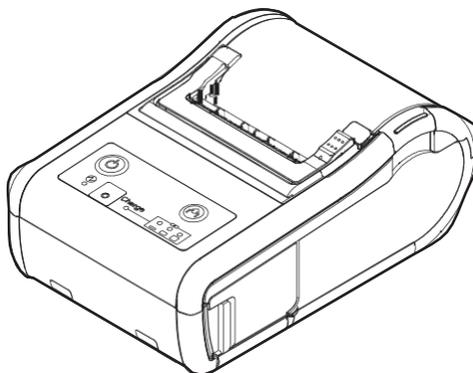
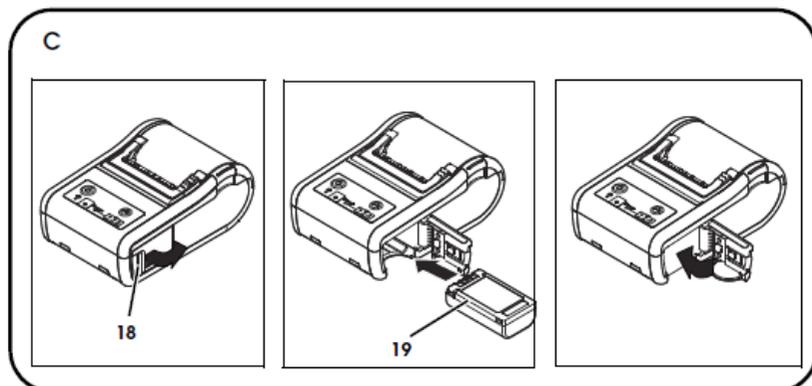
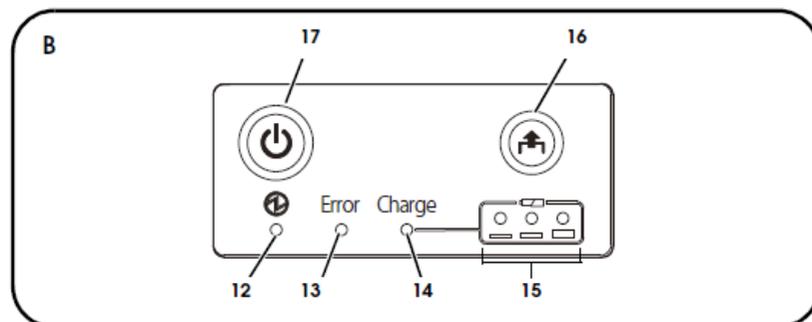
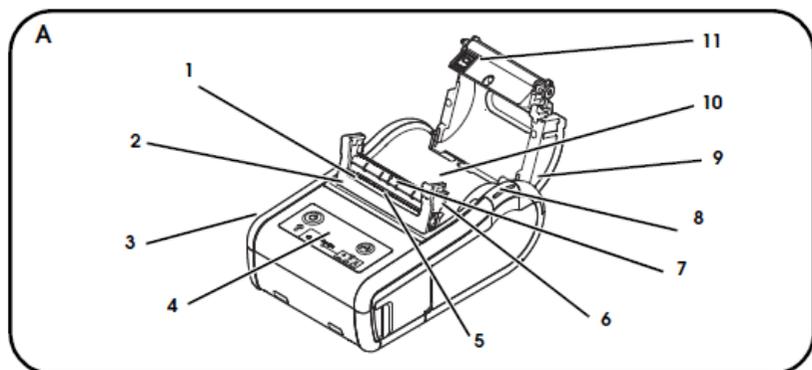


