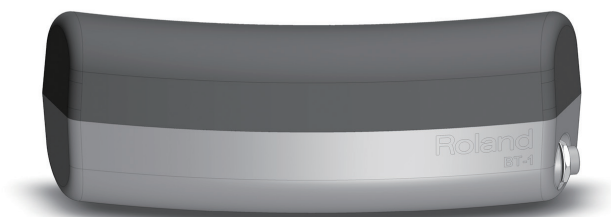




BT-1

Bar Trigger Pad

Owner's Manual



Roland



* 5 1 0 0 0 3 1 5 6 4 - 0 3 *

USING THE UNIT SAFELY

Before using this unit, carefully read the sections entitled “USING THE UNIT SAFELY” and “IMPORTANT NOTES”. These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature of your new unit, read Owner’s manual should be read in its entirety. This manual should be saved and kept on hand as a convenient reference.

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠ WARNING

Do not disassemble or modify by yourself

Do not open or perform any internal modifications on the unit.



Do not repair or replace parts by yourself

Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the “Information” page.



Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Humid; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness.



⚠ WARNING

Precautions regarding placement of this unit on a stand

Be sure to follow the instructions in the Owner’s Manual carefully when placing this unit on a stand (p. 5).

If it is not set up properly, you risk creating an unstable situation which could lead to the unit falling and may result in injury.



Don’t allow foreign objects or liquids to enter unit

Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.



Adults must provide supervision in places where children are present

When using the unit in locations where children are present, be careful so no mishandling of the unit can take place. An adult should always be on hand to provide supervision and guidance.



Do not drop or subject to strong impact

Protect the unit from strong impact.
(Do not drop it!)



CAUTION

Avoid climbing on top of the unit, or placing heavy objects on it

Never climb on top of, nor place heavy objects on the unit.



CAUTION

Keep small items out of the reach of children

To prevent accidental ingestion of the parts listed below, always keep them out of the reach of small children.

- Included Parts
Bolts, Spacers (p. 4)



IMPORTANT NOTES

Placement

- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on this unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Additional Precautions

- Use a reasonable amount of care when using its output jack. Rough handling can lead to malfunctions.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- This instrument is designed to minimize the extraneous sounds produced when it's played. However, since sound vibrations can be transmitted through floors and walls to a greater degree than expected, take care not to allow these sounds to become a nuisance others nearby.
- The rubber portion of the striking surface is treated with a preservative to maintain its performance. With the passage of time, this preservative may appear on the surface as a white stain, or reveal how the pads were struck during product testing. This does not affect the performance or functionality of the product, and you may continue using it with confidence.
- Continuous playing may cause dis-coloration of the pad, but this will not affect the Pad's function.

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Getting Started

Main Features

- A bar-type single trigger pad that you can strike with the shoulder of your stick
- Can be attached to the hoop of a V-Drums mesh pad or your acoustic drum
Also supports commercially-available rod type mounts and V-Drums stand pad mounts
- The BT-1 is designed to minimize unintended triggering, and can be used as a pad switch for changing kits or starting/stopping songs
- Compact design that won't obstruct your playing

What's in the Package

- BT-1
- Attachment (for rod type mount)
- Attachment bolt x 2
- Spacer (S) x 1, (L) x 1
- Connection cable
- Owner's manual



Attachment



Attachment bolts

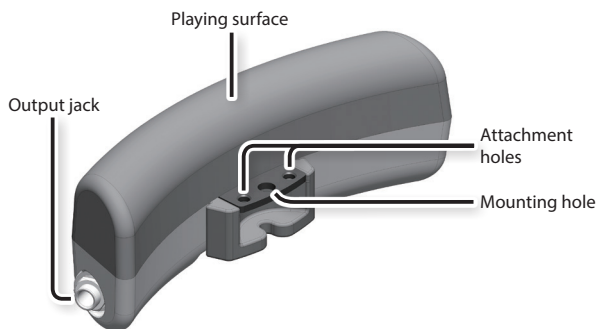


Spacer (S)



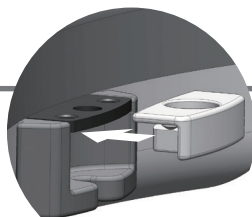
Spacer (L)

Parts Descriptions



About the spacer

When shipped from the factory, the spacer (S) is installed and you can use the BT-1 as it is. When attaching the BT-1 to the hoop of the PDX-100 or PD-85, replace the spacer (S) with the spacer (L).



