

# Pocketalker® Ultra Personal Amplifier • Model PKT D1



## Description:

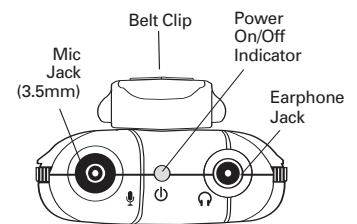
The Pocketalker Ultra amplifies sound clearly and easily for better understanding. Up to 200 hours of battery life ensures long-lasting performance. Each Pocketalker Ultra includes a plug-in sensitive microphone and for the TV listener, a TV listening extension cord. Use the Pocketalker Ultra with a variety of available earphones and headphones of your choice, or a neckloop and a telecoil-equipped hearing aid.

## Applications:

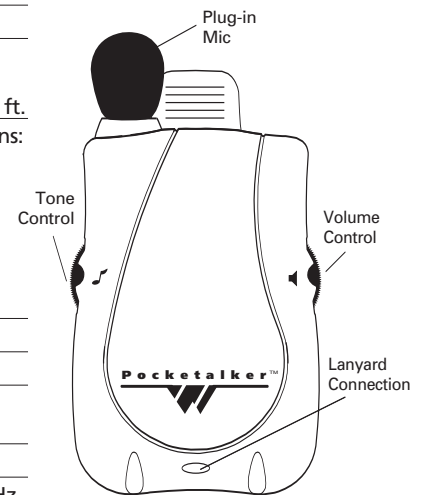
- 1-on-1 Conversations • TV Listening • Listening in the Car • Small Groups and much more

## PKT D1 Personal Amplifier:

|   |   |
|---|---|
| Dimensions:                             | 3.38" L x 2.23" W x .88" THK. (85.8mm x 56.6mm x 22.3 mm)<br>(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 wind screen 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 included:                   | Belt clip: Allows the user to wear the unit on a belt.<br>Lanyard: Allows the user to wear around the neck.<br>TV listening extension cord: extends the microphone to 12 ft.  |
| Options:                                | Unit comes packaged with one of the Williams Sound options:<br>Mini earphone, single (EAR 013)<br>Dual mini earbud (EAR 014)<br>Wide range earphone; single (EAR 008)<br>Lightweight headphone (HED 021)<br>Wide range headphone (HED 026)<br>Induction neck loop (NKL 001) |
| Approvals:                              | CE, RoHS, WEEE  |
| Warranty:                               | 5 years, parts and labor (90 days on accessories)   |
| Electrical Specifications (1k Hz ref.): | Power output: 50 mW (max) into 16 ohms<br>AGC: Limits maximum output level  |
| Distortion:                             | 2% THD (max)  |
| Frequency Response:                     | Tone at high position: 11dB boost at 5kHz, 8dB cut at 400 Hz.<br>Tone at mid position: 0dB boost at 5kHz, 4dB cut at 400Hz.<br>Tone at low position: 3dB cut at 5kHz, 4dB boost at 400 Hz.  |



PKT D1 Top



PKT D1 Front

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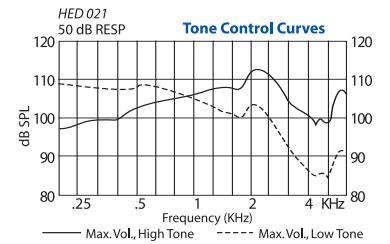
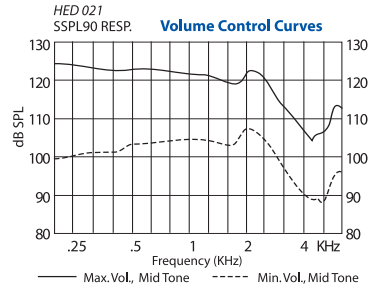


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## Acoustic Specifications: Typical values (ANSI S3.22-1987)

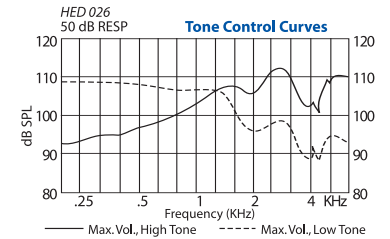
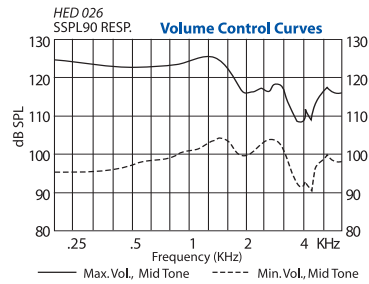
### Lightweight headphone, HED 021: (with 6cc coupler)

| Test                        | Tone High | Tone Mid | Tone Low |
|-----------------------------|-----------|----------|----------|
| SSPL90                      | 124.3 dB  | 124.8 dB | 124.8 dB |
| HF Ave (SSPL90)             | 120.7 dB  | 120.6 dB | 120.5 dB |
| HF Ave 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  |



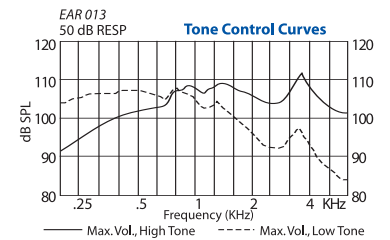
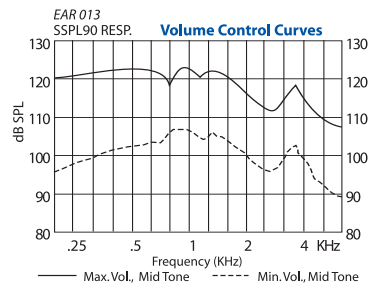
### Wide range headphone, HED 026: (with 6cc coupler)

| Test                        | Tone High | Tone Mid | Tone Low |
|-----------------------------|-----------|----------|----------|
| SSPL90                      | 121.4 dB  | 125.3 dB | 124.8 dB |
| HF Ave (SSPL90)             | 119.5 dB  | 120.7 dB | 120.9 dB |
| HF Ave 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 Ave (SSPL90)             | 118.7 dB  | 118.6 dB | 118.6 dB |
| HF Ave full on gain (50 dB) | 44.7 dB   | 44.2 dB  | 38.9 dB  |
| Ref test gain               | 41.7 dB   | 41.6 dB  | 39.2 dB  |



Note: 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/audiologist to determine the cause before using this device.

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## Bid Specs:

The Williams Sound Corp. Pocketalker Ultra, model PKT D1 shall be housed in an ABS plastic impact resistant plastic silver case with a removable battery door. The dimensions shall be 90mm X 55mm X 20mm. The Pocketalker Ultra shall operate on 2 X AAA batteries and operate for up to 200 hours continually with disposable alkaline batteries. The Pocketalker Ultra shall have a maximum 130dB output with EAR 013 earphone and have a non-adjustable AGC (Limiter) and external rotary adjust tone control. The Pocketalker Ultra shall have a combination ON/OFF rotary volume control and a red power LED that will flash to signal when the battery level is low. The Pocketalker Ultra shall have 3.5mm mono microphone and earphone jacks. The Pocketalker Ultra shall have a removable belt clip for hands free operation and lanyard connection at the bottom of the case. The Pocketalker Ultra shall have CE approval and be compliant with RoHS and WEEE regulations. The Pocketalker Ultra shall have a five-year warranty excluding earphones, headphones, batteries, chargers, belt clip and other accessories. The Pocketalker Ultra shall be the Williams Sound Corp. model PKT D1.

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