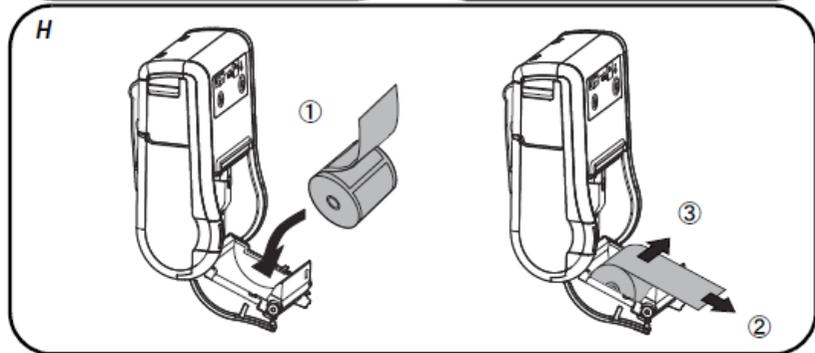
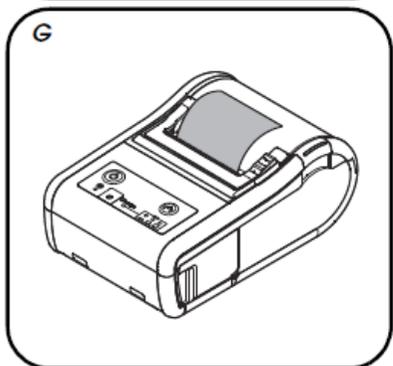
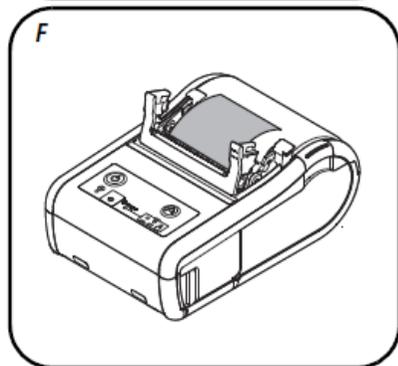
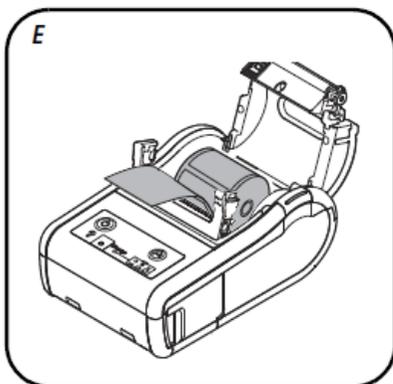
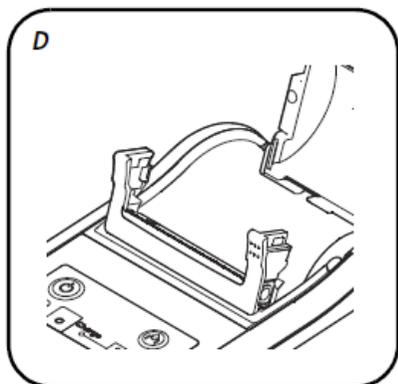
TM-P60II with Peeler

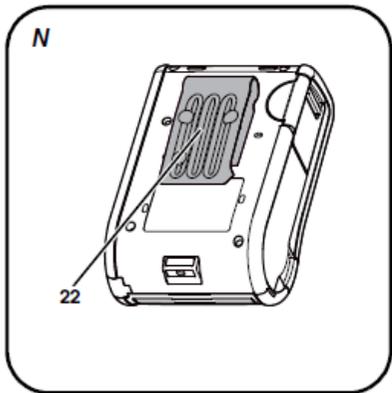
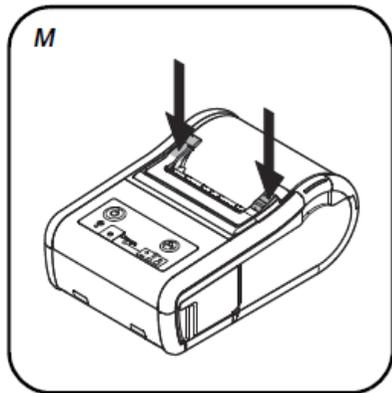
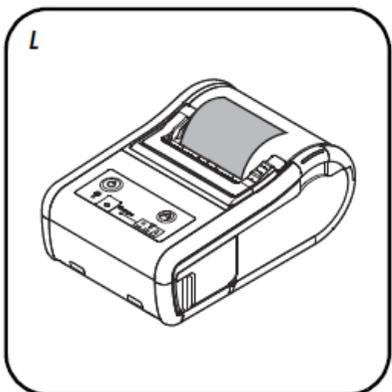
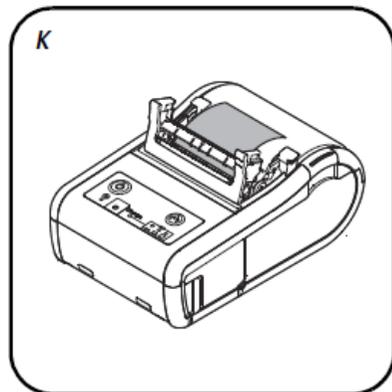
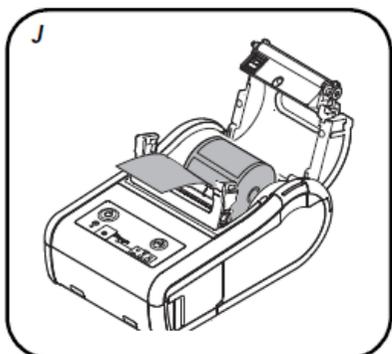
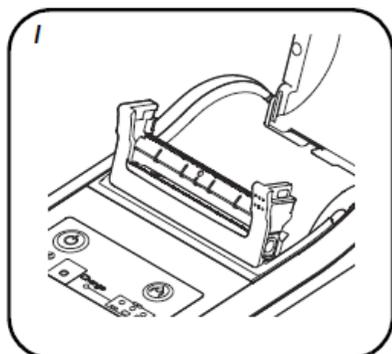
User's Manual