Settings

The BT-1 can be attached to the hoop (tuning bolt) of a V-Drums mesh pad or your acoustic snare or tom.

By using the included attachment, you can also attach it to a commercially-available stand (rod type mount) or to the pad mount of a V-Drums stand.

Attaching the BT-1 to a Drum Hoop

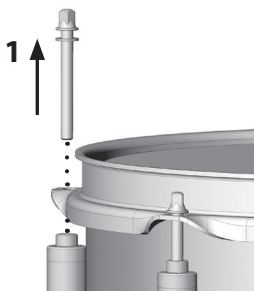
NOTE

When the BT-1 is attached on the hoop of an acoustic drum or V-Drums pad, striking the BT-1 will cause the drum it is mounted on to sound. If this presents a problem, the BT-1 can be mounted on a stand (p. 6).

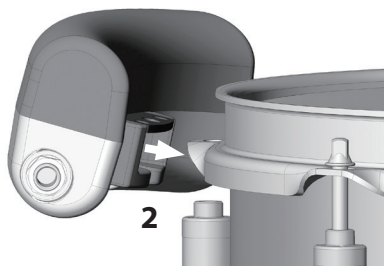
- * Depending on the shape of the hoop, it might not be possible to attach the BT-1 correctly (p. 12).
- * The BT-1 cannot be attached to the hoop of a bass drum.
- * The BT-1 cannot be attached to the PDX-8 or PDX-6.
- * In order to attach the BT-1 to a PDX-100 or PD-85, you must first install the spacer (L).

1. Remove the tuning bolt from the location where you want to attach the BT-1.

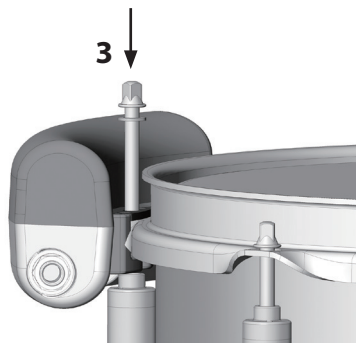
- * If the head is strongly tensioned, slightly loosen the entire head before you proceed.



2. Lay the mounting hole of the BT-1 over the bolt hole of the hoop.



3. Attach the tuning bolt.



4. Adjust the tension of the head.

- * Strikes on the BT-1 may affect the tension of the head.

Attaching the BT-1 to a Stand

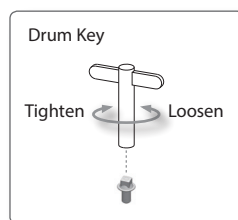
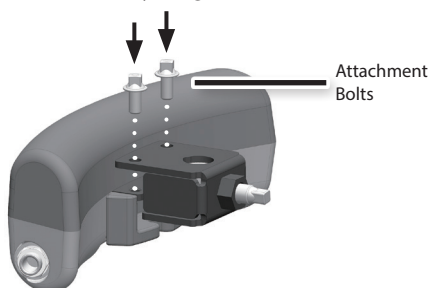
In order to attach the BT-1 to a stand (rod type mount), you must first install the included attachment on the BT-1.

Installing the attachment

1. Install the attachment on the BT-1 as shown in the illustration.

Use the included attachment bolts to fasten the attachment securely.

