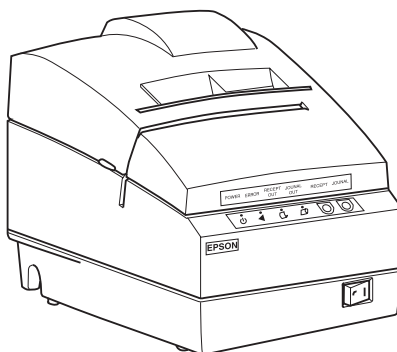


two-station receipt printer

RP-U420

User's Manual



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Standards and Approvals

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

Europe: CE marking
Oceania: AS/NZS CISPR22 Class A

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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.

CE Marking

The printer conforms to the following Directives and Norms:

Directive 2004/108/EC EN 55022 Class A
EN 55024
EN 61000-4-2
EN 61000-4-3
EN 61000-4-4
EN 61000-4-5
EN 61000-4-6
EN 61000-4-11

Directive 90/384/EEC EN45501

Safety Precautions

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

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. Connection to an improper power source may cause fire.

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

If water or other liquid spills into this equipment, unplug the equipment immediately, and then contact your dealer or a Seiko Epson service center for advice. Continued usage may lead to fire.

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

CAUTION:

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

Be sure to set this equipment on a firm, stable, horizontal surface. Product may break or cause injury if it falls.

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, please unplug this product prior to leaving it unused for an extended period.

Warning and Caution labels

The warning and caution labels on the product indicate the following precautions.



WARNING:

Do not connect a telephone line to the drawer kick-out connector; otherwise the printer and the telephone line may be damaged.



CAUTION:

During printing or after printing, the print 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.

Downloading Drivers, Utilities, and Manuals

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.

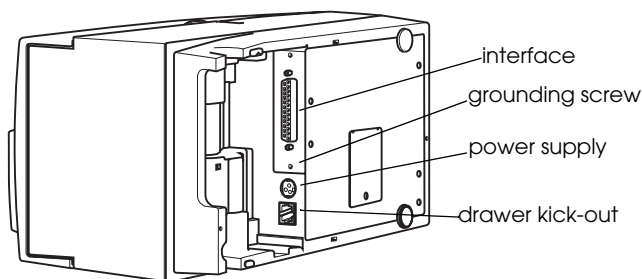
For customers in other countries, go to the following web site:
<http://www.epson-pos.com/>

Unpacking

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

- ☐ Printer
- ☐ Ribbon cassette
- ☐ Switch cover
- ☐ Stamp unit
- ☐ Roll paper × 2
- ☐ Take-up spool
- ☐ RP-U420 User's Manual (this book)

Connectors



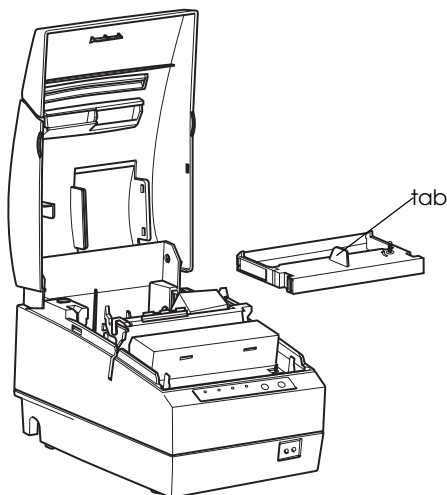
Installing the Ribbon Cassette

Use the EPSON ERC-32 ribbon cassette for your printer. The use of any ribbon cassettes other than those approved by Epson may damage the printer and will void the warranty.

CAUTION:

Never turn the ribbon knob in the opposite direction of the arrow marked on the cassette; otherwise the ribbon cassette may be damaged.

1. Be sure the printer is not receiving data when you replace a ribbon cassette; otherwise data may be lost.
2. Open the cover.



3. If you are replacing a used ribbon, grasp the end of the tab and remove it from the printer.

4. Turn the ribbon knob two or three times in the direction of the arrow to take up any slack in the ribbon.
5. Insert the ribbon cassette in the printer until it clicks and rotate the cassette's knob two or three times. This is necessary to place the ribbon in the correct position. Make sure that the ribbon is installed below the printer head without wrinkles or creases.

