



**WILLIAMS SOUND®**

*Helping People Hear*

# **Pocketalker® Ultra**

Personal Amplifier

Amplificador personal

Amplificateur personnel

## **MANUAL AND USER GUIDE**

PKT D1 Amplifier

Amplificador PKT D1

Amplificateur PKT D1



## OVERVIEW

The POCKETALKER® ULTRA is a versatile, high quality assistive listening device designed to improve communications in difficult listening situations. The POCKETALKER® ULTRA delivers clear, distinct sound, while its large, manageable controls provide for easy operation.

Use the POCKETALKER® ULTRA to improve listening on a one-to-one basis, in small group situations, while listening to your favorite TV or radio programs, or while riding in the car.

The POCKETALKER® ULTRA is not sold, advertised, or intended for use as a personal hearing aid. Williams Sound recommends that any individual experiencing hearing loss be examined by a physician to determine the cause before using amplification.

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## SAFETY INFORMATION

### Hearing Safety:

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### **CAUTION!**

This product is designed to amplify sounds to a high volume level which could potentially cause hearing damage if used improperly. ***To protect your hearing and the hearing of others:***

1. Make sure the volume is turned down before putting on the earphone or headphone before adjusting the volume to a comfortable level.
2. Set the volume level at the minimum setting that you need to hear.
3. If you experience feedback (a squealing or howling sound), reduce the volume setting and move the microphone away

from the earphone or  
headphone.

4. Do not allow children **or other unauthorized persons** to have access to this product.

**Battery Safety and Disposal:**



**CAUTION!**

This product is supplied with disposable Alkaline batteries. Do not attempt to recharge disposable batteries, which may explode, release dangerous chemicals, cause burns, or other serious harm to the user or product.

### Pacemaker Safety:

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## **CAUTION!**

1. **Before** using this product with a pacemaker or other medical device, consult your physician or the manufacturer of your pacemaker or other medical device.
2. If you have a pacemaker or other medical device, make sure that you are using this product in accordance with safety guidelines established by your physician or the pacemaker manufacturer.

## RECYCLING INSTRUCTIONS



*Help Williams Sound protect the environment! Please take the time to dispose of your equipment properly.*

### ***Product Recycling for Customers in the European Union:***

Please do NOT dispose of your Williams Sound equipment in the household trash. Please take the equipment to an electronics recycling center; OR, return the product to the factory for proper disposal.

### ***Battery Recycling for Customers in the European Union:***

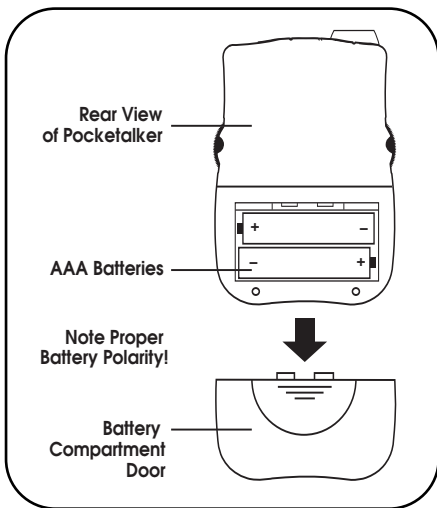
Please do NOT dispose of used batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

7/25/06

## GETTING STARTED

1. Open the battery compartment door: Using your thumb, apply firm pressure on the ridges of the door and slide it down and away from the POCKETALKER® ULTRA.
2. Press 2 AAA disposable batteries

### BATTERY INSTALLATION



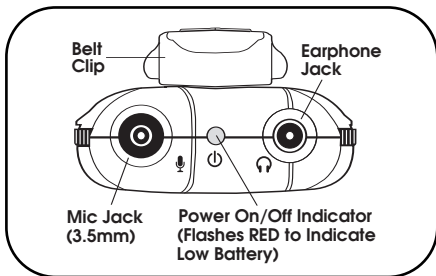


into place over the black ribbon, being careful to observe correct placement of (+) and (-) terminals.

**NOTE:** If you're using rechargeable AAA batteries (optional), they **MUST** be charged before use!

3. Close the battery compartment door: align the door on the back of the unit and slide it upwards until it snaps into place.

