

KENWOOD

WIRELESS UNIT

RFU-6100

INSTRUCTION MANUAL

KENWOOD CORPORATION

Before applying power

 **Caution: Read this page carefully to ensure safe operation.**

Units are designed for operation as follows.

U.S.A. and Canada AC 120V only

Safety precautions

WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.

Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.

We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Keep this manual handy for future reference.

RFU-6100 wireless unit:

Wireless Receiver (RFU-R6100) 1
Wireless Transmitter (RFU-T6100) 1
AC adaptor 1

IMPORTANT SAFEGUARDS



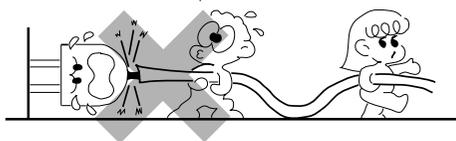
Caution: Read this page carefully to ensure safe operation.

Please read all of the safety and operating instructions before operating this appliance. Adhere to all warnings on the appliance and in the instruction manual. Follow all the safety and operating instructions. These safety and operating instructions should be retained for future reference.

1. Power sources – The appliance should be connected to a power supply only of the type described in the instruction manual or as marked on the appliance. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For appliances intended to operate from battery power, or other sources, refer to the instruction manual.

2. Power-cord protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

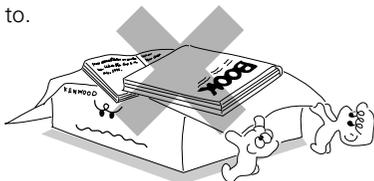
Never pull or stretch the cord.



3. CAUTION – Polarization – This appliance may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

4. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The appliance should be situated so that its location or position does not interfere with its proper ventilation. To maintain good ventilation, do not put records or a table-cloth on the appliance. Place the appliance at least 10 cm away from the walls.

Do not use the appliance on a bed, sofa, rug or similar surface that may block the ventilation openings. This appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

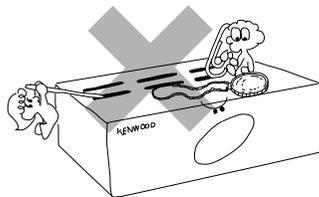


5. Water and moisture – The appliance shall not be exposed to dripping and splashing - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc. Do not place an object containing liquid, such as a flower vase, on the appliance.

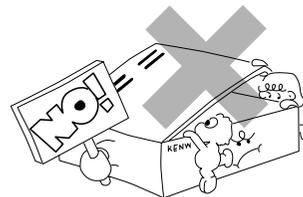
6. Temperature – The appliance may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

7. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. Do not place a flaming object, such as a candle or lantern, on or near the appliance.

8. Electric shock – Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal objects, such as a hair pin or a needle, comes into contact with the inside of this appliance, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this appliance.



9. Enclosure removal – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



10. Magnetic fields – Keep the appliance away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.

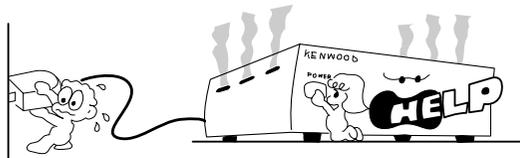
11. Cleaning – Unplug this appliance from the wall outlet before cleaning. Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.

12. Accessories – Do not place this appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



13. Lightning – For added protection for this appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges.

14. Abnormal smell – If an abnormal smell or smoke is detected, immediately turn the power OFF and unplug the appliance from the wall outlet. Contact your dealer or nearest service center.