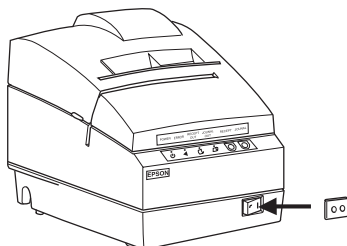
If the ribbon is not installed correctly, remove the cassette and repeat steps 4 & 5 above.

Using the Power Switch Cover

WARNING:

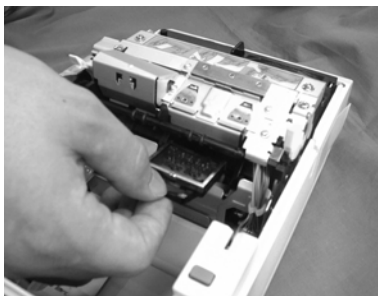
If an accident occurs when the power switch cover is attached, unplug the DC cable immediately. Continued usage may lead to fire.

You can use the power switch cover to make sure that the power switch is not accidentally pressed. If you want to use this cover, install it as shown in the illustration below.



Installing the Stamp Unit

Referring to the illustration below, insert the stamp unit into the correct position in the printer.



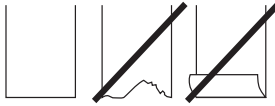
CAUTION:

Please check the stamp print from time to time to prevent the stamp print from becoming too light.

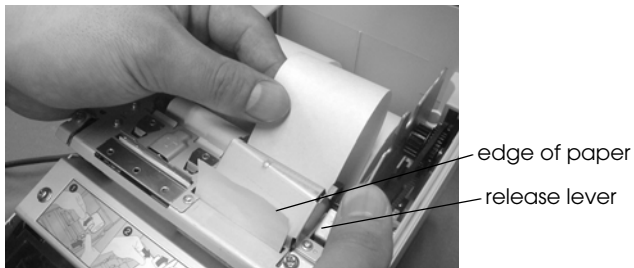
Installing the Roll Paper

Use a roll paper that matches the printer's specifications. See page 10 for paper specifications.

1. Make sure that the edge of the paper is straight, as shown on the left side of the illustration below.



2. Turn on the printer and open the printer cover.
3. Insert the roll paper in both the receipt and journal sides of the printer.
4. For each roll, insert the tip of the paper into the paper inlet while pressing the release lever so that the tip of the paper comes out of the paper exit.



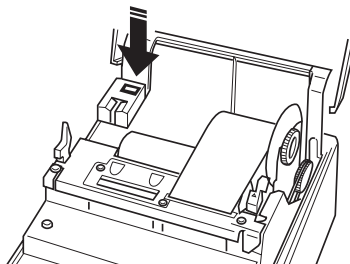
5. If the paper was not fed far enough, press the FEED button to feed additional paper.
6. Insert the tip of the journal paper into the groove on the take-up spool and rotate the spool two or three times to secure the paper. Be sure that the right side of the paper is aligned with the spool's flange.
7. Install the take-up spool and close the printer cover.

Note:

You need to replace the used roll paper with new one when PAPER OUT or JOURNAL OUT light is on.

Stamp Button

When you want to check if a stamp is installed correctly and its print quality, push the blue button shown below to do stamp printing.



Troubleshooting

The ERROR light is flashing and the printer does not print.

First, turn off the printer and check for a paper jam.

If there is no paper jam, turn off the printer and turn it back on after about 10 seconds. If the ERROR light is still flashing, contact a qualified service person.

The printer sounds like it is printing, but nothing is printed.

The ribbon cassette may be worn out or not installed properly. Re-install or replace it as described in this manual.

Paper is jammed inside the printer.



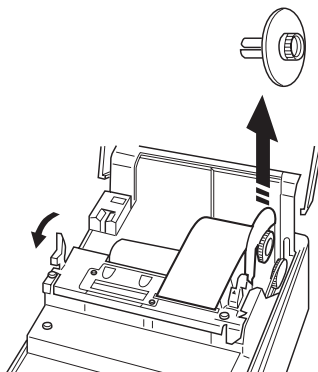
CAUTION:

Do not touch the print head because it can be very hot after printing continuously for a long time.

