Safety Instructions

1. Read all instructions completely and heed all warnings. Install in accordance with TV Ears, Inc.’s instructions.
2. Keep these instructions in a safe place for future reference.
3. Do not use or submerge TV Ears products near water, moisture, or other liquids.
4. Clean with a dry cloth.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. For safety purposes, do not deface the prongs on the AC adapters. If the provided plug does not fit into your outlet, purchase the correct adapter or consult an electrician for replacement of the obsolete outlet.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where the cord exits from the transmitter.
8. TV Ears recommends using a surge protector to protect your TV Ears from power surges.
9. Only use attachments and accessories specified by TV Ears, Inc. with your TV Ears system.
10. Refer all servicing to qualified service personnel. Servicing is required when the TV Ears product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the TV Ears product, the TV Ears product has been exposed to rain or moisture, does not operate normally, or has been dropped, cracked, or broken.

**Warning:** To reduce the risk of fire or electric shock, do not expose the TV Ears product to rain or moisture. The TV Ears product should not be exposed to dripping or splashing liquids. Do not place objects filled with liquid such as vases on or near the TV Ears product.

**Warning:** To prevent possible hearing damage, do not listen at high volume levels for long periods of time.

**Warning:** Keep batteries out of reach of children. Discard the battery faceplate (leave batteries installed in faceplate) appropriately and carefully. If swallowed, call: US: The National Button Battery Ingestion Hotline: 202-625-3333

**Warning:** The magnetic field emitted by the TV Ears speakers is minimal. When used as indicated, TV Ears headsets should not cause magnetic interference with pacemakers or internal defibrillators. The magnetic field strength of the speakers is less than 1 Gauss when within 1 inch (3 cm) of the pacemaker or internal defibrillator. It is recommended that the user keep the ear tips at least an inch away from any pacemaker or internal defibrillator. If you have concerns, we recommend you contact your physician.
Table of Contents

Important Safety Instructions 1

Included in Box 3-4

Ideal TV Ears Set Up 5-6

Installation instructions 7
Step 1 | Connect the Transmitter to Your TV 7
Step 2 | Place and Power the Digital Transmitter 8
Step 3 | Charging the Headset 9

Alternative Methods of Installation 10
Option 1 | Digital Audio 10
Option 2 | AIK - Power Microphone 11
Option 3 | AIK - Headphone Jack Adapter 12

Using the System | Using the Headset 13

Maintenance and Replacement Parts 14

Frequently Asked Questions 15

Warranty and Guarantee Information | Contact Information 16

Manufacturer Declarations 17

Technical Specifications 18
Included in Box

TV Ears Digital Transmitter

TV Ears Headset

Optical Cord
Included in Box

- Audio Cord
- AC Adapter
- Microphone Extension Cord
- Microphone
- Balance Tool
- Headphone Jack Adapter
Ideal TV Ears Set Up

3 - 5 ft
Installation | Step 1

Connect the Transmitter to your TV

Analog Audio

1. Plug the dual end of the audio cord (red and black male plugs) into the analog (RCA) audio out ports on the back of the television, satellite, or cable box.

2. Plug the single end of the audio cord into the port labeled Analog Audio In on the back of the TV Ears transmitter.

TIP

1. Ports on the front of TVs are usually audio in ports and will not send sound to your TV Ears.
2. Fixed/Variable Audio Setting: audio out ports may be marked fixed or variable/fixed or L& R. A fixed audio out setting will allow the television volume to work independently from the TV Ears headset. The television volume can be on mute or at a low level while the TV Ears’ volume can be turned up.
   • Consult your television manual / manufacturer to manually program the television to FIXED audio if currently set to VARIABLE audio.
Installation | Step 2
Place and Power the Digital Transmitter

The infrared diodes must be in direct line of sight with the headset so the headset can receive the infrared signal.

1. Place the transmitter on a flat surface 3 - 5 feet off the ground. Point it towards the seating area where the headset will be used.

2. Then plug the end of the AC adapter into the ports labeled **12V** on the back of the transmitter.

3. Plug the AC adapter into a standard electrical outlet or surge protector.
Charging the Headset

Each headset comes pre-charged with enough battery power for at least 10 minutes of use. The headset will last around 6 - 8 hours on a full charge, but will decrease as the volume reaches higher levels. A fully exhausted battery will take between 8 - 10 hours to charge completely. The 1 hour “Quick Charge” feature will rapidly charge a partially drained battery sufficiently for typical use, which is around 2 to 4 hours.

1. Turn the headset volume knob to the off position. You will hear and/or feel a click when it has been turned all the way into the off position.

2. Place the headset in the transmitter-charging cradle facing forward.

3. Check to see that the charging lights illuminate. The left charging light will illuminate if there is a headset in the front cradle and the right charging light will illuminate if a headset is in the rear charging cradle.

