Checking the Included Items

The unit

AC adaptor, insertion plugs (3 types)

- RS-232 conversion cable (2 m)
- Ferrite core x 3
- Owner's Manual (this document)

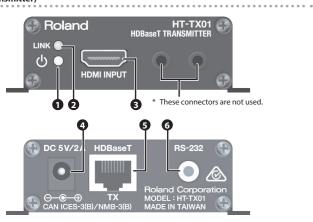
Main Features

This unit is a transmitter/receiver for long-distance transmission of HDMI signals over up to 100 meters using a single LAN cable (Cat5e or higher).

- Support for 1080/59.94p (full HD) and 3D video
- Support for HDMI 1.4 and HDCP 2.0
- · Support for RS-232 signals

Panel Descriptions

HT-TX01 (Transmitter)



No.	Name	Explanation			
0	Power indicator	This lights up when power is supplied.			
2	LINK indicator	This lights up when the transmitter/receiver is correctly connected			
3	HDMI INPUT connector	The HDMI signal from the source device is input here.			
4	AC adaptor connector	This is for connecting the included AC adaptor.			

Attaching the Ferrite Cores

1. Open an included ferrite core by spreading apart the tabs at two places.

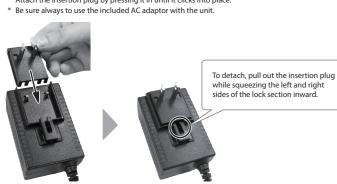


- 2. Attach the ferrite core to an HDMI cable, LAN cable, or RS-232 conversion cable.
- * Close the ferrite core by pressing down on each tab until it clicks into place.

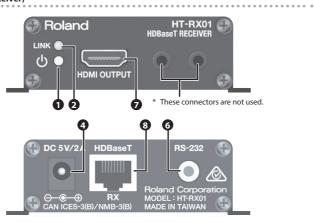


Attaching an AC Adaptor Insertion Plug

- 1. Attach an included AC adaptor insertion plug to the AC adaptor.
- * Attach the insertion plug for your country or region.
- * Attach the insertion plug by pressing it in until it clicks into place.



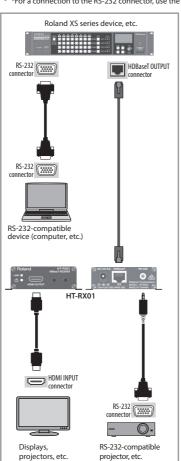
HT-RX01 (Receiver)

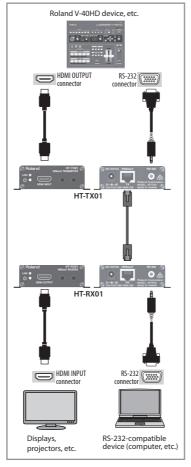


No.	Name	Explanation				
6	HDBaseT (TX) connector	This is for connecting a receiver.				
6	RS-232 connector	This is for connecting a remote-control device (RS-232-compatible computer, projector, or the like) using the included RS-232 conversion cable.				
0	HDMI OUTPUT connector	This outputs the HDMI signal to a display device.				
8	HDBaseT (RX) connector	This is for connecting a transmitter, Roland XS series unit, or other such device.				

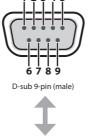
Connection Examples

- * For a connection to the HDBaseT connector, use a Cat5e (Category 5e) or higher shielded LAN cable.
- * *For a connection to the RS-232 connector, use the included RS-232 conversion cable.





RS-232 Connector (RS-232 Conversion Cable) Specifications



TAD GND	
3.5mm miniature	_

Pin No.	Signal			
1	N.C.			
2	RXD			
3	TXD			
4	N.C.			
5	GND			
6	N.C.			
7	N.C.			
8	N.C.			
9	N.C.			

on back side. 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 in its entirety. This manual should be saved and kept on hand as a convenient reference.

Communication method	Synchronous (asynchronous), full-duplex			
Communication speed	9600 bps, 19200 bps, 38400 bps, 115200 bps			
Parity	none			
Data length	8 bit			
Stop bit	1 bit			
Code set	ASCII			
Flow control	none			

Cable Wiring Diagram

When using the included RS-232 conversion cable, RXD, TXD, and GND are wired as shown below.