### POCKETALKER® ULTRA: Top View

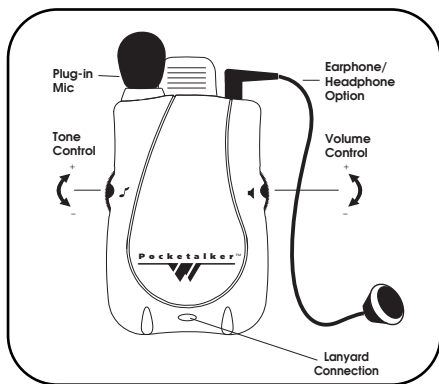


4. Plug the microphone into the "MIC" jack and the earphone or

headphone into the "EARPHONE" jack. Your POCKETALKER® ULTRA system can be used with the optional Mini Earphone (EAR 013), Dual Mini Earbud (EAR 014), Wide Range Earphone (EAR 008), Lightweight Headphone (HED 021), Rear-wear Headphone (HED 026), or Neckloop (NKL 001).

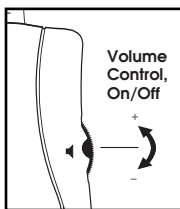
5. Put on the earphone or headphone.

### POCKETALKER® ULTRA: Front View



6. Turn on the POCKETALKER® ULTRA by turning the Volume Control counter-clockwise. The red "on" indicator light on the top of the unit should be lit.

## VOLUME CONTROL

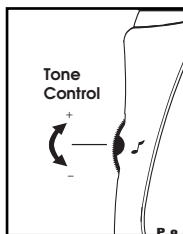


7. Adjust the volume up or down according to your preferences.

8. Adjust the tone according to your preferences.

Turning the tone control fully clockwise boosts the high frequency gain by 11 dB at 5 kHz. Turning the tone control fully counterclockwise boosts the low frequency response.

## TONE CONTROL



**NOTE:** The Power On/Off light on top of unit will flash RED when battery is low.

## LISTENING IN CONVERSATIONS

The POCKETALKER® ULTRA picks up sounds and boosts them according to the volume you've set. *For best results, place or hold the POCKETALKER® ULTRA's microphone as close as possible to the person who is speaking.*

### SEATED

Many users set the POCKETALKER® ULTRA on a table if they're in a restaurant or small group situation. Laying the POCKETALKER® ULTRA flat on the table surface provides superior pickup to standing the POCKETALKER® ULTRA upright.

### STANDING OR WALKING

Many users use the POCKETALKER® ULTRA Belt Clip and attach it to their belt, pocket, or skirt.

## IN THE CAR

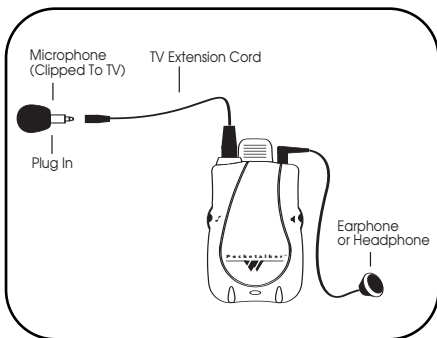
For conversations in the car, you can use the optional microphone extension cord (WCA 007) and optional Lapel Clip (CLP 014) to attach the mic to the shirt or blouse of your fellow rider.

## TV LISTENING

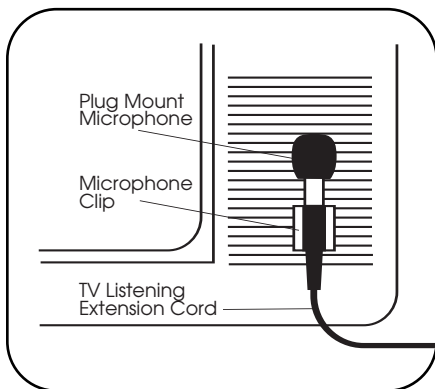
The optional TV Listening Kit includes a 12 foot cord (WCA 007) to extend the POCKETALKER® ULTRA microphone. To use the POCKETALKER® ULTRA for TV listening:

1. Unplug the microphone from the top of the unit and plug it into the extension cord. Arrange the cord to reach the loudspeaker of the TV and plug the other end into the POCKETALKER® ULTRA.

### EXTENDING THE MIC FOR TV LISTENING



## PLACEMENT OF MIC CLIP ON TV



2. Attach one of the self-adhesive plastic clips to the TV, near the loudspeaker, as shown in the illustration.
3. Press the microphone into the plastic clip.
4. Turn on the TV and the POCKETALKER® ULTRA. Adjust the volume on both as needed.

## USING A NECKLOOP

Williams Sound's optional neckloop telecoil couplers magnetically couple the audio output from the POCKETALKER® ULTRA into a hearing aid equipped with a telephone coil.

