WIRELESS HEADPHONE

HP-240

Users Manual

Before operating the units, please read this manual thoroughly.

GENERAL SAFETY SUMMARY

CAUTION

RISK OF ELECTRONIC SHOCK DO NOT OPEN

CAUTION:
DO NOT REMOVE THE COVER FOR REDUCING THE RISK OF ELECTRIC SHOCK.
NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING

To prevent fire or shock hazard , do not expose the unit to rain or moisture.

IMPORTANT SAFETY INSTRUCTIONS

1. All the safety and operating instructions should be read before the product is operated.
2. The safety and operating instructions should be retained for future reference.
3. All warnings on the product and in the operating instructions should be adhered to.
4. All operating and use instructions should be followed.
5. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for the cleaning.
6. Do not use attachments not recommended by the products manufacturer if they may cause hazards.
7. Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool; and the like.
8. Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electronic shock. Never spill liquid of any kind on the product.

9. Unplug the USB transmitter from the computer and refer servicing to qualified service personnel under the following conditions.
   - When the computer or USB transmitter is damaged.
   - If liquid have been spilled, or objects have fallen into the computer.
   - If the product does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other control, may result in damage and will often require extensive work by a qualified technician to restore this product to its normal operation.
   - When the product exhibits a distinct change in performance - this indicates a need for service.
   - If the products has been dropped or damaged in any way.
10. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
11. Upon completion of any service or repair to this product ask the service technician to perform safety checks to determine that the product is in proper operating condition.
12. The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products including amplifiers that produce heat.

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Overview

The wireless stereo headphone using the state-of-the-art digital audio technology to receive 2.4GHz signals from USB transmitter which is designed to simply plug into a desktop PC or Notebook. The high quality sound playing on a computer is easily transmitted through the USB transmitter, eliminating the cable hassle, perfect interference resistance, suitable for crystal music listening when you are travelling, doing housework or working in a quiet environment.

Features

- Operating at 2.4GHz ISM band with 8 selectable channels
- 92dB audio dynamic range
- Non-compression for high sound quality with delay time 0.5ms
- FSK digital modulation/demodulation
- Power-on function to prevent pop noise
- Low power consumption
- Application distance up to 30m (L.O.S.) with perfect reception
- Improving performance in fading environment by antenna diversity
- Muting function when suffering interference or at poor receiving conditions
- USB transmitter compatible with Windows OS 98SE/ Me/2000/XP

Package Contents

Check the package before you enjoy the product.

- Headphone (X1)
- USB Transmitter (X1)
- 1.5V AA battery (X2)
- Users Manual (X1)

Names of parts

Headphone

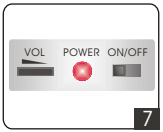
USB Transmitter

Getting Started

1. Open the battery compartment cover.
2. Insert 2X AA batteries into battery compartment.
   Make sure the plus and minus poles of battery was correctly touched their contacts.
3. Close the battery compartment cover with a click.

4. Plug the USB transmitter into USB input socket on PC or Notebook, and LED indicator of USB transmitter should light up in blue.
5. Open the software for CD or MP3 media player and play the songs you would like to listen.
   The LED indicator of USB transmitter will flash if USB transmitter receives the audio signal from computer.

6. Power on the wireless headphone.
7. Check the power LED rightly light up red.
8. Press the channel selector of USB to find a best channel (8 channel selectable), which you can clearly listen to the music through the headphone speaker.



Trouble Shooting

No audio at headphones

1. Make sure the battery rightly inserted into the battery compartment.
2. Check the battery voltage or replace new batteries.
3. Check the headphone and computer volume control not at minimum.
4. If the headphone hung up, power off and on the headphone.
5. Set up the channel of USB and headphone at the same one, the channel has to be different from other 2.4GHz electronic products

Audio is distorted or noisy

1. Check the battery voltage or replace new batteries.
2. If the audio level at audio source(PC/Notebook) is too high, turn down audio source volume.
3. Set up the channel of USB and headphone at the same one, the channel has to be different from other 2.4GHz electronic products
4. Check audio source(PC/Notebook) input is not noisy.
5. Turn off other 2.4GHz electrical appliances, such as microwave oven, 2.4GHz cordless phone, WLAN or Bluetooth headset which may cause RF interference.

Audio drops out intermittently or crackles

1. Check the battery voltage or replace new batteries.
2. Set up the channel of USB and headphone at the same one.
3. If audio signal is too weak, move listener's position to close USB transmitter.
4. Turn off other 2.4GHz electronic products, such as microwave oven 2.4GHz cordless phone, WLAN or Bluetooth headset which may cause RF interference.

USB transmitter can not transmit audio signal

1. Check the operation system of your PC or notebook is Windows 98SE/Me/2000/XP.

Specification

Item	USB Transmitter	Headset
Supply voltage	5V DC	2.4V DC
Current consumption	90mA (Typ.)	200mA (Typ.)
Operating temperature	-10 ~ +60C°	
Frequency range	2400-2483.5MHz	
Modulation	FSK	
Channel number	8	
Channel spacing	9MHz	
Channel frequency	2410,2419 ~2473MHz	
Frequency stability	+/-100KHz	
Tx Power	+10 dBm for CE(Typ.) 13 dBm for FCC(Typ.)	
Rx Sensitivity		-85 dBm (Min.)
Headphone impedance		24Ohm
Output level		3.4 Vpp (Max)
Output power		60mWRMS
Response	20~20KHz, -3dB	
Dynamic range	92dB (Typ.)	
Separation	80dB (Typ.)	
S/N ratio	87dB (Typ.)	
THD	0.1% (Typ.)	

◎ Specification subject to change without prior notice.

Federal Communication Commission Interference Statement

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 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 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.

FCC Caution :To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the 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.

2.4GHz