



innovative technology.™



Wireless Hi-Frequency Headphone

ITGSH-150

Product Manual

ITGSH-150 - The Wireless Hi-Frequency Headphones are designed for TV, music and other audio/video devices. The user can now listen at their own preferred volume without disturbing others. This headset provides a clear signal up to 24 feet within direct sight of the transmitter via infrared technology - so you can hear the TV, DVD's, CD's, VCR Tapes or Radio programs.

IMPORTANT SAFETY INSTRUCTIONS:

To achieve the best quality from this product, please read this manual carefully before operating. Please keep this manual for future reference. When using this unit, basic safety precautions should be followed to avoid the risk of electrical shock or personal injury. Please refer all servicing to qualified personnel ONLY! Do not attempt to repair/open the product!

THIS PACKAGE CONTAINS:

- 1 x transmitter
 - 1 x headset receiver
 - 1 x AC/DC adapter 15V 200mA (center negative) 
 - 1 x 3.5mm – 2-RCA audio cord
 - 1 x instruction manual
 - 2 x 80mAH Ni-MH rechargeable batteries
 - 2 x rubber ear pad
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TECHNICAL SPECIFICATIONS:

Transmitter:

Single Channel 2.3/2.8MHz High Frequency Infrared
Stereo or mono mode of operation
RCA audio in or 3.5mm audio in
Rechargeable battery dock for 2nd battery
Power supply: AC/DC adapter AC120V 60HZ, DC15V 200mA
Dimension:90 x 150 x 20mm

Receiver:

Single Channel 2.3/2.8MHz High Frequency Infrared
Volume control (on the under chin headphone)
On/Off switch incorporated into the volume knob
Battery compartment for 80mAH Ni-MH rechargerable battery
Replaceable ear buds
Power supply: 80mAh Ni-Mh rechargeable battery
Dimension: 142 x 205 x 20mm

INSTRUCTIONAL PHOTO REFERENCE: (Step-by-step instructions are on page 3)



figure 1 Correct Battery Installation in the Transmitter



figure 2 Correct Battery Installation in the Headphones



figure 3 2 LED's show the unit is charging.



figure 4



figure 5

SET-UP AND INSTRUCTIONS:

1. Place the transmitter on top of your TV, shelf or flat surface.
Make sure there is a power socket available for the main power adaptor
2. Plug the transmitter's main power adapter into a standard electrical power socket, then plug the power lead into the transmitter base socket (please see **figure 4**).
3. Since the infrared signal is emitted in a 30 degree conical form and maximum 24 feet line of sight , it is recommend that you place the transmitter base facing where you will be sitting while watching TV and make sure that the battery housings are fully plugged in to the transmitter base (see **figure 1**). You must have a clear and unobstructed view of the transmitter front while watching TV and using the headphones. The signal does not transmit through objects! Do not face the transmitter towards a window or glass sliding door, as the infrared ray may escape through the window or door instead of reflecting around the room. If the headphone is placed too far from the transmitter, a hissing noise may occur. This is a characteristic of infrared systems and does not mean that the system is defective, Move closer to the transmitter and or move to a darker area.
4. Make sure that the battery is fully inserted into the headphones **figure 2** . Then place the headphones shown in **figure 3** into the transmitter. All two LEDs should now be visible in the front window. Please charge the batteries at least 16 hours for first time use.
5. Connect the audio input of the transmitter (either the **A** RCA socket or **B** 3.5mm socket) to the audio output of the audio sources, using the 3.5mm – 2RCA audio cord supplied.
Please note:
If you use the headphone jack instead of the RCA out, the overall sound volume will be increased. If you turn to maximum volume there may be some static noise, but this is normal.
6. Once you have set everything up you should see two LEDs in the front of the transmitter window (please see **figure 3**). This indicates that the batteries are charging.
7. Important: first turn the volume knob on the under chin headset to the lowest setting until you hear and feel a click (please see **figure 5**) .

