

Wireless Audio System

JK-RF4020

User's manual

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Introduction

Using the wireless technology, you can enjoy the music when you want stay in outdoors, just like park. The music can travel through space by RF signals, the same times you can get perfect audio functions.

User Information

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual.

The Federal Communications Commission Radio Frequency Interference Statement includes the following paragraph.

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

This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instruction may cause interference to radio communication. 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 from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.



Graphic Symbol Explanation



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.

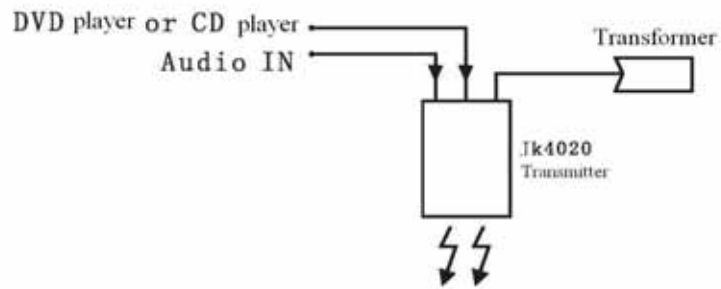
- Warning -** to prevent fire or shock hazard, do not expose this monitor to rain or moisture;
- (1) this device may not cause harmful interference;
 - (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID LABEL:

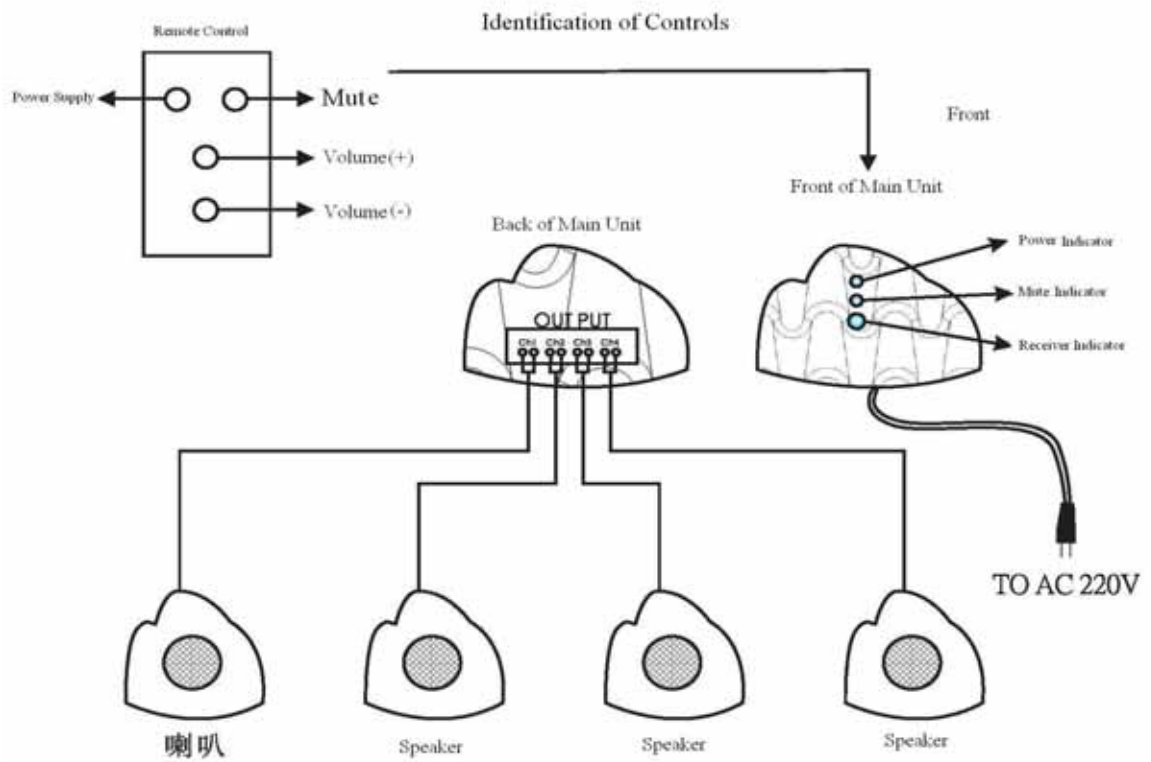
WIRELESS AUDIO SYSTEM
TRADE NAME: jackenzie
FCC ID: TXIRF4020
MODE NO.: JK-RF4020

Connections:

WIRELESS AUDIO SYSTEM



Deferent distance of Wireless Signal is 20-30meters (no block)
Audio Power is **20W X 4CH**
DC Impedance of Speaker : **4 Ohm**



PRODUCT BRIEF

Auto Mute :when signal received is “mute”

Digital Volume Control: for precision volume control

Auto Power Down: when no signal is received for a preset period of time

Forward Error Correction :ensures high integrity of the audio transmission

Baseband Mode: to bypass the compression/decompression block

SPI Interface to program the RFICs ARF2481S/ARF2461C

I²S Interface: to your choice of DAC/ADC

Diversity Antenna: providing robust interference immunity

Programmable Output Power Level: offering flexibility in applications

Control Interface: with microcontroller or Serial EEPROM

Transmitter Specifications

Frequency Range	2.4GHz-2.4835GHz
Power Supply board)	3.3V (IC), 5V (Demo
Modulation/Demodulation Scheme	FSK
Current Consumption	<u>75mA@10KΩ</u> loading (Rx) 125mA (Tx)
Number of Channels	14
Range (Line of Sight)	100 meters@+10dBm
Sampling Rate	48/44.1/32KHz
Frequency Response	20Hz-20KHz
S/N Ratio enabled)	88dB (mute function
Separation	80dB
Dynamic Range	78dB

Note:

Survival Range (0.5M~1M, 3M~5M, 6M~7.5M etc.) depends upon
Dependent Factors such as

*Non-blocking and blocking and blocking material in between

*Operating mode [beacon and file transfer (sparse or dense data)] of
interference source

*Over-lapping of Operating Channel/operating frequency between WDA
and interference source