

# Conversor Pro

The Assistive Listening Device  
by Conversor Limited



User's Manual



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## ***Welcome!***

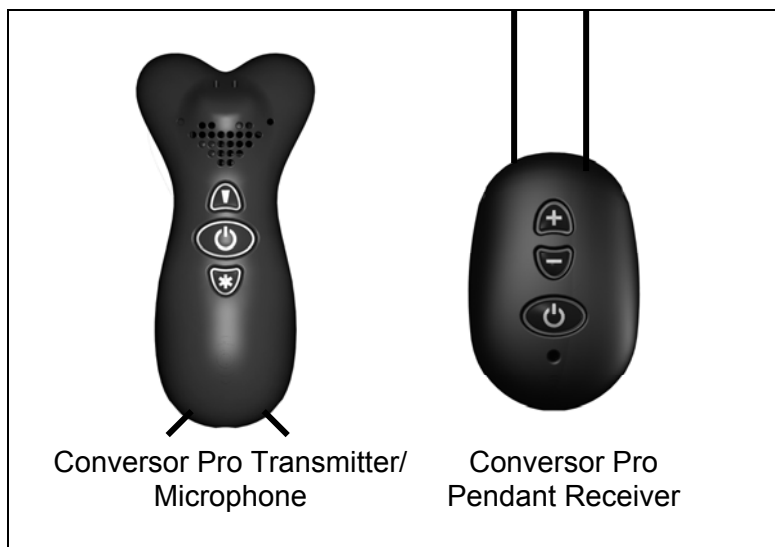
**Thank you for your purchase of *Conversor Pro***, one of the most versatile and enabling Assistive Listening Devices available on the market that greatly enhances the clarity of sound received by your Hearing Instrument(s) in a variety of everyday situations.

*Conversor Pro* consists of two lightweight components and charging system, including:

- A Microphone Transmitter
- A Pendant Receiver
- A Power Supply Unit
- A Mains Lead
- International Plugs

All are enclosed in a padded carry case, which allows you to protect and store your unit.

A *Neck Cord* is also supplied to enable the Microphone Transmitter to be worn optionally by a speaker around his or her neck.





**Wireless Microphone Transmitter**



**Pendant Receiver**



**Power Supply Unit**



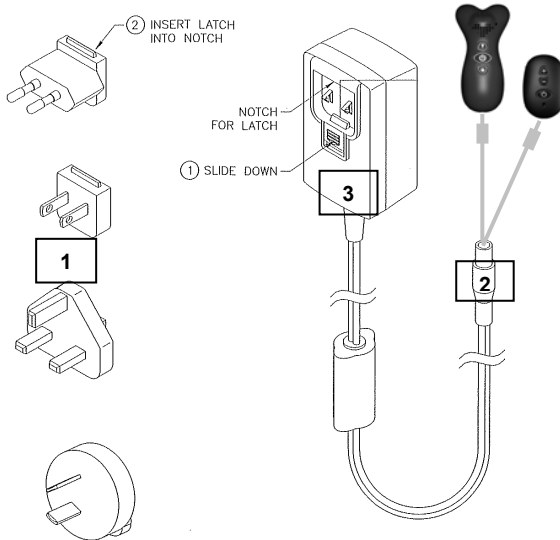
**Neck Cord**



**Padded Carry Case**

Used together with your Hearing Instrument(s), *Conversor Pro* will greatly improve your ability to hear, select and focus on a particular sound. You simply point the Microphone Transmitter towards, or place it close to, the sound that you wish to hear. The Pendant Receiver is worn at all times during use around your neck, either above or beneath clothing. In order to set up *Conversor Pro* correctly and to familiarize yourself with the controls and buttons, please read this User Guide carefully. \*In order to receive the benefits of *Conversor Pro*, your Hearing Instrument(s) must have a “T” or Telecoil setting.

## How to Charge Conversor Pro:



1. Attach the correct mains adaptor to the charger
2. Attach to the Microphone and Receiver using the dual socket
3. Plug into mains socket and charge according to the instructions below.
4. The lights on the ON/OFF switch on the microphone and receiver will stay red until the unit is fully charged when they will turn green.