Do not move the print head carriage. Moving the carriage may cause abnormal noise during printing and the printing position may be shifted.

To clear a paper jam, follow the steps below:

1. Turn the printer off, open the printer cover, and remove the take-up device.



2. Pull up two release levers forward, then lift the clamshell backward.
3. After lifting the clamshell, remove the paper.
4. Push back the clamshell back until it clicks into place.
5. Put the take-up device back in the printer.
6. Reinstall the roll paper; then turn the power on to start operation.

RP-U420 Specifications

Print method:	9-pin serial impact dot matrix
Print fonts:	7 × 9 (ANK)/16 × 9 (Chinese) with 2 position column spacing
cpl: characters per line	ANK: Receipt/Journal: 24, Validation: 55 Chinese: Receipt/Journal: 12, Validation: 27
Print speed:	3 lps (excluding data transfer and processing time)
Maximum print positions:	Receipt/Journal: 216 dots Validation: 495 dots Dot space: approximately 0.17 mm {0.0067"} (half dot pitch)
Printing direction:	Bi-directional
Ribbon specifications:	ERC-32 Life: 4,000,000 characters (DC 24 V, 25°C, energizing width, 7 × 9 font, receipt/Journal 9 + 9 columns, continuous printing, ASCII code hex 20-5F rolling pattern printing)
Paper specifications:	
Paper feed method:	Friction feed
Paper feed pitch:	4.23 mm {1/6"}
Fast paper feed speed:	Receipt issue: Continuous paper feeding: 30 lps Other fast printing: Maximum 12 lps
Roll Paper:	Type: High quality roll paper Width: 44.5 ± 0.5 mm {1.75 ± 0.02"} Thickness: 0.06 - 0.09 mm {0.002 - 0.004"} Mass: 52.3 - 64.0 g/m ² Maximum diameter: 83 mm {3.27"}
Validation Paper:	Normal paper Dimensions: 135 × 70 to 210 × 70 mm {5.32 × 2.76 to 8.27 × 2.76"} Thickness: 0.07 - 0.14 mm {0.0028 - 0.0055"} Copy paper (Normal paper + carbon paper or pressure sensitive copy paper) Dimensions: 135 × 70 to 210 × 70 mm {5.32 × 2.76 to 8.27 × 2.76"} Number of sheets: 2 ply (1 original and one copy) maximum Total thickness: 0.14 mm {0.0055"} maximum
Power supply*1:	DC +24 V ± 5% (optional power supply: EPSON PS-180)
Temperature:	Operating: 5 to 45°C {41 to 113°F} Storage: -10 to 50°C {14 to 122°F} (except for paper and ribbon)
Humidity:	10 to 90% without condensation (except for paper and ribbon)
Reliability:	Life: 8,000,000 lines MCBF: 20,000,000 lines Print head life: 300,000,000 dots/wire Autocutter life: 800,000 cuts

lps: lines per second

cpi: characters per 25.4 mm (characters per inch)

*1: Be sure to use a safety-standards-applied power source that meets the following specifications.

Rated output: 24 V/2.0 A or more, Maximum output: 240 VA or less

WEEE (Waste Electrical and Electronic Equipment) Directive

This information only applies to customers in the European Union, according to Directive 2002/96/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 January 2003 on waste electrical and electronic equipment (WEEE) and legislation transposing and implementing it into the various national legal systems.

For other countries, please contact your local government to investigate the possibility of recycling your product.



English

The crossed out wheeled bin label that can be found on your product indicates that this product should not be disposed of via the normal household waste stream. To prevent possible harm to the environment or human health please separate this product from other waste streams to ensure that it can be recycled in an environmentally sound manner. For more details on available collection facilities please contact your local government office or the retailer where you purchased this product.