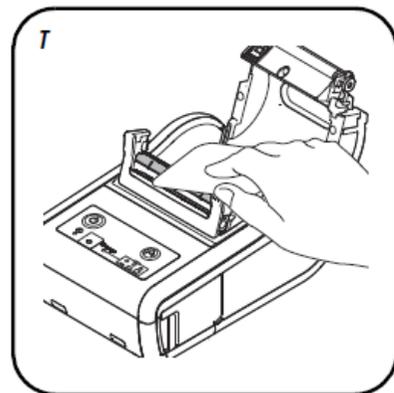
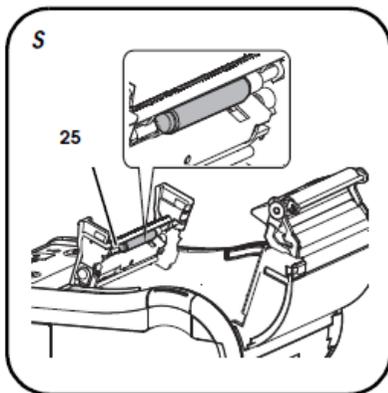
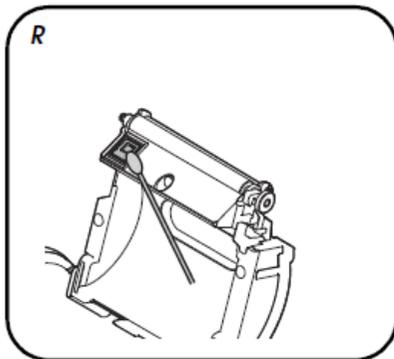
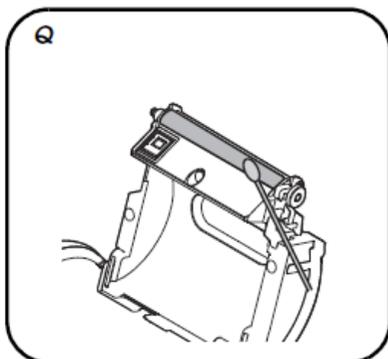
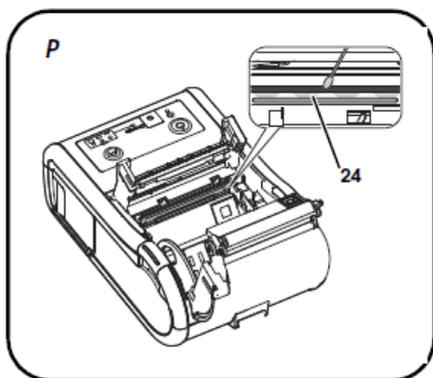
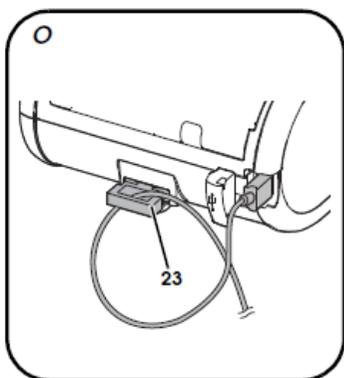


412456401









For American Users

WARNING:

The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. **Wash hands after handling.** (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code §25249.5 and following.)

Standards and Approvals

The following standards are applied only to the printers that are so labeled. (EMC is tested using EPSON power supplies.)

Europe: CE Marking CE Marking

For Wi-Fi models (Model: M292C)

Directive: 1999/5/EC

EN300 328

EN301 893

EN301 489-1

EN301 489-17

EN60950-1

EN62311

For Bluetooth models (Model: M292D)

Directive: 1999/5/EC

EN300 328

EN301 489-1

EN301 489-17

EN60950-1

EN62311

North America: FCC Class B, ICES-003 Class B

We, Seiko Epson Corporation, hereby declare that the equipment Models, M292A and M292B, are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

WARNING

The connection of a non-shielded printer interface cable to this printer will invalidate the EMC standards of this device.