Below is a guide showing you charge times and corresponding battery life.

Charge time on fully discharged batteries*	Approximate battery life
25 Minutes	1 Hour
40 Minutes	2 Hours
65 Minutes	4 Hours
90 Minutes	6 Hours
150 Minutes	8 Hours

*When the battery indicator light turns red, it indicates that only 25% charge remains. The battery needs recharging soon.*

\* Please note that you do not need to wait until your batteries are completely run down before you recharge them. You can “top-up” the charge any time at your convenience. However it is recommended you fully discharge all batteries approximately once a month.

## Setting up Conversor Pro for the First Time



Please ensure that the Microphone and the Receiver are fully charged (see page 6).

### 1. Make sure your hearing instrument is working

Switch your Hearing Instrument to the Telecoil Mode.  
(See your Hearing Instrument User Guide or Consult your Audiologist.)

### 2. Microphone Set-up



1. To switch between the zoom and omni directional modes press the button  
 A green light indicates zoom mode is ON.
2. Switch the Microphone **ON/OFF** by pressing the centre button. A green light indicates ON. A red light indicates battery low.
3. To select the Boost mode press the Button  
 A green light indicates boost is ON.
4. A green light and audible sound signals the selection of a mode



### 3. Using the Zoom and Omni-Directional Functions

Select the boost button for additional amplification when the speaker or sound source is too quiet. Select the Zoom mode for one to one conversations and when in a group listening to a speaker, lecturer or teacher. Omni-Directional mode is used for family or group situations where you wish to hear all the sounds around you.

## Setting up Conversor Pro for the First Time

### 4. Setting up the Receiver



1. To adjust the volume between high and low select the button to increase the volume.  

2. To adjust the volume\* between high and low select the button to decrease the volume.  

3. Switch the Receiver ON/OFF by pressing the bottom button
4. Independent Microphone

The Conversor Pro receiver has a green light when it is “paired” correctly with the transmitter<sup>+</sup>. If the light goes Red, the battery is low and operation may stop within the hour. If the receiver’s light is half Red and half Green the receiver is not paired with the transmitter, and the receiver uses its internal microphone. To restore the connection between transmitter and receiver, press the power button on the transmitter twice (OFF then ON).

### 5. To use *The Conversor Pro* Receiver on its own

*The Conversor Pro* Receiver has an onboard microphone which enables it to be used as an Assistive Listening Device without the Transmitter. To use in this mode, turn on only the Receiver.

<sup>+</sup>When the receiver is too far away from the transmitter, the receiver automatically switches to the onboard microphone. The transmitter has range of approximately 20 metres.

\* **Volume Memory** — *The Conversor Pro* Receiver automatically stores the most recent volume level selected before the unit was switched off. This level remains selected until a new level is chosen. Each level is indicated by a “beep” when the volume control is pressed. When the top of the volume range is reached a higher pitch “beep” can be heard.



# ***Setting up Conversor Pro for the First Time***

## **6. How to Listen with *Conversor Pro***

Switch your hearing instrument to 'T', but do not adjust its volume control.

Point the Microphone at a source of sound.

As you turn up the volume control on the Receiver, you should begin to hear sound transmitted from the Microphone clearly.

*Conversor Pro* Microphone has now taken over from your Hearing Instrument. This is a bit like having the hearing instrument microphone in your hand. When *Conversor Pro* Microphone is set to the Omni-Directional setting, you will not yet experience the full benefit of *Conversor Pro*, but this procedure will help you to match the sound level of the *Conversor Pro* with your hearing instrument.

## **7. Checking the sound balance**

When the Hearing Instrument is set to the "T" Setting, a buzz may be heard if the Hearing Instrument is close to strip lighting, computers or TV Screens. Consult your Audiologist for advice on adjusting or replacing the Telecoil for optimum use.