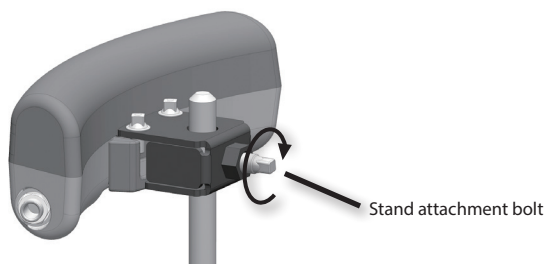
- * Remove the spacer.
- * Use your own drum key to tighten the bolts.



Attaching the BT-1 to a stand

1. Attach the BT-1 to the rod of the stand, and tighten the stand attachment bolt.

- * When attaching the BT-1 to the stand, be sure to tighten the stand attachment bolt securely. If any of them remain loose, the pad could fall off.



MEMO

When attaching the BT-1 to a commercially available rod type mount, check the dimensions of the rod. Depending on the dimensions of the rod, it may not be possible to attach the pad to the rod.

Acceptable rod diameters: 8.0–12.5 mm (3/8–1/2 inch)

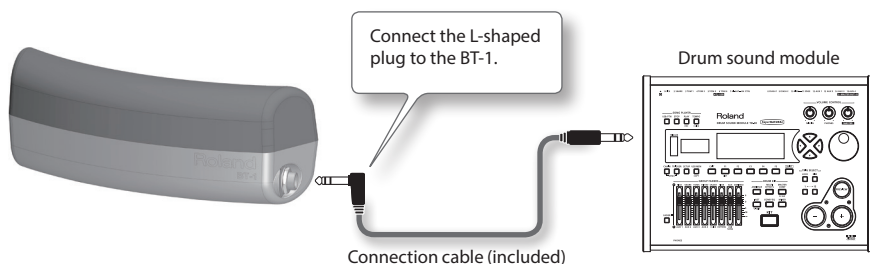
Connecting to a Drum Sound Module

Use the included cable to connect the BT-1 to your drum sound module.

- * To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

1. Use the included cable to connect the BT-1's output jack to a trigger input of your drum sound module.

- * You must use a stereo cable. Operation will not be correct if any other cable is used.
- * When connecting the BT-1 to a TD-15, TD-11, TD-9, or TD-4, you can also use the cable included with the drum sound module.



2. Make the trigger parameter settings for the drum sound module.

For details on parameter values recommended for each sound module, refer to p. 8.

3. Strike the BT-1 and verify that it is operating correctly.

MEMO

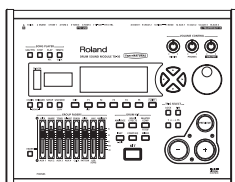
- The BT-1 is a single trigger pad. It cannot distinguish strikes on its head and rim.
- With some drum sound modules, the BT-1 will function as the rim trigger of a pad. In this case, we recommend that no sound or control function (e.g., pad pattern) be assigned to the "head" of the input the BT-1 is connected to.

Trigger Parameter Settings for the Drum Sound Module

In order for the BT-1 to operate correctly, you must specify the optimal trigger parameter values on your drum sound module.

- * For details on how to make settings, refer to the owner's manual of your drum sound module.
- * You may need to adjust the trigger parameters depending on how you've attached the BT-1 and the location at which you've installed it.

TD-30



Trig Type	BT1
XTALK	20–40 * When using a BT-1 on a V-Drums pad, set this XTALK parameter for that V-Drums pad.

- * The BT-1 will operate only as the head trigger.
- * If “BT1” does not appear as a Trig Type choice, update your system program.

TD-15, TD-11



Pad Type	BT-1
Xtalk Cancel	20–40 * When using a BT-1 on a V-Drums pad, set this Xtalk Cancel parameter for that V-Drums pad.

- * The BT-1 will operate only as the head trigger.
- * The “KIK” and “RDB” trigger inputs are not supported.
- * If “BT-1” does not appear as a Pad Type choice, update your system program.