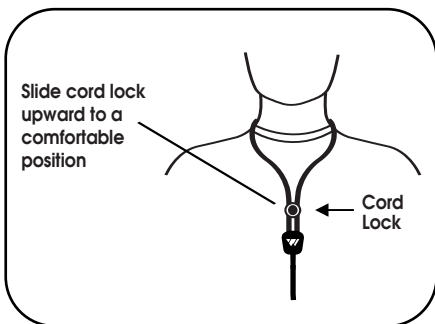
*NOTE: The Neckloop (NKL 001) works only with hearing aids equipped with a telephone coil (T-Switch).*

### HOW TO USE THE NECKLOOP

1. Place the neckloop over your head and around your neck.
2. Slide the bead upwards to a comfortable position. This helps keep the neckloop in optimal position for coupling with your hearing aid.
3. Plug the neckloop into the ear-phone jack on the POCKETALKER® ULTRA.



## USING THE NECKLOOP

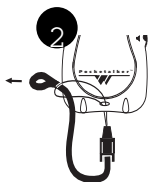
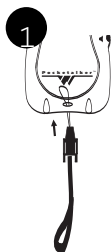


4. Turn the POCKETALKER® ULTRA on and set the volume control to "5", or about half of full volume.
5. Turn the switch on your hearing aid to the "T" position and adjust the volume for comfortable listening.
6. If the sound is weak, increase the volume on the POCKETALKER® ULTRA, then on your hearing aid.

## USING THE LANYARD

The lanyard provides a convenient way of transporting the POCKETALKER® ULTRA from place to place; it protects your investment from accidental dropping, and provides quick and easy access for operation whenever it is

### INSTALLING THE LANYARD (RCS 003)



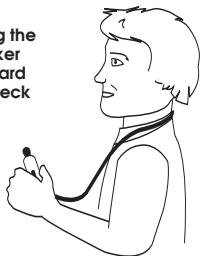
needed. Wear the lanyard around your neck, wrist, or secure it on a belt.

## EXAMPLES OF LANYARD USE



Pocketalker  
Worn Around  
Neck

Operating the  
Pocketalker  
with Lanyard  
Around Neck



## HINTS & TIPS

The POCKETALKER® ULTRA has been designed to be as easy to use as possible. However, if you have trouble, check the following:

1. Make sure the microphone is plugged into the "MIC" jack and the earphone or headphone is plugged into the "EARPHONE" jack.
2. Make sure the batteries are not depleted and have been inserted correctly into the battery compartment.
3. If rechargeable, make sure the batteries are sufficiently charged.
4. If you experience a howling or squealing sound, this is called feedback. Depending on the earphone or headphone used, you can sometimes get feedback when the volume control is

turned higher than 3 or  $3\frac{1}{2}$ .

To eliminate feedback, turn down the volume control or move the microphone further away from the earphone or headphone.

Also, try turning the Tone Control down (or counterclockwise) to reduce the high frequency.

5. The POCKETALKER® ULTRA earphone jack is a mono jack, designed for mono earphones and headphones. If you use stereo earphones or headphones with the POCKETALKER® ULTRA, only one side of the headphones will work.

6. If the steps above don't solve the problem, contact your Williams Sound Dealer for further instructions.

## POCKETALKER® ULTRA SPECIFICATIONS

### PERSONAL AMPLIFIER, MODEL PKT D1

**Dimensions:** 3.38"L x 2.23"W x .88" THK. (85.8mm x 56.6mm x 22.3mm)

(Not including belt clip or microphone assembly)

**Weight:** 2.5 oz. (70.9 grams) (with batteries and microphone)

**Color/material:** Silver gray, ABS/Polycarbonate molded plastic case.

**Battery Type:** Two 1.5V (AAA size) alkaline

**Battery Life:** Up to 200 hours (typical usage)

Low Battery Indicator: red light on top panel flashes.

**Microphone:** Omnidirectional, electret microphone assembled in housing with foam windscreen and 3.5mm mono plug.

**Tone Control:** External rotary control knob to allow user to optimize hearing.

**Volume Control:** External rotary control knob with power ON-OFF switch.

**Microphone Jack:** 3.5 mm, mono, gold plated mini plug.

**Headphone Jack:** 3.5 mm, mono, nickel plated mini plug.

**Accessories:** Belt clip: Allows the user to wear the unit on a belt.

Lanyard: Allows the user to wear around the neck.

TV listening extension cord: extends the microphone to 12 ft.