We recommend storing the headset in the charging cradle of the transmitter when not in use to avoid damaging the headset. Remember, the headset needs to be turned off when not being used and it cannot be over-charged.
Alternative Installation

Option 1: Digital Audio

1. Determine which digital audio jack you will use on your transmitter and your TV, satellite, or cable box.
   - The transmitter supports optical connections with a TOSLINK-style port and coaxial connections with an RCA-style port.
   - Most devices have an optical audio output jack that is compatible with the included TOSLINK-style optical cable.
   - If you have a device that uses a coaxial jack for digital audio, you will need to purchase a standard RCA cable (standard RCA cable is not included in this package).

2. If using the optical cord, remove clear sleeves from each end. Plug in the appropriate digital audio cable into the appropriate jack labeled **Digital Audio In** on the back of the TV Ears transmitter.

3. Plug the other end of the digital audio cord into your chosen digital audio output jack of your TV, satellite, or cable box.

**TIP**

The TV must be set to PCM mode in order for this installation option to work. TV Ears systems are not compatible with Dolby Digital. The PCM setting can normally be adjusted through the television’s audio settings. Note that not all TVs have the option to be set to PCM. The amber lock light indicates that the transmitter is currently receiving a valid digital audio signal.
Alternative Installation

Option 2: AIK

Use the AIK (Alternative Installation Kit) if audio out ports are not available or present.

Power Microphone

The TV volume must be on for the power microphone to work. The TV volume cannot be muted when using the power microphone.

1. Plug the power microphone into the female end of the extender cord.

2. Plug the male end of the extender cord into the port labeled Analog Audio In on the back of the TV Ears transmitter.

3. Remove the protective cover from the Velcro on the power microphone and stick the microphone to the front of the television speaker.
Alternative Installation

**Option 2: AIK**

**Headphone Jack Adapter**

This method of installation often cuts off the volume to the TV speakers, but may also be used for single audio out port installations which would not cut off the volume to the TV speakers.

1. Plug the single end of the audio cord into the port labeled **Analog Audio In** on the back of the transmitter.

2. Plug either the red or black plug of the dual end of the audio cord into the female end of the headphone jack adapter.

3. Plug the headphone jack adapter into the headphone jack or audio out port of your TV.

**TIP**

If your TV has a simple audio out port, you may use this form of installation. This would not mute the sound of the TV.
Using the System

Using the Headset

**Put on the Headset:**
Using both hands, gently separate the bow arms at the top by the ear tips and place earpieces into each ear.

**ON/OFF and Volume**
To turn the headset ON, rotate the volume dial and set the volume to your comfort level.
To turn the headset OFF, rotate the volume dial reducing the volume until you feel or hear a click.

**Tone**
The tone dial controls bass and treble. To adjust, rotate the tone dial to your hearing preference.

**Balance**
The balance control is located on the back of the headset and comes set equal to both ears. To change the balance of volume to the right or left ear, insert the balance control tool and turn the tool towards the ear you want to increase the volume to.

**Removing the Headset**
Turn off the headset. Using both hands, gently separate the bow arms at the ear tips, removing the earpieces from your ears. Remove the headset by lowering it under your chin. Place the headset in the charging cradle.
Maintenance and Replacement Parts

TV Ears Headset Battery
MSRP $24.95   Item # 40805
TV Ears Digital Replacement Battery w/Front Plate

10 Pack of Foam Ear Tips
MSRP $24.95   Item # 40707
Foam TV Ears Tips 10 Pack With Snap Tip Adapters

5 Pairs of Rubber Ear Tips
MSRP $24.95   Item # 40710
Rubber TV Ears Tips 5 Pair of Washable Tips

If you normally watch television for longer than 6 hours or have more than one television in your home, we recommend that you purchase an additional TV Ears Headset. (see back cover)
Frequently Asked Questions

Why do my TV Ears mute when I mute the TV?
Fixed audio out will allow the television volume and TV Ears volume to work independently from one another. Some televisions have to be manually switched from the “Variable” audio setting to the “Fixed” audio setting by using your TV menu. Not all TVs have the ability to switch from a variable to a fixed audio out (consult your television manual or manufacturer). When the TV is set to a “Variable” audio out setting, the volume of the TV Ears headset will be the same volume as the TV.

Why do I hear a television station when I’m watching a DVD/video?
When the audio cord is plugged into the analog (RCA) audio out port of a cable or satellite box AND an analog (RCA) audio out port of a DVD player or VCR, you must turn off whichever device is not in use. Turn off the cable/satellite box when watching a DVD or video. Turn off the DVD/VCR player when watching TV.

How do I charge the headset?
Turn the headset off and gently place into the charging cradle of the transmitter. Be sure the charging light on the front of the transmitter illuminates. See Step 3 of Installation.

How do I know the headset is charging?
The left charging light will illuminate if there is a headset in the front cradle and the right charging light will illuminate if a headset is in the rear charging cradle.

Will the lights change colors once the headset is fully charged?
No, the charging light will remain a constant color as long as a headset is placed in the charging cradle. We recommend keeping the headset in the charging cradle when not in use, for safekeeping.