It is important to match the volume levels of your hearing instrument with *Conversor Pro* Receiver, so that you can switch between the two without any increase or decrease in sound level. Once the preferred sound level is achieved, you are ready to try *Conversor Pro* in the Zoom setting.

## **8. Sockets and Connections**

*Conversor Pro* microphone and receiver each have one 3.5mm Jack Socket which is used for both battery charging (see page 6) and for connection to the Audio Jack Cable and TV Adaptor Cable (see page 10) supplied.

## **Sockets and Connections – Microphone**

The *Conversor Pro* Microphone can be connected to other audio devices as described below. The following Accessories are included in your package. Additional units can be purchased by contacting your Distributor, or Conversor Limited.



### **1. Connecting to Radio or Stereo Hi-Fi Equipment**

Use the enclosed Audio Jack Cable supplied to connect to the audio devices. Plug one end into The *Conversor Pro* Microphone Audio Input Socket and other end to the audio device via the headphone socket.

### **2. Connecting to the Television, Sky or Cable box**

Use the enclosed TV Adaptor cable (SCART block not for use in the USA). For connection to the audio device, plug the Phono cables supplied into the SCART block and connect it to the television, Sky or Cable box. Connect the jack pin end to The *Conversor Pro* Microphone.

### **1. Direct Audio Input (Audio Jack Cable)**

Most current TV, Radio or Stereo models have a headphone socket on the front panel. Plug the Audio Jack Cable into this socket to connect the audio device to *The Conversor Pro* Microphone.

By plugging the Audio Jack Cable into the headphone socket on the TV or Audio Device, the speaker of the audio device will be disconnected, so that other people cannot listen at the same time.

### **2. Direct Audio Input (TV Scart Adaptor)**

The SCART socket is a multi pin socket found on the rear of many Televisions, Sky and Cable boxes. By connecting the Scart Adaptor with the Phono Cables to *The Conversor Pro* Microphone, connection to the device is made simple and it allows other to listen to the device as well.

### **3. Direct Audio Input (Phono Cables only)**

If your audio device does not have a SCART socket on the rear panel, it will most likely have Audio Phono Sockets. These are small circular rings with a red or white plastic insert, and they may be located on the front or rear of the audio device (Please refer to your audio device owner's manual). As with the SCART Adaptor, connection does not interrupt sound to the speakers, allowing others to listen at the same time. You can connect *The Conversor Pro* Microphone into these sockets using the Phono Cables.

When an external sound source is connected to *The Conversor Pro*, both the Zoom and Omni-Directional microphones are switched off to eliminate surrounding sounds. To activate the Microphone's Omni-directional function, simply press the Zoom / Omni-directional button on the Microphone.



## ***Sockets and Connections – Receiver***

*The Conversor Pro* Receiver can also be used with an earpiece or binaural headphones instead of using your Hearing Instrument, as described below.



Simply plug the ear piece or headphones jack into the socket located on the bottom of *The Conversor Pro* Receiver.

This socket is an Audio Output Socket. It can also be used to connect the output to desktop speakers for added amplification. For further information on how to use it in this way, please contact your Distributor or Conversor Limited.

## ***How to Use the Neck Cord with the Conversor Pro Microphone***



The Neck Cord allows the speaking companion to wear *The Conversor Pro* Microphone around his or her neck for hands-free convenience and greater mobility during conversation, such as in the car.

The Neck Cord is attached to *The Conversor Pro* Microphone by slipping it onto the tab on the back of the Microphone, as shown above. Simply adjust the Neck Cord length to suit.

## Care Instructions

- *The Pro* has been calibrated for optimum use.
- Do not subject *The Conversor Pro* Microphone or Receiver to heavy shock.
- Keep both units away from moisture and high humidity – they are not waterproof.
- Try to avoid long periods of exposure to direct sunlight.
- Gently coil the Receiver Neck Loop for storage rather than tightly winding it around the unit. It contains a wire and quick release connection, which could be damaged.
- Do not attempt to open either *The Conversor Pro* Microphone or Receiver casing (other than the battery compartment to change the battery). They contain no user-serviceable parts. Opening either unit will invalidate the Manufacturer's Warranty (See page 22).