You are cautioned that changes or modifications not expressly approved by Seiko Epson Corporation could void your authority to operate the equipment.

FCC Compliance Statement For American Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

À l'intention des utilisateurs canadiens

Cet appareil numérique de Classe B est conforme à la norme canadienne NMB-003.

FCC DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: EPSON AMERICA, INC.
Located at: MS 3-13
3840 Kilroy Airport Way
Long Beach, CA 90806
Telephone: 562-290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909 Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: EPSON
Type of Product: Printer
Model: M292C, M292D

Türkiye'deki kullanıcılar için

AEEE Yönetmeliğine Uygundur.

Для українських користувачів

Обладнання відповідає вимогам Технічного регламенту обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні.

Indication of the manufacturer and the importer in accordance with requirements of directive 2011/65/EU (RoHS)

Manufacturer: SEIKO EPSON CORPORATION
Address: 3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502, Japan
Telephone: 81-266-52-3131 Fax: 81-266-52-8409

Importer: EPSON EUROPE B.V.
Address: Azië building, Atlas ArenA, Hoogoorddreef 5, 1101 BA Amsterdam Zuidoost, The Netherlands
Telephone: 31-20-314-5000

English

Illustrations

All of the illustrations are at the beginning of this manual. They are identified by letters (A, B, C . . .). Some of the illustrations have numbers in them. See the list below for the meaning of the numbers. The text has references to the letters and the numbers. For example: "See Illustration A" or "See A 6." ("A 6" means number 6 on Illustration A.)

Illustration A:

1. Label peeler sensor
2. Peeler cover
3. Charging connector
4. Control label
5. Manual cutter
6. Peeler switch lever
7. Peeler holder
8. Open button
9. Roll paper cover
10. Roll paper holder
11. Paper sensor

Illustration B

12. Power LED
13. Error LED

14. Charge LED

15. Battery LED

16. Feed button

17. Power button

Illustration C

18. Battery cover

19. Battery

Illustration D

Illustration E

Illustration F

Illustration G

Illustration H

20. Open button

21. Roll paper cover

Illustration I

Illustration J

Illustration K

Illustration L

Illustration M

Illustration N

22. Belt clip

Illustration O

23. Wire saddle

Illustration P

24. Thermal head

Illustration Q

Illustration R

Illustration S

25. Roller

Illustration T

Cautions

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation. No patent liability is assumed with respect to the use of the information contained herein. While every precaution has been taken in the preparation of this book, Seiko Epson Corporation assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein. Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.

Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those designated as Original EPSON Products or EPSON Approved Products by Seiko Epson Corporation.

Depending on the area, the interface cable may be included with the product. If so, use that cable.

Seiko Epson Corporation shall not be held liable for any damage resulting from electromagnetic interference that occurs from the use of any interface cables other than those designated as Epson approved products by Seiko Epson Corporation.

EPSON is a registered trademark of Seiko Epson Corporation in Japan and other countries/regions.

NOTICE: The contents of this manual are subject to change without notice.

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Important Safety Information

This section presents important information intended to ensure safe and effective use of this product. Read this section carefully and store it in an accessible location.

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.



DANGER:

Dangers must be observed carefully to avoid serious injury or death.



WARNING:

Warnings must be observed carefully to avoid serious bodily injury.



CAUTION:

Cautions must be observed to avoid minor injury to yourself, damage to your equipment, or loss of data.



Note:

Notes have important information and useful tips on the operation of your product.

Safety Precautions



WARNING:

Shut down your equipment immediately if it produces smoke, a strange odor, or unusual noise. Continued use may lead to fire. Immediately unplug the equipment and contact your dealer or a Seiko Epson service center for advice.

Never attempt to repair this product yourself. Improper repair work can be dangerous.

Never disassemble or modify this product. Tampering with this product may result in injury or fire.

Be sure to use the specified power source, EPSON PS-11 (Model: M235A).

Connection to an improper power source may cause fire.

Do not allow foreign matter to fall into the equipment. Penetration by foreign objects may lead to fire.

If water or other liquid spills into this equipment, do not continue to use it. Continued use may lead to fire. Unplug the equipment immediately and contact your dealer or a Seiko Epson service center for advice.



CAUTION:

Do not connect cables in ways other than those mentioned in this manual. Different connections may cause equipment damage and burning.