Deutsch

Der Aufkleber mit durchgekreuzter Mülltonne an diesem Produkt weist darauf hin, dass dieses Produkt nicht im normalen Hausmüll entsorgt werden darf. Zur Vermeidung einer möglichen Beeinträchtigung der Umwelt oder der menschlichen Gesundheit und um zu gewährleisten, dass es in einer umweltverträglichen Weise recycelt wird, darf dieses Produkt nicht in den Hausmüll gegeben werden. Informationen zu Entsorgungseinrichtungen erhalten Sie bei der zuständigen Behörde oder dem Geschäft, in dem Sie dieses Produkt erworben haben.

Français

L'étiquette apposée sur ce produit et représentant une poubelle barrée indique que le produit ne peut être mis au rebut avec les déchets domestiques normaux. Afin d'éviter d'éventuels dommages au niveau de l'environnement ou sur la santé, veuillez séparer ce produit des autres déchets de manière à garantir qu'il soit recyclé de manière sûre au niveau environnemental. Pour plus de détails sur les sites de collecte existants, veuillez contacter l'administration locale ou le détaillant auprès duquel vous avez acheté ce produit.

Italiano

L'etichetta con il contenitore barrato applicata sull'imballo indica che il prodotto non deve essere smaltito tramite la procedura normale di smaltimento dei rifiuti domestici. Per evitare eventuali danni all'ambiente e alla salute umana, separare questo prodotto da altri rifiuti domestici in modo che possa essere riciclato in base alle procedure di rispetto dell'ambiente. Per maggiori dettagli sulle strutture di raccolta disponibili, contattare l'ufficio competente del proprio comune o il rivenditore del prodotto.

Español

La etiqueta de un contenedor tachado que hallará en su producto indica que este producto no se puede tirar con la basura doméstica normal. Para impedir posibles daños medioambientales o para la salud, separe este producto de otros canales de desecho para garantizar que se recicle de una forma segura para el medio ambiente. Para más información sobre las instalaciones de recolección disponibles, diríjase a las autoridades locales o al punto de venta donde adquirió este producto.

Português

A etiqueta com o símbolo de um contentor de lixo traçado com uma cruz que aparece no produto indica que este produto não deve ser deixado fora juntamente com o lixo doméstico. Para evitar possíveis danos no ambiente ou na saúde pública, por favor separe este produto de outros lixos; desta forma, terá a certeza de que pode ser reciclado através de métodos não prejudiciais ao ambiente. Para obter mais informações sobre os locais de recolha de lixo disponíveis, contacte a sua junta de freguesia, câmara municipal ou local onde comprou este produto.

Nederlands

Op uw product is een label van een rolcontainer met een kruis erdoor aangebracht. Dit label wil zeggen dat dit product niet bij het normale huishoudelijk afval mag worden ingezameld. Om eventuele schade aan het milieu of de gezondheid van de mens te voorkomen moet dit product gescheiden van al het ander afval worden ingezameld, zodat het op een verantwoorde wijze kan worden verwerkt. Voor meer informatie over uw lokale afvalinzameling wendt u zich tot uw gemeente of de leverancier bij wie u dit product hebt gekocht.

Dansk

Etiketten med et kryds over skraldespanden på hjul, der sidder på produktet, angiver, at dette produkt ikke må bortskaffes sammen med almindeligt husholdningsaffald. For at beskytte miljøet og helbred skal dette produkt bortskaffes separat, så det kan genbruges på en måde, der er god for miljøet. Kontakt de lokale myndigheder eller den forhandler, hos hvem du har købt produktet, vedrørende steder, hvor du kan aflevere produktet.

Suomi

Laite on merkitty jäteastia-symbolilla, jonka yli on vedetty rasti. Tämä tarkoittaa, ettei laitetta saa hävittää normaalin talousjätteen mukana. Älä hävittä laitetta normaalin jätteen seassa vaan varmista, että laite kierrätetään ympäristöystävällisellä tavalla, jotta ympäristölle tai ihmisille aiheudu vahinkoa. Lisätietoja kierrätyksestä ja keräyspisteistä saa ottamalla yhteyttä paikallisiin viranomaisiin tai jälleenmyyjään, jolta laite ostettiin.

Svenska

Symbolen med en överkorsad soptunna innebär att denna produkt inte får kastas i vanligt hushållsavfall. För att skydda miljön ska denna produkt inte kastas tillsammans med vanligt hushållsavfall utan lämnas för återvinning på tillbörligt sätt. För mer information om uppsamlingsplatser kontakta din lokala myndighet eller den återförsäljare där du har köpt produkten.