Updating your system program

TD-30, TD-15, TD-11, Octapad SPD-30, SPD-SX

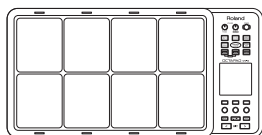
On these models, “BT-1” will appear as a choice for Trig Type (or Pad Type) if you update the system program of your unit.

For details on how to update, refer to the following URL.

<http://www.roland.com/support/>

Trigger Parameter Settings for the Drum Sound Module

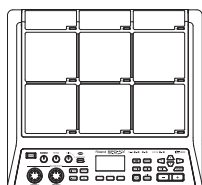
Octapad SPD-30



Pad Type	BT-1
X-Talk Cancel Rate	20–40 * When using a BT-1 on a V-Drums pad, set this X-Talk Cancel Rate parameter for that V-Drums pad.

- * The BT-1 will operate only as the head trigger.
- * If “BT-1” does not appear as a Pad Type choice, update your system program (p. 8).

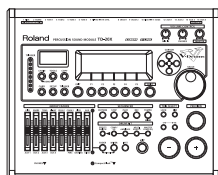
SPD-SX



INPUT MODE	HEAD&RIM
TRIG TYPE	BT-1
XTALK CANCEL	20–40 * When using a BT-1 on a V-Drums pad, set this XTALK CANCEL parameter for that V-Drums pad.

- * The BT-1 will operate only as the head trigger.
- * The BT-1 will not operate correctly if INPUT MODE is set to TRIGx2.
- * If “BT-1” does not appear as a TRIG TYPE choice, update your system program (p. 8).

TD-20X, TD-20, TDW-20, TD-12

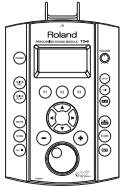


Trig Type	PAD1
Sensitivity	12
XTALK CANCEL	25
MOUNT TYPE	PAD
XTALK CANCEL	20–60 * When using a BT-1 on a V-Drums pad, set this XTALK CANCEL parameter for that V-Drums pad.

- * The BT-1 will operate as the rim trigger of the pad. No sound or control function (e.g., pad pattern) should be assigned to the “head” of the input the BT-1 is connected to.

Trigger Parameter Settings for the Drum Sound Module

TD-9



Trig Type	PD8
Sensitivity	12
Threshold	8
Scan Time	1.6
Retrig Cancel	4
Mask Time	8
XTalk Cancel	25
Rim Gain	1.0

XTalk Cancel	20–40 * When using a BT-1 on a V-Drums pad, set this XTalk Cancel parameter for that V-Drums pad.
--------------	--

- * The “KIK” and “RDB” trigger inputs are not supported.
- * The BT-1 will operate as the rim trigger of the pad. No sound or control function (e.g., pad pattern) should be assigned to the “head” of the input the BT-1 is connected to.

TD-4



Pad Type	PD-8
Sensitivity	12
Threshold	8
Scan Time	1.6 ms
Retrig Cancel	4
Mask Time	8 ms
Xtalk Cancel	25 %
Rim Gain	1.0

Xtalk Cancel	20–40 % * When using a BT-1 on a V-Drums pad, set this Xtalk Cancel parameter for that V-Drums pad.
--------------	--

- * The “KIK”, “T1”, “T2”, and “T3” trigger inputs are not supported.
- * The BT-1 will operate as the rim trigger of the pad. No sound or control function (e.g., pad pattern) should be assigned to the “head” of the input the BT-1 is connected to.

Troubleshooting

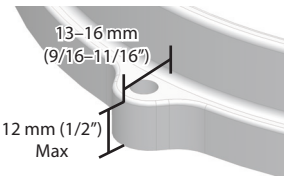
If the BT-1 does not operate as you expect, please check the following points first.