Unit end (conversion cable end)	Controller end
N.C. : 1	1:
RXD:2	2:RXD
TXD:3	3:TXD
N.C.: 4	4:
GND:5	 5 : GND
N.C.:6	6:
N.C.: 7	7:
N.C. : 8	8:
N.C.:9	9:

* When you want to extend the RS-232 conversion cable, use a straight cable.

Main Specifications

Input Formats		480/59.94i, 576/50i, 480/59.94p, 576/50p, 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 1024, 1366 x 768, 1400 x 1050, 1600 x 1200, 1920 x 1200 * RGB formats: Conforms to VESA DMT Version 1.0 Revision 11. * The maximum refresh rates of RGB is 75 Hz. (excluding 1600 x 1200 and 1920 x 1200. The refresh rate of these 2 is 60Hz) * 1920 x 1200/60Hz: Reduced blanking * Also check the supported resolutions of the connected device.			
Audio Formats		The maximum is PCM 8ch, Dolby Digital, True HD DTS-HD Master Audio			
Input Connectors	HT-TX01	HDMI x 1: Type A 19 pins			
	HT-RX01	RJ45 x 1			
Output Connectors HT-TX01		RJ45 x 1			
	HT-RX01	HDMI x 1: Type A 19 pins			
Other Connectors		RS-232 x 1: 9 pins D-sub type *When using additional RS-232 cable.			
Transmission distance	e	The maximum is 100 m (328 ft) * The available distance depends on the quality of the LAN cable.			
Operating temperature range		0 to 40 degree C 32 to 104 degrees F			
Operating temperatu	re humidity	10 to 85 % (no condensation)			
Storage temperature range		-20 to 60 degree C -4 to 140 degrees F			
Storage temperature humidity		10 to 85 % (no condensation)			
Power Supply		AC Adaptor			
Current Draw		2 A			

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

3-3/16 (W) x 3-11/16 (D) x 1 (H) inches

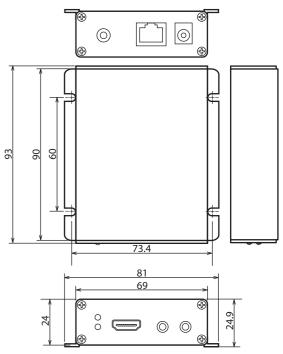
81 (W) x 93 (D) x 24 (H) mm

Weight excl. AC adaptor

- UK DE

- sool geeft aan dat in landen van de EU dit product gescheiden houdelijk afval moet worden aangeboden, zoals bepaald per
- DK
- NO

- •



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。



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。 环保使用则限仅在速照产品使用说明书,正确使用产品的条件下才有效。 不当的使用,将会导致有害物质测漏的危险。

产品中有毒有害物质或元素的名称及含量

因根据现有的技术水平,还没有什么物质能够代替它。

	部件名称	有毒有害物质或元素					
		铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
	外売 (売体)	×	0	0	0	0	0
	电子部件(印刷电路板等)	×	0	×	0	0	0
	附件(电源线、交流适配器等)	×	0	0	0	0	0
	○:表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。 ×:表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。						

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

About ⚠ WARNING and ⚠ CAUTION Notices

Used for instructions intended to alert the **⚠WARNING** user to the risk of death or severe injury should the unit be used improperly. Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used

improperly. **⚠** CAUTION

⁴ 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 nets.

About the Symbols

The \triangle symbol alerts the user to important instructions or arnings. The specific meaning of the symbol is the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.

The \bigcirc symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must 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



To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.

Do not disassemble or modify by yourself

Do not carry out anything unless you are instructed to do so in the owner's manual. Otherwise, you risk causing malfunction.

Do not repair or replace parts by yourself

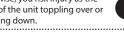
Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."

Do not use or store in the following types of

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heatgenerating 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
- Exposed to rain; or are
- · Dusty or sandy; or are
- · Subject to high levels of vibration and shakiness.

Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



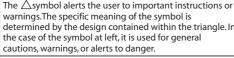
Use only the supplied AC adaptor and the correct voltage

Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.