What is the lifetime of the batteries?
The rechargeable battery is designed to last between 1 - 2 years depending on usage.

Will TV Ears work in movie theaters and play houses?
Yes, the Digital systems operate at 95kHz, which is compatible with many movies and play houses. While it works in most places, TV Ears does not guarantee that its products will work in all public places. Check with individual places to verify system compatibility.

What does 95kHz mean?
95kHz is the frequency of the infrared signal that is sent by the transmitter to the headset. Infrared signals are invisible light signals and are not disturbed by electrical storms.

Will TV Ears work in the presence of fluorescent lighting?
Yes, however if you are in an office with large overhead fluorescent lighting we advise turning the lights off.
5 Year Limited Warranty
This 5 year limited warranty will cover defects in manufacturing and product failure for a period of five years after the original purchase date. If your product fails or breaks for any reason within 180 days of the original purchase it will be replaced with a new product of the same model at no charge. If your product fails or breaks after 180 days of the original purchase date and up to five years after original purchase date it will be replaced for 50% off manufacturers suggested retail price with a new product of the same model. If the model you purchased is discontinued you will receive a new or similar model. Perishable items such as ear tips and batteries are not covered under this warranty. Shipping charges are also not covered under this warranty.

Repairs or alterations performed by non-authorized TV Ears representatives will void the warranty and may damage the equipment. Also if the TV Ears product is taken outside of the US the warranty becomes void.

This warranty is provided at the discretion of TV Ears, Inc. and does not cover cosmetic damage or damage due to acts of nature, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the product.

Contact Information
1-888-883-3277 | For Sales. 6am to 6pm PST Monday through Friday.

1-866-611-9934 | For Customer Support. 6am to 6pm PST Monday through Friday.

1-888-958-7899 | Main Fax line.

questions@tvears.com | For any email questions.

Mailing Address:
TV Ears, Inc.
2701 Via Orange Way, Suite1
Spring Valley CA, 91978
Manufacturer Declarations

TV Ears Declaration
All content, marks, and brand logos are property of TV•EARS® Inc. TV•EARS® Inc. reserves the right to change product content and product specifications without notice.

CE Declaration of Conformity

Rechargeable Batteries
The supplied rechargeable batteries can be recycled. In order to protect the environment, only dispose of exhausted rechargeable batteries at a proper recycling facility. Do not dispose of batteries in trash.

WEEE Declaration
TV Ears products are developed and manufactured with high-quality materials and components that can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime. Please dispose of this product by bringing it to your local collection point or recycling center for such equipment. This will help protect the environment.
## Technical Specifications

### System

<table>
<thead>
<tr>
<th>Modulation</th>
<th>Infrared, Mono</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier frequencies</td>
<td>95 kHz</td>
</tr>
<tr>
<td>Range</td>
<td>2000 sq. ft (185.5 m²)</td>
</tr>
<tr>
<td>Audio frequency response</td>
<td>80-18,000 Hz</td>
</tr>
<tr>
<td>THD</td>
<td>&lt; 1%</td>
</tr>
</tbody>
</table>

### Headset

<table>
<thead>
<tr>
<th>Max SPL</th>
<th>120 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>NiMH (Nickel Metal Hydride) rechargeable</td>
</tr>
<tr>
<td>Operating Time</td>
<td>Between 6 and 8 hours on a full charge</td>
</tr>
<tr>
<td>Weight</td>
<td>1.6 oz (45g)</td>
</tr>
<tr>
<td>Height</td>
<td>7.75 in (19.7 cm)</td>
</tr>
</tbody>
</table>

### Transmitter

<table>
<thead>
<tr>
<th>Audio / Microphone connection</th>
<th>Mini headphone/RCA cable/Microphone/Optical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>DC Switching Power Supply 12v, 400mA</td>
</tr>
<tr>
<td>Weight</td>
<td>3 oz (85g)</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>1.5” x 4.25” x 3.4” (3.8cm x 10.8cm x 8.6cm)</td>
</tr>
</tbody>
</table>
TV Ears Digital System
Accessories

**Digital Transmitter Kit**
MSRP $149.95  Item # 11211
Digital Transmitter, Optical Cord, Audio Cord, AIK and AC Adapter

**TV Ears Headset**
MSRP $99.95  Item # 10221
Additional 95 kHz Headset

**TV Ears Cord Kit**
MSRP $49.95  Item # 40721
Voice Cord Kit, Phone Cord, Music Cord, Audio Cord and a 30ft Extender Cord

Since 1998
TV Ears has been helping people hear TV. Backed by the recommendation of thousands of Audiologists and Doctors nationwide, TV Ears has become the #1 selling brand for wireless TV listening devices with over 1 Million satisfied users.

www.tvears.com
To order, visit our website or dial the number below.

888.883.3277

TV Ears logos, pictures, design, and content ©2012 TV Ears, Inc. All rights reserved.