If you are still unable to resolve the problem, contact your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Problem	Check / Action
No sound	Check the connections. (p. 7)
	Firmly insert the plug of the connection cable all the way into the jack.
	Use a stereo cable. (p. 7)
	Adjust the volume to an appropriate level.
	Check the instrument that's assigned to the head (or rim) trigger.
	Check the drum sound module's trigger indicator to confirm that the drum sound module is receiving the trigger signals.
	On some drum sound modules, the instrument might not sound if you've assigned a control function to the pad. For details, refer to the owner's manual of your drum sound module.
The sound of another pad is also heard when you strike the BT-1	When the BT-1 is attached to the hoop of a V-Drums pad, striking the BT-1 will cause that pad to sound. If this presents a problem, it can be mounted on an optional stand.
	Adjust the crosstalk cancel setting of your drum sound module.
	Reattach the BT-1 at a different location.
Two or more notes are sounded when you strike once	Fasten the BT-1 firmly to the hoop or stand.
	Fasten the attachment firmly.
	Increase the retrigger cancel setting on your drum sound module. If this has no effect, increase the mask time setting.
The rim sound is heard instead of the head sound	When the BT-1 is connected to some drum sound modules, the head sound will not be triggered. The BT-1 will operate only as a rim trigger. This is not a malfunction.
The BT-1 is triggered when you strike a different pad or drum	Use a stereo cable. (p. 7)
	If you're using a drum sound module with which the BT-1 operates as a rim trigger, do not assign an instrument or control function to the head of the trigger input the BT-1 is connected to. (p. 8)

Main Specifications

Roland BT-1: Bar Trigger Pad

Trigger	1
Connector	OUTPUT Jack (Stereo 1/4" phone type)
Dimensions	170 (W) x 53 (D) x 60 (H) mm 6-3/4 (W) x 2-1/8 (D) x 2-3/8 (H) inches
Weight	300 g 11 oz
Accessories	Owner's manual, Attachment, Attachment bolt, Spacer, Connection cable (stereo)
Supported V-Drums pads	PD-128S, PD-128, PD-108, PD-125, PD-105, PDX-100, PD-85
Acceptable hoop size	 <p>13–16 mm (9/16–1 1/16")</p> <p>12 mm (1/2") Max</p> <p>* Depending on the shape of the hoop, it might not be possible to attach the BT-1 correctly.</p>
Acceptable rod diameters	8.0–12.5 mm 3/8–1/2 inch
Options (sold separately)	Pad Mount (MDH series)

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

For EU Countries



- UK** This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.
- DE** Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit dem Hausmüll entsorgt werden.
- FR** Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.
- IT** Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.
- ES** Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.
- PT** Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.
- NL** Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.
- DK** Dette symbol angiver, at i EU-lande skal dette produkt opsamlles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.
- NO** Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, til, til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

- SE** Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.
- FI** Tämä merkinäyttö ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinäytöllä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.
- HU** Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.
- PL** Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.
- CZ** Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesooucí tento symbol se nesmí vyhadzovat spolu s domácím odpadem.
- SK** Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.
- EE** See sümbol näitab, et EL-i maades tuleb see toode olemprügist eraldi koguda, nii nagu on iga piirkonna määratlust. Selle sümboliga märgitud tooted ei tohi ära visata koos olmeprügiga.
- LT** Šis simbolis rodo, kad ES valstis šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinimi produktai neturi būti išmetami kartu su buitiniems atliekomis.
- LV** Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produkts ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.
- SI** Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjinskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda tem znakom ni dovoljeno odlagati skupaj z gospodinjinskimi odpadki.
- GR** Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。
本资料适用于2007年3月1日以后本公司所制造的产品。

环保使用期限



此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定的期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。
环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。
不当的使用，将会导致有害物质泄漏的危险。

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外壳 (壳体)	×	○	○	○	○	○
电子部件 (印刷电路板等)	×	○	×	○	○	○
附件 (电源线、交流适配器等)	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572的限量要求。

(企业可在此处，根据实际情况对上表中打“×”的技术原因进行进一步说明。)

For EU Countries

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Importer: Roland Europe Group Limited
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For the U.K.

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