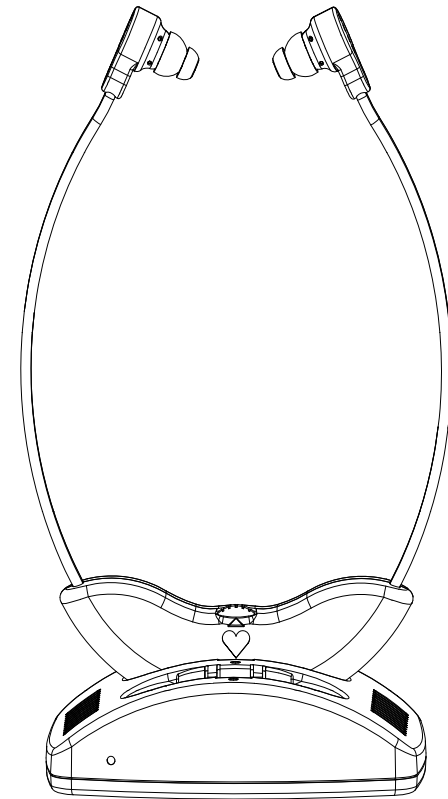


MODEL No.:D-DL1645  
2.4GHz Double Digital Wireless TV Headset  
Assistive Listening Device  
(For Home&Personal Use)



USER MANUAL

## INTRODUCTION

This TV Lover Series Wireless Headset adopted 2.4GHz technology that convert TV audio output to headset for assistive tv listening in your living room. With its ergonomic earplug design, it brings comfortable wearing, clear dialogues and perfect stereo sound without burden of disturbing others while connecting to TV, hi-fi system, radio or other audio sources.

To maximize your product's life-span, please read and follow the instructions carefully before using.

## A. CONTENTS

1. Transmitter
2. Headset (Receiver)
3. Dual 3.5mm audio cable (1.5m)
4. 3.5mm jack to RCA adaptor
5. AC power adapter (DC/12V)
6. Multi-use screw driver
7. Extra earbuds
8. User manual
9. Fiber optic signal line
10. Coaxial cable line

## B. FEATURES

1. Bendable PP rod for headset, softer & more flexible
2. User replaceable, rechargeable Li-ion battery
3. Longer battery operating time
4. Ergonomic earplug design for comfortable wearing
5. Adjustable volume control, balance control
6. Up to 125dB output deliver excellent stereo sound
7. Automatic Gain Control (AGC)
8. Noise Reduction technology
9. Dual headset charging Ports
10. Headset auto turn off function when charging
11. Headset auto alarm function while battery low
12. Compatible with Digital and analog signal input mode, including optical fiber and coaxial cable input, 3.5mm analog signal input

## C. TECHNICAL SPECIFICATIONS

Modulation	: Stereo
Carrier Frequency	: 2.4GHz
Frequency Response	: 20-20KHz
Distortion	: Less than 1%
S/N Ratio	: ~Typ. 90dB
Operating Distance	: ~15m in open area
Charging Time	: 3-4 Hours (fast charging)
Operating Time	: ~7-8 hours
Operation Voltage	: Transmitter, 12V DC power adaptor (incl.) : Headset, 3.7V, 500mAh Li-polymer battery (incl.)

## I. PAIRING EXTRA HEADSET

**Note:** There is no limit to the quantity of headsets that connect to one transmitter.

- 1). Switch off "H" the transmitter on/off switch before pairing extra headset.
  - 2). Press ② the headset on/off button to turn on the headset. The built-in Led in headset will blink in red slowly. Keep pressing the on/off button for 3 seconds, then, it will blink fast to enter into pairing mode.
- Note:** There have 15 seconds for headset to pairing with transmitter.
- 3). Switch on "H" the transmitter on/off switch to turn on the transmitter. "L" the transmitter power indicator will light up in blue and blink fast to match with headset in 3 seconds, then stay in blue after pairing successfully.

## J. TROUBLE SHOOTING

### NO SOUND?

- >The TV sound is "mute". The system can not work in TV mute mode. Keep at least a few volume of the TV, then adjust the headset volume.
- >Make sure the transmitter is on, and the headset have fresh battery. If the headset's battery capacity is low, sound distortion will be heard. Charge your headset.
- >Check if connected audio equipment is not playing. Start playing the equipment.
- >Make sure the connected audio equipment is ON and its volume is set properly.
- >The volume of headset is too low, adjust the volume to an appropriate level. Turn up your audio source's volume.