Optional earphones/headphones:

Mini earphone, single (EAR 013)

Dual mini earbud (EAR 014)

	Wide range earphone; single (EAR 008)
	Lightweight headphone (HED 021)
	Wide range headphone (HED 026)
	Induction neck loop (NKL 001)
<b>Approvals:</b>	CE, RoHS, WEEE
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)

**Electrical Specifications (1k Hz ref.)**

<b>Power output:</b>	50 mW (max) into 16 ohms
<b>AGC:</b>	Limits maximum output level
<b>Distortion:</b>	1% THD (max)

**Frequency response**

<b>Tone at high position:</b>	11dB boost at 5 kHz, 8dB cut at 400 Hz.
<b>Tone at mid position:</b>	0dB boost at 5 kHz, 4dB cut at 400 Hz.
<b>Tone at low position:</b>	3dB cut at 5 kHz, 4dB boost at 400 Hz.

**NOTE:**

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## ACOUSTIC SPECIFICATIONS

Typical values (ANSI S3.22-1987)

### Lightweight headphone, HED 021: (with 6cc coupler)

Test	Tone High	Tone Mid	Tone Low
SSPL90	124.3 dB	124.8 dB	124.8 dB
HF Avg (SSPL90)	120.7 dB	120.6 dB	120.5 dB
HF Avg full on gain (50 dB)	46.9 dB	44.9 dB	41.0 dB
Ref test gain	43.7 dB	43.6 dB	41.5 dB

### Wide range headphone, HED 026: (with 6cc coupler)

Test	Tone High	Tone Mid	Tone Low
SSPL90	121.4 dB	125.3 dB	124.8 dB
HF Avg (SSPL90)	119.5 dB	120.7 dB	120.9 dB
HF Avg full on gain (50 dB)	45.6 dB	44.8 dB	41.2 dB
Ref test gain	42.5 dB	43.7 dB	41.7 dB

### Mini earphone single, EAR 013: (with 2cc coupler)

Test	Tone High	Tone Mid	Tone Low
SSPL90	123.8 dB	124.0 dB	123.2 dB
HF Avg (SSPL90)	118.7 dB	118.6 dB	118.6 dB
HF Avg full on gain (50 dB)	44.7 dB	44.2 dB	38.9 dB
Reftest gain	41.7 dB	41.6 dB	39.2 dB



## LIMITED WARRANTY

Williams Sound products are engineered, designed and manufactured under carefully controlled conditions to provide you with many years of reliable service. Williams Sound warrants the POCKETALKER® ULTRA Amplifier against defects in materials and workmanship for FIVE (5) years. During the first five years from the purchase date, we will promptly repair or replace the POCKETALKER® ULTRA Amplifier.

*Microphones, earphones, headphones, batteries, cables, carry cases, and all other accessory products carry a 90-day warranty.*

WILLIAMS SOUND HAS NO CONTROL OVER THE CONDITIONS UNDER WHICH THIS PRODUCT IS USED. WILLIAMS SOUND, THEREFORE, DISCLAIMS ALL WARRANTIES NOT SET FORTH ABOVE, BOTH EXPRESS AND IMPLIED, WITH RESPECT TO THE POCKETALKER® ULTRA AMPLIFIER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A

PARTICULAR PURPOSE. WILLIAMS SOUND SHALL NOT BE LIABLE TO ANY PERSON OR ENTITY FOR ANY MEDICAL EXPENSES OR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY ANY USE, DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT, WHETHER A CLAIM FOR SUCH DAMAGES IS BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE. THE SOLE REMEDY FOR ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT IS REPLACEMENT OF THE PRODUCT. NO PERSON HAS ANY AUTHORITY TO BIND WILLIAMS SOUND TO ANY REPRESENTATION OR WARRANTY WITH RESPECT TO THE POCKETALKER® ULTRA. UNAUTHORIZED REPAIRS OR MODIFICATIONS WILL VOID THE WARRANTY.

The exclusions and limitations set out above are not intended to, and should not be construed so as to contravene mandatory provisions of applicable law. If any part or term of this Disclaimer of Warranty is held to be illegal, unenforceable or in conflict with applicable law by a court of

competent jurisdiction, the validity of the remaining portions of this Disclaimer of Warranty shall not be affected, and all rights and obligations shall be construed and enforced as if this Limited Warranty did not contain the particular part or term held to be invalid.

If you experience difficulty with your system, call Toll-Free for Customer Assistance:

**1-800-843-3544 (U.S.A.) or**

**1-952-943-2252 (Outside the U.S.A.)**

If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions.

Pack the system carefully and send it to:

**Williams Sound Corp.**

**Attn: Repair Dept.**

**10321 West 70th Street**

**Eden Prairie, MN 55344 U.S.A.**



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