Conversor Pro Transmitter/  
Microphone



The Conversor Pro  
Pendant Receiver

## ***Changing the Battery***

Lithium batteries are available from your distributor or audiologist, and they can replace them for you. You can also change them yourself, following these instructions:

### **Transmitter**



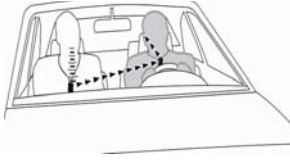
### **Receiver**



1. Slide open the battery cover.
2. Remove the existing battery.
3. Pull out the connector.
4. Insert the new battery into the battery socket as shown. Pay particular attention that the ridge of the connector plug fits into the groove of the fixed connector socket.
5. Tuck in the wires and replace the battery cover.

# Conversor Pro in Everyday Use

## IN THE CAR



**As a passenger  
(Holding the  
Microphone)**

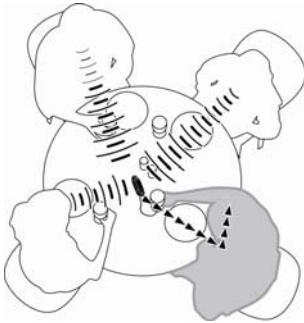
or



**A driver  
(Passenger wears  
the Microphone)**

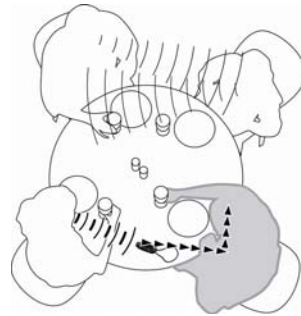
The inside of a moving car can be a noisy environment, creating listening problems for wearers of hearing instruments. Whether you are the driver or a passenger, *Conversor Pro* enables you to hear your driving companion(s) clearly, even as a backseat passenger.

## AT A FAMILY PARTY, MEAL, DINNER OR GROUP DISCUSSION



**Group Listening /  
Discussion**

or



**One-to-one  
Conversation**

For one-to-one conversation, set the Microphone to the *Zoom* mode and place it on the table between you and the person you want to converse with. Or to join in with group discussions, select the *Omni-Directional* mode on the Microphone and place it in the middle of the table.



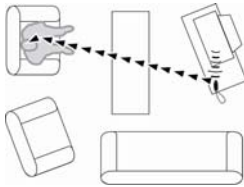
## **IN A CAFÉ OR RESTAURANT**



### **Intimate conversation in a café or busy restaurant**

Place the Microphone on the table close to your companion and select the *Zoom* mode for relaxed conversation, despite any loud background noises.

## **WATCHING TELEVISION**



### **Watching on your own**



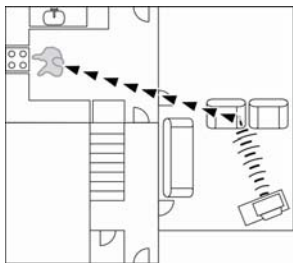
### **Watching with another person**

With *Conversor Pro* there is no need to purchase a separate TV Amplifier or Room Loop. Use *Conversor Pro* to watch comfortably at home or away.

(1) *Watching on your own*: Place the Microphone next to the TV for optimal sound level, or connect the Microphone to the TV audio output or SCART connection using the supplied accessory. (See page 11 for further assistance on audio/visual connections).

(2) *Watching with another person*: Keep the Microphone on the arm of the chair next to you and your companion. This enables you to turn the Microphone towards the other person for relaxed conversation, while listening to the TV at the same time.

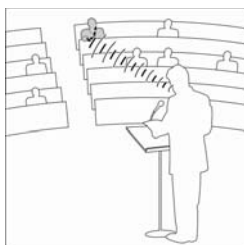
## REMOTE LISTENING



### Listening to the TV from another room

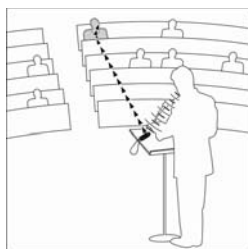
Place the Microphone near the TV and move about from room to room. Your Receiver will pick up the sound clearly from the TV up to 25 metres away, even if you are in another room.