### DISTORTION?

- >Headset's battery capacity is too low. Charge the headset.
- >Ensure the volume level or balance of headset is adjusted properly.
- >The input level of the audio signal is too low. Turn up the volume of the audio source equipment.

## K. GUIDANCE OF TRANSMITTER INDICATOR

You can know the system status by checking the transmitter indicator illustration of this wireless TV system.

1. Transmitter on, headset off -> "L" transmitter indicator quartic blink continuously
2. Transmitter on, headset on, no signal -> "L" transmitter indicator double blink continuously
3. Transmitter on, headset on, signal in -> "L" transmitter indicator stay in blue
4. Pairing mode -> "L" transmitter indicator fast blink continuously

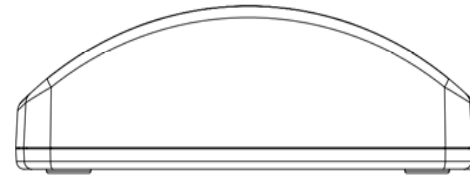
## L. CARE AND MAINTAINENCE

Any improper use may damage the unit and affect its functions. To best protect and care for this wireless TV headset system, please read the following tips before using:

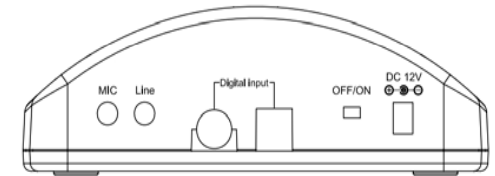
1. Keep the transmitter and headset away from direct sun exposure.
2. Turn off the transmitter and headset if not in use.
3. Use a slightly damp cloth to clear the outside of the unit. Avoid letting any liquids into the system.
4. Keep it out of reach of the children. It may damage when a sudden drop down occurs.

## D. PRODUCT OVERVIEW

### 1. TRANSMITTER

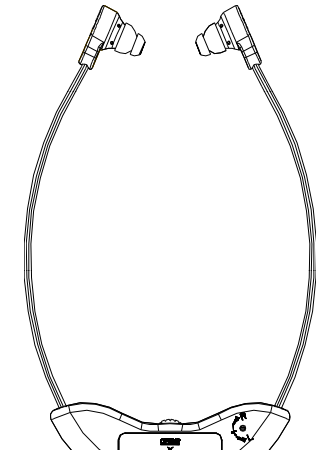
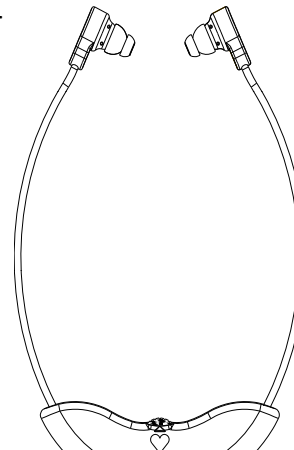


(FRONT)



(REAR)

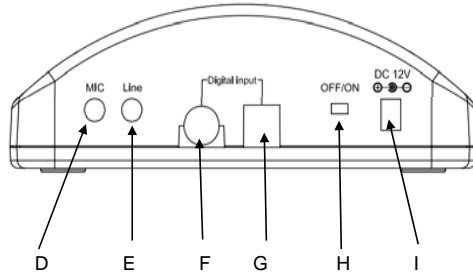
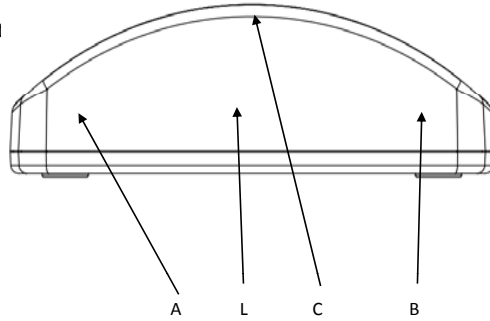
### 2. HEADSET