When connecting a USB cable, do not stress the connector part. Doing so may damage that part.

Be careful not to drop this product. The product may break or cause injury if it is dropped.

Do not use in locations subject to high humidity or dust levels. Excessive humidity and dust may cause equipment damage or fire.

Do not place heavy objects on top of this product. Never stand or lean on this product. Equipment may fall or collapse, causing breakage and possible injury.

To ensure safety, unplug this product before leaving it unused for an extended period.

Before moving the product, unplug it and unplug all cables connected to it.

Take care not to injure your fingers on the manual cutter

- *When you remove printed paper*
- *When you perform other operations such as loading/replacing roll paper*

Do not use aerosol sprayers containing flammable gas inside or around this product. Doing so may cause fire.

Safety Precautions on the Chargeable Battery Pack



DANGER:

If any liquid from the battery gets into your eyes, promptly wash it out with clean water for more than 10 minutes and consult your doctor at once. If you do not, the liquid may cause loss of eyesight.

Never disassemble or modify the battery pack. This may cause fire, explosion, leakage, overheating or damage.

Do not expose the battery to fire or heat it. This may cause fire, explosion, leakage, overheating or damage.

⚠WARNING:

If you notice a strange odor, overheating, discoloration, distortion, or other abnormality of the battery, remove it from the printer or charger, and do not use it. Continued use may cause overheating, fire or explosion.

Immediately move the battery pack away from fire or flame if it produces a strange odor or leakage. Leaked electrolyte may flash off, leading to fire or explosion.

Should any battery liquid get on skin or clothing, promptly wash it off with clean water. If you do not, the liquid may damage your skin.

Do not expose the battery to water. Do not allow water to contact the terminals. This may cause fire, overheating, or electric shock.

Be sure to use and charge the specified battery OT-BY60II. Using a battery other than the one specified may cause fire, explosion, leakage, overheating, or other damage.

Safety Label

The caution label on the product indicates the following precaution.

⚠CAUTION:

During printing or after printing, the thermal head can be very hot.

Restriction of Use

When this product is used for applications requiring high reliability/safety, such as transportation devices related to aviation, rail, marine, automotive, etc.; disaster prevention devices; various safety devices, etc.; or functional/precision devices, etc.; you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety, such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care, etc., please make your own judgment on this product's suitability after a full evaluation.

Notes on Use

- ❑ The printer does not operate only with the AC adapter. Always install the enclosed battery OT-BY60II in the printer even when using the AC adapter.
- ❑ Be sure to use the power switch to turn the printer on and off.
- ❑ To communicate with a computer via a USB cable, connect the cable before turning on the printer.
- ❑ To use the USB cable, it is recommended to secure it to avoid stress on it.
- ❑ Be sure not to open the roll paper cover when the printer is operating.
- ❑ Protect the printer from impact.
- ❑ Do not apply excessive force to the printer case.
- ❑ Do not place food or beverages such as coffee on the case of the printer.
- ❑ When the wireless connection is ended while the printer is offline, reconnection may not be possible. In such case, remove the cause of offline and reconnect it.
- ❑ If you establish a radio connection between the host computer and the printer each time you start printing instead of maintaining the connection, it may take a while between the time you send a print job and the time that the printer actually starts printing. This happens because connecting the host computer and the printer requires some time. The time required for connection depends on the operating environment.

Notes on Power Supply

Battery Pack

Before using the printer for the first time, charge the battery OT-BY60II. To install and charge the battery, see "Installing and Charging Battery."

Also read the safety precautions for the chargeable battery described previously in this manual.



WARNING:

Be sure to use the battery OT-BY60II. Using a battery other than the one specified may cause fire, explosion, leakage, overheating or other damage.



CAUTION:

Dispose of used batteries according to the instructions.

External Power Supply

This product uses a listed power unit marked "Class 2" or "LPS," with the output voltage of either maximum 1.0 A at DC12 V, or maximum 1.5 A at DC 24V.

With the optional AC adapter EPSON PS-11 [Model: M235A], the output voltage is maximum 1.5 A at DC 24V, and the input voltage is AC 100V to 240 V.

Recycling the Batteries

Contains a lithium-ion battery. Must be recycled or disposed of properly.



Note:

Do not disassemble the battery pack.



For American Users

The lithium-ion battery is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.

Unpacking

The following items are included for the standard specification printer. If any item is damaged, contact your dealer.

