

HX-EP510 manual

HoMedics, Inc.

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1. Specifications of the products

1.1 Environmental Specifications

All materials must be complied with ROHS, Reach, and California 65 environmental standard

1.2 Mechanical Specifications

1.2.1 Dimension: 14.5mm*23mm*26.5mm

1.2.2 Weight: 15.3g (Ear buds only)

1.2.3 Charge Port: Micro USB

1.2.4 Main Board: Multiple functional button.

MFB: Power/off/pair/Vol+/Vol-/Play/pause/Call ect.

1.2.5 Testing detail please refer to item 6 (Reliability testing)

1.3 Cable Specifications

1.3.1 Cable: Flat reflecting cable, 4.0*1.4 mm, 9 groups of core wire, L=550mm

1.3.2 Test spec refers to item 6 (Reliability Testing)

1.4 Electrical Specifications

1.4.1 Battery: Li-polymer battery, 3.7V, 120mAH (60 mAH *2)

1.4.2 Charge: DC5V, 100mAH

1.4.3 Bluetooth Spec.

Bluetooth version: V4.0, support HSP、HFP、A2DP、AVRCP

Device name: Transit Micro Sport

Transmission Range (Hz): 2.40GHz~2.48GHz

Distance: 10 meters

RF radiate: Class II I (-6dBm~+0dBm)

Sensitivity of receiving: -85dBm

1.4.4 User interface

1.4.4.1 Operation of play mode:

Power On: Press and hold MFB 1.5s until the light turns blue, if there is already a device connected, automatically connect the previous device, otherwise enter pairing mode, the red and blue light blinks alternately.

Power Off: Option1: When device is on, press and hold MFB 4 seconds, the LED will flash red for 1 second, Bluetooth Ear bud will shut down.

Option 2: When the two ear cups touch together, it will shut down.

Pair: 1. If you have paired your earbuds before, they will automatically connect the previous device when turned on. If there's no previous device, it will enter pairing mode, the LED will flash red and blue, if connected, the LED flashes blue twice per 5 seconds

2. Press Vol+/Vol- simultaneously, disconnect current device and enter pairing mode again, the LED flash blue and red.

Play: When it connected to device, press "Play" button to start playing music, blue light flashes slowly per 7 seconds.

Pause: When playing music, short press "Play" button once to pause music, blue light flashes slowly per 5 second.

Volume Up: Short press the up button once quickly. Your earbuds will sound a high pitched tone when you have reached their maximum volume.

Volume Down: Short press the down button once quickly. Your earbuds will sound a low pitched tone when you have reached their minimum volume.

Track Forward: press and hold the vol+ button 1 second

Track Back: press and hold the vol- 2 button 1 second

Voice active: press and hold "Play" button 1s to activate mobile phone voice function, blue light flashes slowly per 5 seconds; double click this button, to end the voice mode.

Stand by: Under pairing mode, if there is no device to connect, it goes into standby state in 3 minutes

Automatic Power off: In the standby mode, if there is no device to connect, it shut down automatically in 2 minutes.

1.4.4.2 Operation of call mode:

Answer a call: When there's an incoming call, press "play" button to answer the call. Toggles audio alter between phone and earphone when long press.

Reject a call: When there's an incoming call, press and hold "play" button 1second to reject the call, back to current mode.

End a call: Press and hold "play" button to end an active call, back to current mode.

Second Call: When there's a second incoming call, press "play" button access the second call, current call will be remained, and then press and hold the "Play" button 1second to switch between the second call and the previous call, short press "play" button to end the current call.

Volume Up: Short press the up button once quickly. Your earbuds will sound a high pitched tone when you have reached their maximum volume.

Volume Down: Short press the down button once quickly. Your earbuds will sound a low pitched tone when you have reached their minimum volume.

1.4.5 Working time:

Stand by time: more than 120 Hours

Play time: 10 Hours with 60% volume

Talk time: 15 Hours

Charging time: About 1 Hour

1.5 Acoustic specifications

1.5.1 Microphone

Type: Omni- direction, Electret microphone.

Sensitivity: -42 dB @1 K Hz, 2.5V

Operating voltage: 2~10 V

Frequency response: 100 Hz~ 8K Hz

Resistance: More than 2.2K Ohm

1.5.2 Speaker Unit

Dimension: 6 mm

Type: Dynamic, Fe-Fe-Be magnet, 9u diaphragm.

Impedance: 32 Ohm

The sound pressure level (SPL): 98 dB +/-3 @ 1K Hz, 1mW input

Frequency response: 20 Hz~ 15K Hz

Power rating: 4mW

Power Maximum: 10mW

2 Product Drawing:

2.1 Outside View



3 FCC & IC 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 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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s).

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.