## AT A LECTURE OR CONFERENCE



Held in your hand

or



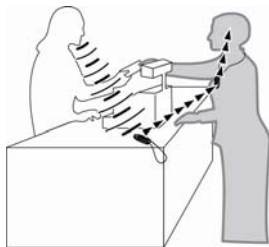
Placed near or worn  
by the speaker

*Conversor Pro* has been designed to give you the ability to listen to speakers clearly from a distance. There are two ways to achieve this:

(1) Hold the Microphone in your hand and point it at the sound source up to 15 metres away. In a large quiet room, select the *Zoom* mode in conjunction with the *Boost* mode to focus on a distant speaker.

(2) Or, place the Microphone on the lectern, or ask the speaker to wear it using the *Neck Cord* supplied. The Microphone will transmit the speech up to 25 metres away with enhanced clarity of sound to your Hearing Aid.

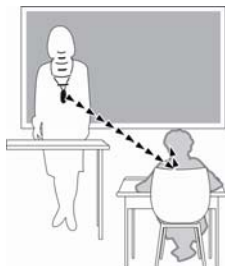
## **OUT SHOPPING**



**With a shop Assistant    or    With a family member or friend**

Place the Microphone on the countertop to hear the shop assistant clearly. Or, if you have a child or family member who is Hearing Impaired, you wear the Microphone and your hearing impaired companion wears the Receiver. Your companion will be able to hear your voice loud and clear in the store.

## **IN THE CLASSROOM**

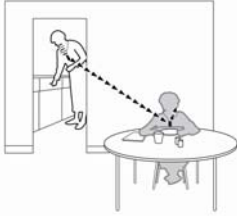


**The teacher wears the Microphone on the *Neck Cord* supplied.**

Using the *Neck Cord* supplied, the teacher wears the Microphone when instructing the whole class. The teacher's voice is transmitted to the student(s) wearing the Receiver(s) with enhanced clarity up to 25 metres away.

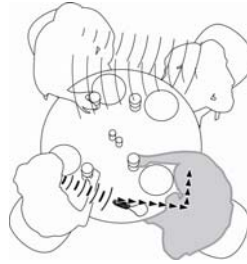
During one-to-one sessions, the student may wish to place the Microphone on his or her desk, or point it at the teacher or other student when they are speaking.

## ONE-TO-ONE CONVERSATION



**Remote conversation  
between rooms**

or



**Single conversations  
in a group**

At home, most couples do not spend all their time together in the same room. Have your companion wear the Microphone using the *Neck Cord* supplied. By wearing your Receiver, you will hear the other person with clarity, and be able to converse at comfortable levels despite being in different rooms. This mode of use can also be employed when out and about – whether shopping, going for a walk, or simply out with friends.

## ***Troubleshooting***

### **Transmitter & Receiver do not start:**

Please ensure that the Transmitter and Receiver are charged correctly. The ON/OFF buttons must be pressed to operate both units. A green light will glow behind the button to signal that the unit is on.

If it still does not work, please check that the charger leads are connected properly as well as the connection to the mains, then recharge. If this still does not solve the problem, please contact your distributor for a battery check / change.

### **Poor sound quality:**

Please ensure that the range in which you are trying to operate does not exceed the operating distance. Check that the batteries are fully charged, as this can result in a drop in sound quality and operating range. If the batteries are low, the light will change from green to red.

### **Poor range and interference:**

*Conversor Pro* has been designed for optimum sound quality and range. In certain environments consisting of iron / steel or metalwork frames, the range can be reduced. There may also be some interfering equipment close by such as strip lighting, PC equipment, fans or motors. These items give off an electrical magnetic field, which can interfere with radio equipment.