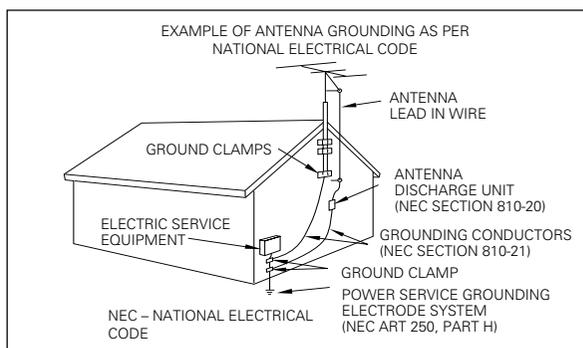


15. Damage requiring service – The appliance should be serviced by qualified service personnel when:

- A.** The power-supply cord or the plug has been damaged.
- B.** Objects have fallen, or liquid has been spilled into the appliance.
- C.** The appliance has been exposed to rain or water.
- D.** The appliance does not appear to operate normally by following the instruction manual. Adjust only those controls that are covered by the instruction manual as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation.
- E.** The appliance has been dropped, or the enclosure damaged.
- F.** The appliance exhibits a marked change in performance.

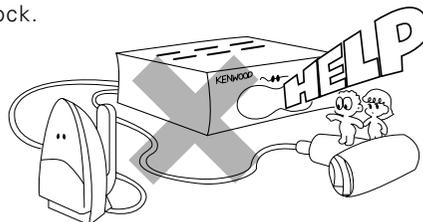
16. Servicing – The user should not attempt to service the appliance beyond that described in the instruction manual. All other servicing should be referred to qualified service personnel.

17. Outdoor antenna grounding – If an outside antenna is connected to the appliance, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.



18. Power lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

19. AC outlets – Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical appliances, such as an iron or toaster, to it to prevent fire or electric shock.



20. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

21. Attachment – Do not use attachments not recommended by the appliance manufacturer as they may cause hazards.

22. Replacement parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

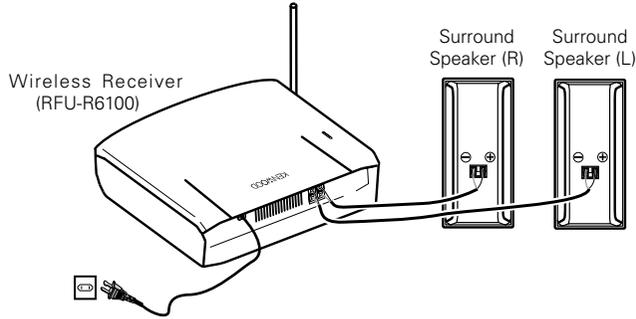
23. Safety check – Upon completion of any service or repairs to this appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operating condition.

Notes:

1. Item 3 is not required except for grounded or polarized equipment.
2. Item 17 and 18 are not required except for units provided with antenna terminals.
3. Item 17 complies with UL in the U.S.A.

Operation

- 1 **Connect your Surround Speaker with the corresponding color terminals on the Wireless Receiver (RFU-R6100).**
(Right: Gray, Left: Blue)



- 2 **Connect the Wireless Receiver (RFU-R6100) power cord to your power supply.**

- The Wireless Receiver (RFU-R6100) power indicator lights up green.

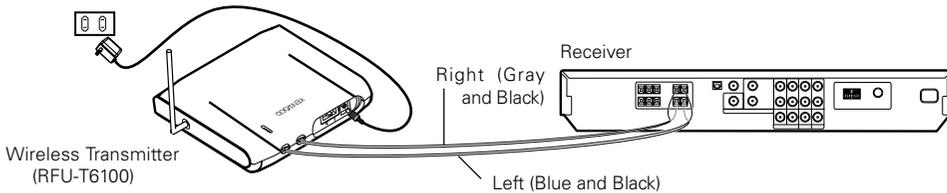
- 3 **Connect the AC adapter to the Wireless Transmitter (RFU-T6100) and power supply.**

Use the enclosed AC adaptor (AC-150015A) for this product.