Do not bend the power cord or place heavy objects on it

Otherwise, fire or electric shock may result.





not be done is indicated by the design contained within



Do not allow foreign objects or liquids to enter unit; never place containers with liquid

Do not place containers containing liquid (e.g., flower vases) on this product. 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.

Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit off, remove the AC adaptor from the outlet, and request servicing by vour retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" when:

- · The AC adaptor or the power cord has been damaged; or
- · If smoke or unusual odor occurs; or
- · Objects have fallen into, or liquid has been spilled onto the unit: or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.

Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.

Do not share an outlet with an unreasonable

Otherwise, you risk overheating or fire.



Do not use overseas

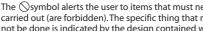
number of other devices

Before using the unit in overseas. consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information."



Place in a well ventilated location

The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation



CAUTION

When disconnecting the power cord, grasp it by the plug

To prevent conductor damage, always grasp the power cord by its plug when disconnecting it from this unit or from a power outlet.



Periodically clean the power plug

An accumulation of dust or foreign objects between the power plug and the power outlet can lead to fire or electric shock.

At regular intervals, be sure to pull out the power plug, and using a dry cloth, wipe away any dust or foreign objects that may have accumulated.

Disconnect the power plug whenever the

unit will not be used for an extended period of time Fire may result in the unlikely event

that a breakdown occurs.



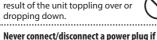
Route all power cords and cables in such a way as to prevent them from getting entangled

Injury could result if someone were to trip on a cable and cause the unit to fall or topple



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

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



vour hands are wet Otherwise, you could receive an

electric shock.



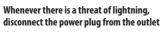
Disconnect all cords/cables before moving

the unit
Before moving the unit, disconnect
was plua from the outlet, and pull out all cords from external devices



Before cleaning the unit, disconnect the power plug from the outlet

If the power plug is not removed from the outlet, you risk receiving an electric shock.



If the power plug is not removed from the outlet, you risk receiving an electric shock.

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



Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

AFRICA

ALGERIA / ANGOLA / CABO VERDE / GUINEA / LIBYA /MOROCCO / MOZANBIQUE /TUNISIA

Roland Iberia, S.L. Paseo García Faria, 33-35

08005 Barcelona, SPAIN TEL: +34 93 493 9136 **SOUTH AFRICA**

TEL: +27 21 799-4900

· This unit is equipped with a protection circuit. A brief interval (a few seconds) after turning the unit on is required before it will operate normally

normal, and is not a cause for concern.

· Do not connect this unit to same electrical

outlet that is being used by an electrical

appliance that is controlled by an inverter

or a motor (such as a refrigerator, washing

appliance is used, power supply noise

and the electrical outlet.

may cause this unit to malfunction or may

produce audible noise. If it is not practical

to use a separate electrical outlet, connect a

power supply noise filter between this unit

· The AC adaptor will begin to generate heat

after long hours of consecutive use. This is

machine, microwave oven, or air conditioner)

Depending on the way in which the electrical

Placement

MPORTANT NOTES

Power Supply

- · This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- · 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 place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

Additional Precautions

- · Use a reasonable amount of care when using its jacks and connectors. 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.
- When you need to transport the unit, pack it in shock-absorbent material. Transporting the unit without doing so can cause it to become scratched or damaged, and could lead to malfunction.

Copyrights/Licenses/Trademarks

- MMP (Moore Microprocessor Portfolio) refers to a patent portfolio concerned with microprocessor architecture, which was developed by Technology Properties Limited (TPL). Roland has licensed this technology from the TPL Group.
- Roland is an either registered trademark or trademark of Roland Corporation in the United States and/or other countries.
- Company names and product names appearing in this document are registered trademarks or trademarks of their respective

Paul Bothner(PTY) Ltd. Royal Cape Park, Unit 24 Londonderry Road, Ottery 7800 Cape Town, SOUTH AFRICA

ASIA

CHINA

Roland China Limited Shanghai Mart, Room 1507, No. 2299 Yanan Road West. Changning District, Shanghai, 200336, CHINA

INDIA

TEL: +86-021-6236-6800

Rivera Digitec (India)Pvt.Ltd 411. Nirman Kendra Mahalaxm Flats Compound off. Dr.Edwin Moses Road, Mumbai-400011, INDIA