- Printer
- Roll paper
- Battery pack (Model: OT-BY60II) and its User's Manual
- USB cable
- Wire saddle
- User's Manual (this manual)

Downloading Drivers, Utilities, and Manuals

Further product information is written in the TM-P60II Technical Reference Guide.

The latest versions of drivers, utilities, and manuals can be downloaded from one of the following URLs.

For customers in North America, go to the following web site:

<http://www.epsonexpert.com/> and follow the on-screen instructions.

For customers in other countries, go to the following web site:

<http://download.epson-biz.com/?service=pos>

Part Names

See Illustrations **A** and **B**.

Control Panel (LEDs and Buttons)

The control panel has the power LED, Error LED, Charge LED, Battery LED, Feed button, and power button. See **B 12** through **B 17**.

Power LED (Green) (B 12)

Power LED	Meanings
On	Power is on.
Off	Power is off.
Flashing	The printer is powering-off.

Error LED (Orange) (B 13)

Printer condition	Error LED	Meanings
Power On	On	Printer is offline (paper out, power-on initialization, roll paper cover open, the remaining battery charge is at S level).
	Off	Printer is in normal operation, is running a self-test, or feeding paper using the Feed button.
	Flashing	The thermal head is too high in temperature, roll paper cover was opened during printing, autocutter malfunction, abnormality in a memory R/W check, power supply voltage is extremely high/low, the CPU has executed an incorrect address, or abnormality in internal circuit connection.

Charge LED (Orange) (B 14)

Printer condition	Charge LED	Meanings
Power On and battery installed	On	The battery is being charged.
	Off	The battery is fully charged.
	Flashing	There is abnormality in battery charging.

Battery LED (Blue) (B 15)

Printer condition	Battery LED	Error LED	Battery charge status	Meanings
Power On	3 LEDs On	Off	Level H	-
	2 LEDs On	Off	Level M	-
	1 LED On	Off	Level L	You can continue printing, but replacement or charge of the battery is recommended.
	1 LED flashing	Off	Level S *	Replace or charge the battery. (Printing may stop in the middle.)
	On	Replace or charge the battery. (The printer is unable to print.)		
Power on and buzzer sounds.	3 LEDs Off	On	Level E	Replace or charge the battery.

*You can select whether to continue printing or to stop printing when only 1 LED flashes.

Power button (B 17)

Press this button to turn the power on or off. To turn the power off, hold the button for more than 2 seconds.

Feed button (B 16)

Press this button to feed paper.

Installing and Charging Battery

Follow the steps below to install and charge the battery.

Note:

The battery can be charged only when the temperature is 0 ~ 40°C {32 ~ 104°F}.

1. Make sure that the printer is turned off.
2. Slide the battery cover (C 18) to open it.
3. Install the battery (C 19), and close the battery cover.
4. Connect the AC adapter to the printer. See illustration A 3 for the Charging Connector. Charging starts.



Note:

Charging will take approximately 2.5 hours with the AC adapter or with the optional battery charger OT-CH60II. For detailed information on the battery charger, see its user's manual. The time described above is the time required to charge a battery pack that is fully discharged.

Charging the battery at 35°C {95°F} or higher activates the internal temperature control of the printer, which may require a longer charging time than the specified one. The Charge LED flashes while charging the battery.

Switching Issuing Mode

You can switch the issuing mode between the label continuous issuing mode and the label peeler issuing mode by folding the peeler holder under the peeler cover.

Installing or Replacing Roll Paper

Follow the steps below to install or replace the roll paper.



CAUTION:

Be sure to use roll paper that meets the specifications.



Note:

Do not use the roll paper that have the paper glued to the core.

When Using the Label Continuous Issuing Mode

1. Press the open button (A 8) to open the roll paper cover (A 9) and the peeler cover (A 2).
2. Remove the used roll paper core if there is one.
3. Fold the peeler holder (A 7) under the peeler cover (A 2). This covers the label peeler sensor (A 1). See illustration D.

When installing the label paper horizontally

4. Set a new roll of paper inside the roll paper holder, and pull the leading edge of the roll paper. See illustration E.



Note:

Note the direction the paper comes off the roll.

5. Close the roll paper cover. See illustration F.
6. Close the peeler cover. See illustration G.

When installing the label paper vertically

4. Set a new roll of paper inside the roll paper cover. See ① in illustration H.



Note:

Be sure that the roll paper side is at the bottom when you install the printer vertically.

5. Pull the leading edge of the roll paper. See ② in illustration **H**.
6. Align the left edge of the roll paper with the edge of the cover. See ③ in illustration **H**.