### **NOTE:**

To identify if the environment you are in is likely to give any interference, select the Telecoil setting on your Hearing Instrument without *Conversor Pro* switched on, and walk around the room to see if there are any unusual sounds being picked up by the Hearing Instrument. If a lot of interference is heard, please be aware that by using *Conversor Pro*, these sounds will be amplified.

## ***Manufacturer's Warranty***

The manufacturer, Conversor Limited, issues a two-year limited warranty to the original consumer of this product. This warranty will go into effect upon the date of original purchase of this equipment, and shall remain in effect for two calendar years from that date.

### **What is covered by this warranty?**

Any electronic component which, because of workmanship, manufacturing, or design defects, fails to function properly under normal use during the life of this warranty will be replaced or repaired at no charge for parts or labor when returned to the point of purchase. Transportation costs shall be paid by the customer. If it is determined that repair is not feasible, the entire unit may be replaced with an equivalent unit upon mutual agreement of the Distributor and the customer.

### **What is not covered by this warranty?**

This two-year limited warranty does not apply to:

- Malfunctions resulting from abuse, neglect, or accident.
- Peripheral accessories as itemized within the product brochure, when such items are returned after 90 days from the original purchase.
- Batteries, Transmitter Microphone Wrist Strap and Receiver Neck Loop.
- Instruments installed, connected, used, or adjusted in a manner contrary to the instructions provided.
- Consequential damages and damages resulting from delay or loss of this unit. The exclusive remedy under this warranty is strictly limited to repair or replacement as herein provided.
- Products damaged in transit unless investigated by the shipper and returned to the warrantor with the investigation report.

The manufacturer reserves the right to make changes in the design or construction of any of its products at any time without incurring any obligation to make any changes whatsoever on units previously purchased.

This warranty is in lieu of all other expressed warranties by the manufacturer. No representative or person is authorized to represent or assume for the manufacturer any liability in connection with the sales or use of this products other than as set forth above.

If your unit requires service under the terms of this warranty, carefully package the complete product to prevent damage in transit and return it to the point of purchase. Include a detailed description of the problem, your full name, billing and shipping address, and telephone number.

The above warranty does not affect any legal rights that you might have under applicable national legislation governing the sale of consumer goods. Your point of purchase may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult your point of purchase for further information.

# Statements of Compliance & Conformity

*Conversor Pro* is intended to be used as an Assistive Listening Device by persons who are hard of hearing.

For sale in the following countries: European Union and all countries outside the European Union



We, **Conversor Limited of The Lansbury Estate 102 Lower Guildford Road Woking, Surrey GU21 2EP United Kingdom**, declare that the product *Conversor Pro* Assistive Listening Device is in conformity with *Council Directives* 1999/5/EC Radio & Telecommunications Terminal Equipment

- ETSI EN 301-489-1 V1.7.1 (2007/04)
- EN 55022: 2006
- EN 61000-3-2: 2006
- EN 61000-3-3: 1995 A1 & A2
- EN 61000-4-2: 2001
- EN 61000-4-3: 2006
- EN 61000-4-4: 2004
- EN 61000-4-5: 2006
- EN 61000-4-6: 2005
- EN 61000-4-11: 2004
- ETSI EN 300-422-2 V1.1.1

The manufacturer also declares the conformity of above mentioned product with the actual required safety standards in accordance with **LVD 73/23 EEC**.

EN 60950-1:2001 Safety  
EN 60950-1:2003 Safety

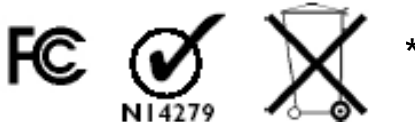
**Conversor Limited**  
March 2008

## FCC ID: QA6CONVERSOR-PRO IC: 5529A-CONVERPRO

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 which may cause undesired operation.

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



### **\*For the European Union and EEA only**

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.  
(EEA: Norway, Iceland and Liechtenstein)

Contact Details:

Made in the EU for Conversor Limited  
[www.conversorproducts.com](http://www.conversorproducts.com)