TEL: +91 22 2493 9051 INDONESIA

PT. Citra Intirama Ruko Garden Shopping Arcade Unit 8 CR, Podomoro City, JL.Let Jend. 5.Parman Kav.28, Jakarta Barat Unit 8 CR Podom 11470, INDONESIA TEL: +62 21 5698-5519

KOREA

KOREA AVICS CO., LTD. Unit B-2208, Woolimblue9, #240-21, Yeomchang-dong

Gangseo-gu, Seoul, KORFA TEL: +82 2-322-3264 MALAYSIA / SINGAPORE

Roland Asia Pacific Sdn. Bhd. 45-1, Block C2, Jalan PJU 1/39 Dataran Prima, 47301 Petaling Java elangor, MALAYSIA TEL: +603-7805-3263

PHILIPPINES

EVI DISTRIBUTION PHILIPPINES, INC. 117. Sevilla Street , Brgy. Pedreo C San Juan City 1210, PHILIPPINES TEL: +632 774-5555

ROLANDTAIWAN ENTERPRISE CO., LTD. 9F-5, No. 112 Chung Shar North Road Sec. 2 Taipei 104, TAIWAN

TEL: +886 2 2561 3339 VIET NAM

VIET THUONG CORPORATION 386 Cach Mang Thang Tam St. Dist.3, Ho Chi Minh City, VIET NAM TEL: +84-08-9316540

CENTRAL/SOUTH AMERICA

BRAZIL Roland Brasil Ltda

Rua San Jose 211 Parque Industrial San Jose Cotia - Sao Paulo - SP, BRAZIL TEL: +55 11 4615-5666

Other CENTRAL/ SOUTH AMERICA

Roland Corporation U.S. 5100S, Eastern Ave. Los Angeles California 90040 LISA TEL: +1 (323) 215-2111

EUROPE

AUSTRIA / GERMANY Roland Germany GmbH Adam-Opel-Strabe 4, 64569, Nauheim, GERMANY

ROLAND POLSKA SP. Z O.O. TFI:+49 (0)6152-955 46 00 ul Kty Grodziskie 16 RELGIUM / FRANCE / HOLLAND / LUXEMBOURG

PORTUGAL / SPAIN **Roland Center Europe NV** Roland Iberia, S.L. erlo(Oevel), BELGIUM TEL: +32(0) 14 57 58 11

CROATIA RUSSIA ART-CENTAR Degenova 3. HR - 10000 Zagreb CROATIA

CZECH REP. CZECH REPUBLIC DISTRIBUTOR s.r.o

Houtstraat 3

180 00 Praha 8, CZECH REP TFI · +420 283 020 270 DENMARK Roland Scandinavia A/S

Skagerrakvej 7 Postbox 880 DK-2150 Nordhavn, DENMARK TFI · +45 39 16 62 00

FINLAND

Roland Scandinavia As, Filial Finland Vanha Nurmijarventie 62 01670 Vantaa, FINLAND TEL: +358 9-6824020

GREECE **Bon Studio**

6 Zaimi Street Exarhia 106 83 Athens, GREECE TEL: +30 210 3809605 HUNGARY / ROMANIA

Roland East Europe Ltd.

2045. Torokbalint, FSD Park 3. ep. TEL: +36 (23) 511-011

ITALY

Roland Italy SpA Viale dell industrie. 20020 Arese-Mi ITALY

MALTA

Roland Iberia, S.L. Paseo García Faria, 33-35 08005 Barcelona, SPAIN TEL: +34 93 493 9136

NORWAY

Kontor NorgeRoland Scandinavia Avd Lilleakerveien 2 Postboks 95 Lilleaker N-0216 Oslo, NORWAY TEL: +47 22 73 00 74

POLAND

03-289 Warszawa, POLAND TEL: +48 22 678-95-12

Paseo García Faria, 33-35 08005 Barcelona SPAIN TEL: +34 93 493 9136

Roland Music LLC ozhnaya ul.3,korp.6 117 545 Moscow, RUSSIA TFI · +7 (495) 981-4967

SFRRIA Music AP Ltd.