Norsk

Det er krysset over merket av beholderen på hjul som vises på produktet, som angir at dette produktet ikke skal kastes sammen med vanlig husholdningsavfall. Hold dette produktet atskilt fra annet avfall slik at det kan resirkuleres på en miljømessig forsvarlig måte og dermed forhindre eventuell skade på miljøet eller helse. Hvis du vil ha mer informasjon om hvor produktet kan leveres inn, kontaktér du kommunale myndigheter eller forhandleren der du kjøpte dette produktet.

Česky

Štítek s přeškrtnutým odpadkovým košem na kolečkách, který lze nalézt na výrobku, označuje, že tento produkt se nemá likvidovat s běžným domovním odpadem. V zájmu ochrany životního prostředí a lidského zdraví zlikvidujte tento výrobek jako tříděný odpad, který se recykluje způsobem šetrným k životnímu prostředí. Podrobnější informace o sběrných dvorech pro tříděný odpad získáte na obecním úřadě nebo u prodejce, u kterého jste příslušný výrobek zakoupili.

Magyar

A terméken található, áthúzott szemetest ábrázoló címke azt jelzi, hogy ezt a terméket nem szabad a rendes háztartási szeméttel együtt kidobni. Az esetleges környezeti- vagy egészségkárosodást megelőzendő, kérjük, hogy ezt a terméket a többi szeméttől elkülönítve helyezze el, és biztosítsa, hogy azt környezetbarát módon újrahasznosítsák. A rendelkezésére álló begyűjtő létesítményekről kérjük tájékozódjon a megfelelő helyi állami szerveknél vagy a vízszonteladónál, ahol a terméket vásárolta.

Polski

Symbol przekreślonego kosza znajdujący się na produkcie oznacza, że nie może on być utylizowany razem z normalnymi odpadami z gospodarstwa domowego. Aby zapobiec potencjalnemu zagrożeniu dla środowiska lub zdrowia ludzkiego, produkt ten należy oddać osobie od reszty odpadów z gospodarstwa domowego i używać w ekologicznie właściwy sposób. Szczegółowe informacje na temat punktów zbiórki odpadów można uzyskać w lokalnych urzędach lub u sprzedawcy danego produktu.

Slovensky

Štítok s přeškrtnutým odpadkovým košom na kolieskach, ktorý je možné nájsť na výrobku, označuje, že tento produkt sa nemá likvidovať s bežnými komunálnymi odpadom. V záujme ochrany životného prostredia a ľudského zdravia zlikvidujte tento výrobok ako triedený odpad, ktorý sa recykluje spôsobom šetrným k životnému prostrediu. Podrobnejšie informácie o zberných dvoroch pre triedený odpad získate na obecnom úrade alebo u predajcu, u ktorého ste príslušný výrobok zakúpili.

Slovenski

Predčrtan koš za smeti na etiketi, katero lahko najdete na vašem izdelku, pomeni, da tega izdelka ne smete odvreči podobno kot vse ostale smeti. Da bi preprečili morebitne škodljive vplive na okolje ali zdravje, ločite izdelek od vseh ostalih in poskrbite, da bo recikliran na okolju prijazen način. Natančne informacije o tem, kje se nahajajo primerna odlagališča, pridobite v vašem krajevnem uradu ali pri prodajalcu.

Eesti

Teie tootele kleebitud tähis, mis kujutab ratastega prügikonteinerit, millele on rist peale tõmmatud, keelab toote kõrvaldamise majapidamisesjäätmestega sarnasel viisil. Keskkonnale või inimeste tervisele tekitatava võimaliku kahju vältimiseks eraldage toode teistest jättemetest, et tagada selle korduvkasutamine keskkonnasäästlikul viisil. Kui soovite saada rohkem teavet võimalike kogumispunktide kohta, võtke ühendust kohaliku omavalitsuse ametnikuga või teile toote müündud jaemüüjaga.