 **Note:**

Note the direction the paper comes off the roll.

7. Close the roll paper cover and the peeler cover.

When Using the Label Peeler Issuing Mode

1. Press the open button (**A 8**) to open the roll paper cover (**A 9**) and the peeler cover (**A 2**).
2. Remove the used roll paper core if there is one.
3. Press the peeler switch lever (**A 6**) to lift the peeler holder (**A 7**). See illustration **I**.

When installing the label paper horizontally

4. Set a new roll of paper inside the roll paper holder. Remove the first label off, and pull the label paper so you can set the backing paper in the peeler holder (**A 7**). See illustration **J**.

 **Note:**

Note the direction the paper comes off the roll.

5. Close the roll paper cover. See illustration **K**.
6. Close the peeler cover. See illustration **L**.

When installing the label paper vertically

4. Set a new roll of paper inside the roll paper cover. See ① in illustration **H**.

 **Note:**

Be sure that the roll paper side is at the bottom when you install the printer vertically.

5. Pull the leading edge of the roll paper. See ② in illustration **H**.
6. Align the left edge of the roll paper with the edge of the cover. See ③ in illustration **H**.

 **Note:**

Note the direction the paper comes off the roll.

7. Close the roll paper cover and the peeler cover.

 **Note:**

Removing the issued label enables the label peeler detector to detect a paper end and the printer to issue the next label.

If the first label is not removed when using the label peeler issuing mode, the thickness of the label and the backing paper overloads the peeler holder, possibly stopping the paper feed motor.

When closing the peeler cover, make sure to close it firmly, pressing both ends.

*See illustration **M**.*

You can cut the label paper

When the label is completely fed to the peeling position, the printer goes in the label removal waiting state, so remove the label.

When the label peeler detector detects the paper at the power on, the printer goes in the label removal waiting state and the Error LED comes on. Be sure to remove the label before powering off the printer. Otherwise, the printer goes into the label removal waiting state when it is powered on again.

Changing the Paper Width

You can change the paper width from 29.5 to 60 mm {1.16 to 2.36"} by removing the spacer installed in the roll paper holder and changing the setting for the paper width. For detailed information on changing the paper width, see the TM-P60II Technical Reference Guide.

Belt Clip

You can hang the printer on your belt using the belt clip (**N 22**) attached to the back of the printer.

Wire Saddle

To prevent the USB cable from coming off the connector, attach the enclosed wire saddle (**O 23**) to the printer. See illustration **O**.

Buzzer

The factory default is set to On (buzzer sounds) to indicate the following:

- Remaining battery charge is not adequate
- Roll paper end
- Error

Troubleshooting

No lights on the control panel

Check that the battery is installed.

ERROR LED is flashing or on

- The printer temperature may be too high. The printer resumes printing automatically when the temperature returns to normal.
- Make sure that the roll paper cover is properly closed.
- Make sure that roll paper is installed.
- When the printer power is on, if the Error LED and the Charge LED are on, the remaining battery charge is not enough for printer operation. The battery must be fully charged.
- When the battery is being charged, if the Error LED is on, an abnormality has occurred. The battery must be replaced with a new one.
- Turn off the power, wait several seconds, and then turn it on again. If the error remains, contact a qualified service person.
- In the label peeler issuing mode, the ErrorLED may flash when a label blocks the label peeler detector. In this case, remove the label. If you cannot remove the label, reload the label roll paper or press the FEED button for more than 1 second to execute a forced paper feed.

Cleaning the Thermal Head



CAUTION:

After printing, the thermal head can be very hot. Be careful not to touch it and to let it cool before you clean it. Do not damage the thermal head by touching it with your fingers or any hard object.

Turn off the printer, open the peeler cover and the roll paper cover, and clean the thermal elements of the thermal head (**P 24**) with a cotton swab moistened with an alcohol solvent (ethanol or IPA).

Epson recommends cleaning the thermal head periodically (generally every 3 months) to maintain print quality.

Cleaning the Platen Roller/Paper Sensor

When paper dust accumulates on the platen rollers or the paper sensor, follow the steps below to clean them. To maintain good functional capabilities, clean them regularly (every 6 months).

1. Turn off the printer, open the peeler cover, and then the roll paper cover.
2. Clean the platen roller and the paper sensor with a cotton swab lightly moistened with water or alcohol. See illustration **Q, R**.
3. Close the roll paper cover after the water or alcohol has dried.