Sutjeska br. 5 XS - 24413 Palic, SERBIA TEL: +381-24-539-395 SLOVAKIA **DAN Distribution s.r.o** Povazská 18. SK - 940 01 Nové Zámky, SLOVAKIA

TEL: +421 35 6424 330

기종별

SWEDEN

Roland Scandinavia A/S

SWEDISH SALES OFFICE

Mårbackagatan 31, 4 tr. SE-123 43 Farsta, Swede

TEL: +46 8-683 04 30

SWITZERLAND /

LIECHTENSTEIN

SWITZERI AND

UKRAINE

Roland (Switzerland) AG

TEL: +41 61 975 99 99

EURHYTHMICS Ltd. P.O.Box: 37-a.

TEL: +380 3131 414-40

UNITED KINGDOM

SA7 9FJ, UNITED KINGDOM

TEL: +44 1792 702701

AUSTRALIA /

NEW ZEALAND

Roland Corporation

Australia Pty.,Ltd.

38 Campbell Avenu

TEL: +61 2 9982 8266

For New Zealand TEL: +64 9 3098 715

QATAR / U.A.E

NMK Electronics

P.O.Box 3191 Sharjah, UAE

CYPRUS / JORDAN / IRAO

LEBANON / SYRIA /YEMEN

TEL: +971-4-2665244

Roland Iberia, S.L. Paseo García Faria, 33-35

08005 Barcelona, SPAIN

TEL: +34 93 493 9136

For Australia

Nedecev Str. 30

IRELAND/

Landstrasse 5, CH-4452 Itingen,

UA - 89600 Mukachevo, UKRAINE

Roland (U.K.) Ltd. Atlantic Close, Swansea Enterprise Park,

Dee Why West, NSW 2099, AUSTRALIA

MIDDLE EAST

BAHRAIN / KUWAIT / OMAN

MOCO INC. Jadeh Makhsous karaj (K-9), Nakhe Zarin AVE. Jalal Street, Reza Alley NO.4 Tehran, 1389716791, IRAN

TEL: +98-21 44545370-5 ISRAEL Halilit P. Greenspoon & Sons Ltd. 8 Retzif Ha' alia Hashnia St

Tel-Aviv-Yafo ISRAFI TEL: +972-03-6823666 SAUDI ARABIA

Khaldi Est. P.O. Box 3475 Abdul Malik Bin Marwan St 11471 Rivadh, SAUDI ARABIA

TEL: +966-1-219-5050

TURKEY **Atempo Ses ve Isik Sistemleri Ltd. Sti.** GUVENLIK SISTEMLERI LTD. STI.

AHL SERBEST BOLGESI A BLOK NO: 28 YE 34830 Istanbul, TURKEY TEL: +90 212 288 0612

NORTH AMERICA

CANADA

TEL: +1 (604) 270 6626

Roland Canada Ltd. (Head Office) 5480 Parkwood Way, Richmond B. C., V6V 2M4, CANADA

Roland Canada Ltd. (Toronto Office)

170 Admiral Boulevard Mississauga ON L5T 2N6, CANADA TEL: +1 (905) 362 9707

Roland Corporation U.S.

California 90040, USA

TEL: +1 (323) 215-2111

5100S, Eastern Ave. Los Angeles alifornia 90040 LISA

MEXICO

U. S. A. Roland Corporation U.S. 5100S. Eastern Ave. Los Angeles,

As of Sep.1, 2014 (RSG)

-For the USA -

- For the USA

DECLARATION OF CONFORMITY Compliance Information Statement

Model Name : HT-TX01 / HT-RX01 Type of Equipment: HDMI Extender Responsible Party: Roland Corporation U.S.

> Address: 5100 S. Eastern Avenue Los Angeles, CA 90040-2938 Telephone: (323) 890-3700

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

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 residentia installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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

(1) this device may not cause harmful interference, and

- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

(2) this device must accept any interference received, including interference that may cause undesired operation

This equipment requires shielded interface cables in order to meet FCC class B limit. Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- For Canada

CAN ICES-3 (B)/NMB-3 (B)

For Korea

사용자 안내문 사용자 안내문 이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, (가정용 방송통신기자재) 모든지역에서 사용학 수 있습니다

For C.A. US (Proposition 65) -

WARNING

CE

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.