Lietuviškai

Užbraukta ratuota šiukšliadėžės etiketė, kurią rasite ant jūsų produkto, reiškia, kad šis produktas neturėtų būti išmestas kartu su įprastinėmis buitinėmis šiukšlėmis. Siekiant išvengti galimos žalos aplinkai bei žmonijai sveikatai, prašome atskirti šį produktą nuo kitų atliekų, ir įsitikinti, kad jis būtų perdirbtas aplinkai nepavojingu būdu. Jei reikia išsamesnės informacijos apie atliekų surinkimo ypatumus, prašome kreiptis į savo vietos valdžios įstaigas arba į mažmeninį pardavėją, iš kurio jūs įsigijote šį produktą.

Latviski

Marķējums ar pārsvītrotu atkritumu tvertni uz rītenīšiem, kas redzams uz izstrādājuma, norāda, ka šo izstrādājumu nedrīkst likvidēt kopā ar parastajiem sadzīves atkritumiem. Lai novērstu iespējamu kaitējumu videi vai cilvēku veselībai, lūdzu, atdaliet šo izstrādājumu no citiem atkritumiem, tādējādi nodrošinot tā atsevišķu pārstrādi videi drošā veidā. Papildinformācijai par pieejamajām atkritumu savākšanas iespējām, lūdzu, sazinieties ar vietējo pašvaldību vai mazumtirgotāju, no kura jūs iegādājāties šo izstrādājumu.

Ελληνικά

Η διαγραμμένη ετικέτα του τροχοφόρου κάδου απορριμμάτων που θα βρείτε πάνω στο προϊόν σας υποδεικνύει ότι αυτό το προϊόν δεν πρέπει να απορριπτείται μέσω του κανονικού δικτύου αποκομιδής οικιακών απορριμμάτων. Για να αποτρέψετε πιθανές επιπτώσεις στο περιβάλλον ή την ατομική υγεία, παρακαλούμε να διαχωρίσετε αυτό το προϊόν από άλλα δίκτυα αποκομιδής ώστε να διασφαλίσετε ότι είναι δυνατή η ανακύκλωσή του με έναν περιβαλλοντικά θεμιτό τρόπο. Για περισσότερες πληροφορίες σχετικά με τις διαθέσιμες δυνατότητες συλλογής απορριμμάτων, παρακαλούμε να επικοινωνήσετε με την τοπική κυβερνητική αρχή ή το κατάστημα λιανικής από όπου αγοράσατε αυτό το προϊόν.

Türkçe

Ürününüzün üzerinde bulunan çarpi işaretli tekerlekli kutu etiketi, bu ürünün normal ev atık sistemi vasıtasıyla elden çıkarılmaması gerektiğini gösterir. Çevreye ve insan sağlığına zarar vermemeyi önlemek için, lütfen bu ürünü çevreye zarar vermeyecek şekilde geri dönüşüme tabi tutulmak üzere diğer atıklardan ayırın. Mevcut toplama tesisleri ile ilgili ayrıntılı bilgi edinmek için, yerel devlet makamlarına veya bu ürünü satın aldığınız satıcıyla irtibata geçin.

Română

Eticheta arătând un coș de gunoi tăiat cu două linii încreșcate, care poate fi găsită pe produs, indică faptul că acesta nu trebuie aruncat la gunoi laolaltă cu gunoiul menajer. Pentru a evita posibila degradare a mediului înconjurător sau a sănătății umane, colectați separat acest produs de gunoiul menajer pentru a vă asigura că poate fi reciclat într-un mod ecologic. Pentru mai multe detalii privind punctele disponibile de colectare, contactați autoritățile locale sau comerciantul de la care ați achiziționat acest produs.

Български

Етикетът, представляващ зачертано кошче за боклук в кръг, който можете да видите върху вашия продукт, означава, че този продукт не трябва да се изхвърля заедно с обикновените домакински отпадъци. За предпазване от евентуални щети върху околната среда или човешкото здраве, моля, отделете този продукт от останалите отпадъци, за да се гарантира, че той ще бъде рециклиран по екологично съобразен начин. За повече информация относно наличните места за събиране на отпадъци, моля, свържете се с местните власти или търговеца, от когото сте закупили този продукт.

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