SET UP AND INSTRUCTIONS continued...

8. To use the headphone simply lift it out of the cradle and put it on your head (under your chin). Then turn the volume up to a comfortable level and you are ready to watch your favorite program (please see **figure 5**).
 9. Note: please make sure that the under chin headphone is ON (see **figure 5**). You should be able to read the word VOLUME properly. If the word VOLUME is upside down, then you have the headphones on backwards.
 10. When you are finished using the under chin headphone simply put it back into the transmitter base. Make sure that the LED light turns on in the transmitter base (please see **figure 3**).
 11. To replace the battery pack simply pull one out of the transmitter base (right side), pull out the battery pack from the under chin headphone, plug the new battery pack into the under chin headphone and then put the drained battery pack back into the right side of transmitter base for recharging.
- Warning:**
*Do not force the battery pack into the charger or headphone.
It fits easily when in the correct orientation.*
12. Note: the transmitter base will automatically take care of the recharging of the batteries.
 13. The transmitter base has a switch that allows you to switch between stereo and mono operation. For most users leave the switch set to stereo.

TROUBLESHOOTING GUIDE:

| SYMPTOM | SOLUTION |
|---|---|
| Front two LEDs, don't light up when batteries are placed into the battery compartment properly. | <ul style="list-style-type: none">• Make sure that the power is connected to the main power socket and the transmitter. |
| The right LED does not light up on the transmitter when a battery is inserted. | <ul style="list-style-type: none">• The battery has not been installed correctly in the battery compartment. |
| The middle LED does not light up when the headset is placed into the dock in the transmitter. | <ul style="list-style-type: none">• The headphone has not been properly placed into the docking.• Make sure it is facing the correct direction.• There is no battery inserted into the headphone, please insert a battery into the headphone. |
| Headphone remain silent | <ul style="list-style-type: none">• Please check and make sure the audio connection cable to the TV or audio sources are properly and completely connected or• Please make sure your TV or audio sources is turned on or Turn the volume level up or• Replace battery with a fully charged one! Charge the fresh batteries at least 10-16 hrs. |
| The sound becomes quiet or distorted. | <ul style="list-style-type: none">• Replace the battery packing in the headset with a fully charged replacement battery pack or• Make sure there are no obstructions and it has a free line of sight or• Move closer, you are located too far away from the transmitter, (max. 24 feet and 30 degree). This is inherent to infrared ray communication and does not mean that there is a problem with the unit itself. |
| Transmitter keeps switching off during playing | If your audio signal is coming from a portable audio player or computer, we suggested that you use a relatively high volume from your headphone jack in order to maintain strong enough audio signals to enable the transmitter to send the audio signal to your headphone. If you find that the audio is too loud, you can use the volume control switch by your headphone. |

NOTE

- Due to continuing development of the products, the specifications and design of this product is subject to change without prior notice.
 - The product warranty does not cover normal wear or damage resulting from misuse, neglect, improper storage, accident, unauthorized repair or alternation.
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WARNING

- Listening to uncomfortable sound levels for prolonged periods could adversely affect your hearing.
 - If using a line input or direct plug in MUST be fully inserted into the correct socket and the volume turned to the lowest level before turning the unit on. Failure to do so can result in high sound levels at could adversely affect your hearing.
 - Please make sure that the volume knob is in the fully OFF position. You will hear and feel a click when the knob is in the OFF position (see **figure 2**).
 - Using this product inappropriately could adversely affect your hearing.
 - Please follow the step-by-step instructions carefully!
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CAUTION

- Danger of explosion if battery is incorrectly replaced.
- Replaced only with the provided rechargeable from manufacturer. Batteries contain chemical substances, so they should be disposed of properly.
- Install the unit securely on a stable surface and install the unit where the power cord will not be subject to damage/wear.
- When inserting or removing the power adapter from any electric outlet, pull the plug only.
- Never pull or jerk the cable to avoid the risk of electric shock due to damage to the cable. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the product.

CAUTION continued...

