIMBOT supplies. Our specially designed label products improve print performance and prevent premature wear of the printhead.

01.Verifying label compatibility

- ❶ With ordinary thermal label paper, you can scratch the print surface of the medium with a fingernail or pen cap.
 - ❷ Official NIIMBOT thermal label paper offers improved thermal-resistant and waterproof performance.
 - ❸ Use a lighter to heat up the paper to test whether any black marks appear on the label paper.
- ※ 1. If a black mark appears on the paper, then the label is made from a thermal material and is supported by this printer.
2. If there is no black mark, then the label is a thermal transfer label and requires the use of a carbon ribbon, which is not supported by this printer.

02.Label type

Label type	Paper feed type	Description
Non-continuous roll	Spaced	Each label is separated by gaps.
	Black Mark	Pre-printed black marks on the back of the media are used to indicate label separations.

Label type	Paper feed type	Description
Non-continuous roll	Transparent	The labels are made from a transparent material, and each label is separated by gaps.

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