- 4 **Make sure you position both the Wireless Transmitter (RFU-T6100) and Wireless Receiver (RFU-R6100) at least 2 meters (6.6 ft.) apart.**

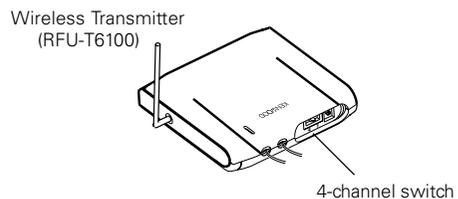
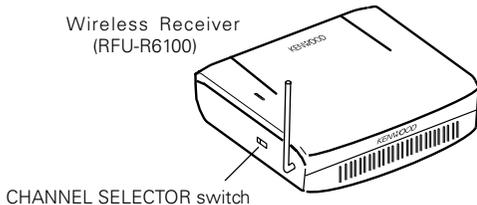
- The control distance of the RF signal is about 30m (100 ft.) provided there is no obstacle.

- 5 **Connect and carefully match the colors of the wires on the Wireless Transmitter (RFU-T6100) to the corresponding surround speaker terminals on your Receiver.**



- The Wireless Transmitter (RFU-T6100) power indicator lights up green.

- 6 **Check and adjust the 4-channel toggle switch on the Wireless Receiver (RFU-R6100) (CHANNEL SELECTOR switch) and Wireless Transmitter (RFU-T6100), so that both units are using the same channel.**



- 7 **On your Receiver, play an audio source and activate the surround sound mode option. Adjust the volume to reproduce surround sound in the rear speakers.**

- 8 **Extend the antenna vertically on both the Wireless Receiver (RFU-R6100) and Wireless Transmitter (RFU-T6100) to improve reception. Check the antennas are safely positioned without obstruction.**

To ensure quality sound production and transmission

- Place both the Wireless Receiver (RFU-R6100) and Wireless Transmitter (RFU-T6100) off the ground (recommended minimum height of 30cm (1 ft.)).
- Avoid placing the Wireless Transmitter (RFU-T6100) too close to your Receiver, AC adapter, TV or other electrical equipment as it may cause electrical interference.
- In case of sound distortion, please select another channel for both the Wireless Receiver (RFU-R6100) and Wireless Transmitter (RFU-T6100). The distortion could be the result of interference caused by other equipment using same frequency channel in your house or neighbourhood.

Notes:

- After you switch off your Receiver, the Wireless Transmitter (RFU-T6100) automatically enters standby mode. On receiving an incoming audio signal from your Receiver again, the Wireless Transmitter (RFU-T6100) automatically operate.
 - When the Wireless Receiver (RFU-R6100) enters the standby mode, the power indicator lights up red.
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- Do not position the Wireless Receiver (RFU-R6100) and Wireless Transmitter (RFU-T6100) near metal (such as heat ducts). Metal can absorb RF signals.
 - When there is an obstruction around other equipments that send signal from the Wireless Transmitter (RFU-T6100), the reception distance by the Wireless Receiver (RFU-R6100) will be short.
 - The tests for range limits of the Wireless Receiver (RFU-R6100) and the Wireless Transmitter (RFU-T6100) are conducted in open-air distance test. Actual distance of the signal will be based on the construction of the building the unit is being used in as well as other factors such as outside interference.
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- As for the Wireless Transmitter (RFU-T6100) input of this Wireless Unit, it is optimal to use it with the receiver of Output Power 100 W.
Caution: Sound will be distorted if it is above 120 W of Output Power.
- It may be greatly audible by test tone reproduction with the standup of sound for a moment for a level setup of a Surround Speaker.
- A noise may be heard if the Wireless Transmitter (RFU-T6100) is carried on your receiver. Please put on somewhere else.

Standby mode

While the standby indicator is lit, a small amount of power is supplied to the system. This is called standby mode.

For the U.S.A.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:

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 may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. 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 the U.S.A.

FCC Compliance Notice

Audio-video Receiver,

These devices comply with Part 15 of FCC Rules. 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.

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For Canada

IC (Industry Canada) Notice

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