DO NOT place this product on a very hot or very cold surfaces.
Keep out of direct sunlight.

DO NOT install the product near any heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

- Avoid using or storing the product in a dusty or damp area, in any unstable location or in any magnetic zone.
- To avoid risk of electric shock, DO NOT expose this product to water or dampness.
- Always keep & operate this product in a well-ventilated environment.
- DO NOT use petrol, gasoline, thinners or any solvent to clean the product.
- Remove dust or stains with a damp cloth only.
- DO NOT use oil or grease any mechanical parts. All moving parts in this product were thoroughly lubricated & sealed in the factory & require no further lubrication.
- If any liquids should accidentally fall on or get in to the product, immediately turn off the power & contact an authorized service center or a qualified & registered electrician for assistance.
- Before using the product with the approved power adapter provided, ensure the electric power supply is compatible with the voltage rating of the provided power adapter.
- Use ONLY the provided power adapter. Never use other power adapters even if they have the same specifications or rating.
- When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Do not insert or remove the power adapter for the electric outlet with wet or damp hands.
- Remove the power adapter from the electric outlet if the product is not in use for a long time or during lightning storms.
- When inserting or removing the power adapter from any electric outlet, pull the plug only.
- Never pull or jerk the cable to avoid the risk of electric shock due to damage to the cable. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the product.
- Only use the accessories specified by the manufacturer.

FCC Statement

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for 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 and may 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 the 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.
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CALIFORNIA PROP 65 WARNING

"WARNING" This product contains a chemicals known to the State of California to cause birth defects or other reproductive harm. For more information on regulations and a list of chemicals, log on the following website address:
<http://www.oehha.ca.gov/prop65.html>



Innovative Technology Electronics Corp.
Limited Warranty: 90 Days Labor, One Year Parts

Innovative Technology Electronics Corp. (IT) warrants the product to be free from "Defects" in materials under normal use for a period of "One Year" from the date of the original purchase. The Warranty is "Not" transferable. IT agrees, within the initial "90 Day" period, to repair or replace the product if it is determined to be defective at "No Charge". It is further agreed that IT will cover the cost to repair or replace damaged "Parts" only for a total period of "One Year" from the date of the original purchase. The warranty does not cover cosmetic damage, antennas, AC cords, cabinets, headbands, ear-pads, or damage due to line power surges, connection to improper voltage supply or settings, misuse, mishandling, accident, acts of God or attempted repair by an unauthorized service agent.

To obtain service, the purchaser MUST present an original sales receipt / proof of purchase. Please contact us at www.ithomeproducts.com to request an RMA (Return Material Authorization) number to return products for service or replacement. Returns without an RMA number on the package will be refused and returned to sender. Upon receipt of the returning item and our full inspection (IT) may issue a replacement to customer for the same item or of one that has equivalent value and features. To return an item, supply full name, return address, phone number, item purchased, receipt of purchase and reason for return to obtain RMA number.

All returns must be in the original packaging or reasonable substitute to prevent damage. Customer "Must" include full name, shipping address and telephone number inside of package. No return will be shipped back to a PO Box or APO address. Please include your check or money order in the amount of

- USD\$5.00 for items \$10.00 to \$39.99 (Price Paid Per Unit)
- USD\$10.00 for items \$40.00 to \$99.99. (Price Paid Per Unit)
- USD\$16.00, for items \$100.00 and up. (Price Paid Per Unit)
- Shipping fees are non-refundable

to be payable to Innovative Technology Electronics Corp.(for handling and return shipping charges) (IT) will not be responsible for delays or unprocessed claims resulting from a purchaser's failure to provide any / all of the necessary information.

Send all inquiries or RMA request via our website www.ithomeproducts.com/support.

Innovative Technology Electronics Corp.
1 Channel Drive, Port Washington, NY 11050
Toll free: 1-877-483-2497
Website for support: www.ithomeproducts.com/support

There are no express warranties except as listed above.

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Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.