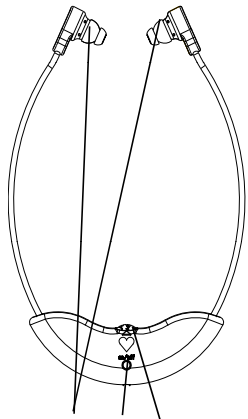
## E.COMPONENTS IDENTIFICATION

### 1.TRANSMITTER

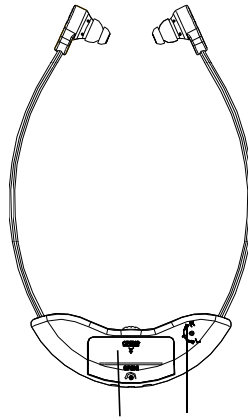
- A & B.Transmitter power indicator and charging indicat
- C.Headset charging cradle
- D.3.5mm MIC input Jack
- E.3.5mm Line input Jack
- F.Coaxial cable input Jack
- G.Optical fiber input Jack
- H.Power switch OFF/ON
- I.DC12V power input Jack
- L.Working indicator



### 2.HEADSET



- ① Ergonomic Earplug
- ② Headset ON/OFF button
- ③ Volume control
- ④ Swappable battery compartment
- ⑤ Balance control



## F.BATTERY CHARGING AND REPLACEMENT

**IMPORTANT:**Please have your headset fully charged before use,that'll extend the battery life.

**Battery charging:**There will have 6 times of alarm sound comes from headset every 30 seconds when battery is low.Put the headset into "C" the headset charging cradle to start charging(System will auto shut off in 3 minutes after the alarm sound to protect the battery).

- 1).Connect one end of the supplied AC power adapter to a power outlet,and another end to "I" the DC in jack which located at the rear of the transmitter.Then,"A or B" the headset charging leds will light up in red.
- 2).Insert the headset into "C" the charging cradle of transmitter. "A or B" the charging power indicators will change from blue to Red(Note:After 4-5 hours when fully charged,The charging indicator will change from Red to blue).

**Battery replacement:**Use the supplied multi-use screw driver to remove the screw out in battery compartment which locates at rear of the headset, open ④ the battery compartment,and replace the inner battery with a new one.

## G.INSTALLATION

- 1).Check "H" the transmitter on/off switch is off.Connect one end of the supplied AC power adapter to a power outlet,and another end to "I" the DC in jack which located at rear of the transmitter to enter "Standby mode". "A & B" the headset charging indicator will light up in blue.(You can also charge the headset when transmitter is in standby mode).
- 2).Connect the system to TV or other audio equipment with supplied audio adaptors according to following connecting options.**Note:** The headset will auto turn off if there is no signal input for 3 minutes.

**Important:**You MUST connect the transmitter to "OUTPUT" of your TV or other audio equipment.

**Option A.Using 3.5mm to 3.5mm cable** Insert one end of the 3.5mm jack into "E" the audio in jack at rear of the transmitter.Insert another end of 3.5mm jack to "headphone"socket of your TV or other audio equipment that connect to.

**Option B.Using 3.5mm to 2RCA adaptor:**Insert one end of the 3.5mm cable into 3.5mm RCA cable, another end of 3.5mm cable into "E" the audio in jack at rear of the transmitter. Connect 3.5mm RCA jack to corresponding red and white sockets of your TV or other audio equipment that connect to.

**Option C.Using optical fiber and coaxial cable:**If your TV have digital output,connect optical fiber or coaxial cable to "F or G" the digital input jack at rear of the transmitter,and connect them to your TV digital output Jack.

- 3).Press ② the headset on/off button to turn on the headset,then, switch on "H" the transmitter on/off switch to use the system.

## H.START TO USE

- 1).Put ① the ergonomic earplug in your ears.Keep its front(the heart logo)facing towards the transmitter.  
**Note:**The bendable PP rods of headset were ergonomically designed to bring max.comfortableness to user.
- 2).Rotate ③ the volume control of headset to your preferred volume level.
- 3).Use the supplied multi-use screw driver to adjust ⑤ the balance control that locate at rear of headset's right side if the loudness is not the same in both ears.
- 4).After use,turn off the headset and return it to "C" the headset charging cradle on transmitter to charge for later use or store.Keep the front face of the headset and the transmitter in consistency to avoid reverse charging.  
**Note:**When you forgot to turn off the headset, headset will auto off when being placed in charging cradle.

**Please note:**

**You only need to choose a way of signal input:optical fiber or coaxial cable or 3.5mm signal input!**

## **Warning Statement**

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.

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

**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 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.