Cleaning the Peeler Unit

After the peeler is used for a prolonged period of time, the glue from the labels accumulates on the rollers (**S 25**) of the peeler unit. If you leave the rollers in such a condition, the glue may stick to issued labels, or a paper jam may occur. To prevent malfunctions and maintain good print quality, clean the rollers regularly (every 20,000 labels).

You can clean them easily if you use a label, as shown in illustration **T**.

 **Note:**

Do not use any alcohol based solvents for cleaning. Such solvents may enter the roller shaft and cause a malfunction of the peeler.

TM-P60II with Peeler Specifications

Print method	Thermal line printing	
Print density	203 dpi × 203 dpi [dpi: dots per 25.4 mm (dots per inch)]	
Printing direction	Unidirectional with friction feed	
Printing width (default)	60-mm paper width receipt: 54 mm {2.13"}, 432 dot positions 60-mm wide backing paper, 56-mm wide label: 50 mm {1.97"}, 400 dot positions	
Paper	Roll paper width	29.5 mm {1.16"}, 36 mm {1.42"}, 42 mm {1.65"}, 48.5 mm {1.91"}, 55 mm {2.17"}, 58 mm {2.28"} (default), 60 mm {2.36"}
	Usable type of paper	<ul style="list-style-type: none"> • Di-cut label paper (with/without black mark)
	Roll paper external diameter	Max. 51 mm {2.01"}
	Roll paper core external diameters	<ul style="list-style-type: none"> • For di-cut label paper: 31.4 mm {1.24"} or more • For receipt paper: 18.0 mm {0.71"} or more
	Specified thermal paper	<ul style="list-style-type: none"> • Di-cut label paper: (Osaka Sealing Printing) V9NS5 (MACtac) DTM9502
Max. Print speed	(when printing with a fully charged new battery and 100% print resolution at 25°C {77°F}) <ul style="list-style-type: none"> • 100 mm/s {3.94"/s} (when printing on receipt paper) • 80 mm/s {3.15"/s} (when printing on label paper in label continuous issuing mode) • 40 mm/s {1.57"/s} (when printing on label paper in label peeler issuing mode) • 40 mm/s {1.57"/s} (when printing ladder bar codes or 2-dimensional symbols) 	
Paper feed speed	<ul style="list-style-type: none"> • 100 mm/s {3.94"/s} (when printing on receipt) • 80 mm/s {3.15"/s} (when printing on label paper in label continuous issuing mode) • 40 mm/s {3.15"/s} (when printing on label paper in label peeler issuing mode) 	
Line spacing (default)	3.75 mm {0.148"}	
Interface	<ul style="list-style-type: none"> • USB (Compliance: USB 2.0, communication speed: Full-speed (12 Mbps)) • Wireless (Bluetooth®/IEEE802.11a/b/g/n) 	
Receive buffer	4,096 bytes	
Specified battery	Lithium-ion battery: Product name: OT-BY60II, Trade name: Seiko Epson Corporation Input: DC 7.4 V, Capacity: 2000 mAh	
Power supply voltage	Input voltage: Either max. 1.0 A at DC12 V, or max. 1.5 A at DC 24V (When using the optional AC adapter EPSON PS-11 [Model: M235A]) Output voltage: Max. 1.5 A at DC 24V, Input voltage: AC 100V to 240 V	

Power consumption		<ul style="list-style-type: none"> • Stand-by: (0.25W)/230V (when using PS-11) • Charging: (15W)/230W (when using PS-11)
Charging time for battery		Approx. 2.5 hours *To charge a new battery fully from 0% at normal temperature when the printer is Off
Temperature /humidity	During battery charge	0 to 45°C {32 to 113°F}, 10 to 90% RH
Temperature /humidity	During operation	<ul style="list-style-type: none"> • When using battery only: 0 to 45°C {32 to 113°F}, 10 to 90% RH • When using battery and PS-11: 0 to 40°C {32 to 104°F}, 10 to 90% RH
	During storage	High temperature and humidity: 45°C {113°F}, 90%RH Abnormal operations not found when the printer is left under the environment of 25°C {77°F}, 60% RH for 2 hours after it was left in the following conditions: <ul style="list-style-type: none"> • High temperature: 70°C {158°F} for 120 hours • Low temperature: -25°C {-13°F} for 120 hours
Overall dimensions		103 × 159 × 65 mm {4.1 × 6.3 × 2.6"} (W × D × H)
Weight (Mass)		Approx. 613 g {1.35 lb} (including battery and belt clip, excluding roll paper)

Note: For the battery specifications, see its User's Manual.

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