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DT Series Anti-Radiation Headset for DECT Telephones
DT30




DT-series Anti-Radiation Headset for DECT Telephones

Accutone™'s DT-series headset include DT30, DT808 and DT818, for more information, please visit www.accutone.com.

All DECT cordless telephones emit the same type of pulsed microwave radiation (about 1.8 GHz or higher) as ordinary GSM mobile phones. Emission can be about 6 V/m within one meter of the base unit. The radiation is continuously generated for as long as it is plugged in. Dr. Lennart Hardell*'s paper on mobile phone use and brain tumours shows a dose response increased brain cancer risk for long-term use. A DECT phone is a mobile phone, so for health concerns Accutone® has developed a series of Anti-radiation headset, for both mobile phones and DECT phones.

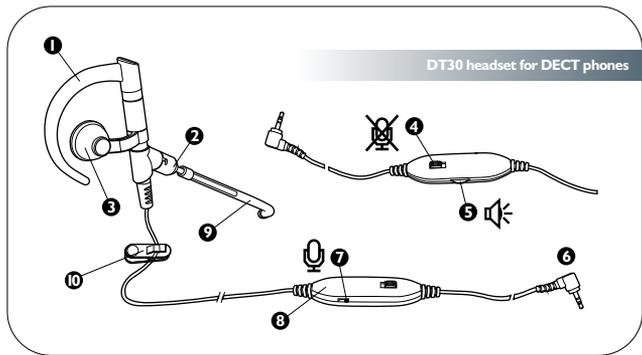
The DT30 anti-radiation earwear headset for DECT phones shares the same technology that have been tested by two independent laboratories with results showing Specific Absorption Rate (SAR) value obtained with the headset used normally showed a 99.5% reduction compared to normal use of the phone. Furthermore, with the headset cable wrapped around the phone's antenna - even in the worst case scenario - the headset reduced the SAR in the head by a 96% compared to the normal use of the phone. All these results are approved by BABT Product Services.

Aside from the anti-radiation design, the DT30 is also the first of its class to house a full aluminum casing with multiple-adjustment points and surge protection in it's ASP circuitry, mute button for privacy, volume control, impedance compensator to fit all phones and high-end professional speaker with noise-canceling microphone.

Lennart Hardell*

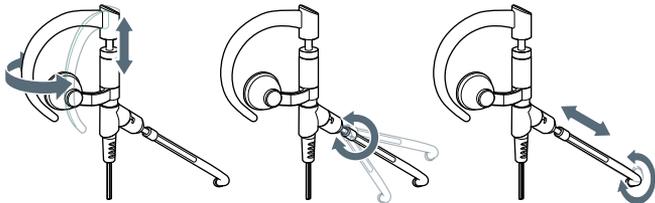
Dr Lennart Hardell is professor in oncology and cancer epidemiology at the University Hospital in Orebro, Sweden. Most of his research has been on risk factors for cancer such as exposure to pesticides and persistent organic pollutants. Examples of such agents are herbicides, dioxins, PCBs and brominated flame-retardants. During recent years he and his co-workers have studied use of cellular and cordless telephones and the risk for brain tumours. He works also as a consultant at the Department of Oncology at the hospital.

* Identifying Key Component to your DT30 headset



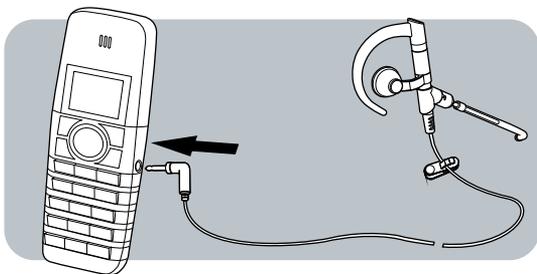
1. Soft-rubber earhook
2. Microphone-boom ball joint
3. Aluminum speaker chamber
4. Mute switch
5. Speaker volume control
6. 2.5mm plug to mobile/ DECT
7. Microphone gain setting
8. Anti-radiation module
9. Transparent sound tube
10. Clothing clip

I. Multiple-point Adjustments.



- * Move the earhook vertically up and place on ear, flip speaker chamber horizontally to fit in ear. Push the earhook vertically down to fit ear tightly.
- * Transparent Sound Tube is rotatable and also extendable.

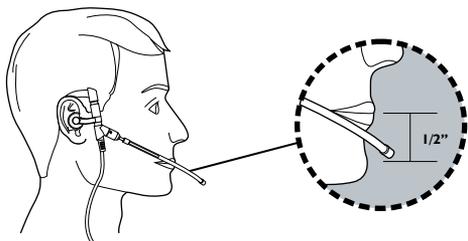
2. Connecting headset to your DECT phone.



Almost all DECT cordless phones in the market shares the universal 2.5mm jack for it's headset port. (However, not all DECT phones have a headset port, please check the user manual of the DECT phone to see if the feature is available).

Locate the headset port of the DECT phone (check your manual if needed), and simply insert the 2.5mm plug into the jack to complete connection.

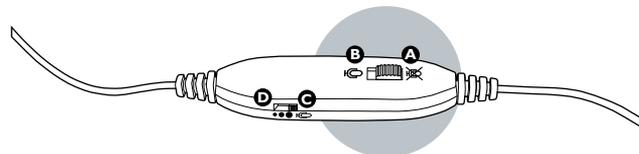
3. Proper Wearing Method.



- ★ Standard H30 / DT30 are suitable for right ear usage only.
- ★ Position the microphone capsule approximately 1/2" from your mouth for optimal performance. The tip of the should be facing towards your mouth.

4. Understanding the In-line Controller.

Microphone Gain & Mute Switch

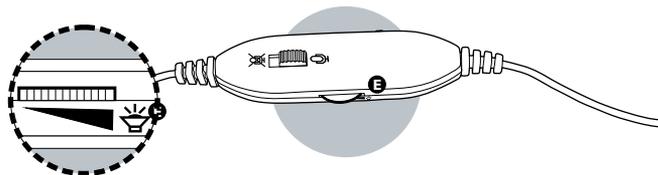


Aside from containing the Anti-radiation circuitry, the inline controller includes various switches. The Microphone Mute Switch offers user quick privacy by muting the microphone pick-up. Slide the switch to position (A) for muting and back to position (B) to go back to normal speaking mode. The Microphone Gain Switch (C) acts as a microphone pairing between the headset and your DECT phone. It is not designed to be a volume control, hence user should only be required to make this setting once. Notice the three positions marked by different sizes of circle, the left-most and smallest circle indicates lowest microphone gain. Starting with the leftmost position, place a call and ask the person on the other side which position has the optimum sensitivity level



Caution: Make sure you switch to the leftmost position (D) before you make this setting, because different DECT phones have very different microphone sensitivity, if the microphone gain is set too high, the headset speaker may **SQUEAL**, which can cause damage to the user's ear and the headset.

Speaker Volume Control



The Speaker Volume Control (E) dial on the side of the inline controller allows user to adjust the incoming volume. Increase volume by turning the dial towards the speaker icon, and vice versa to decrease volume.

5. Detailed Technical Specifications

GENERAL CHARACTERISTICS

Speaker	15mm diameter
Microphone	Transparent Sound Tube
Cord Length	1.5 meter
Plug	2.5mm Audio

SPEAKER CHARACTERISTICS

Speaker Type	Dynamic Speaker
Rated Impedance	32 Ω
Frequency Range	300 ~ 3500 Hz

MICROPHONE CHARACTERISTICS

Microphone Type	Electret Condenser Microphone
Impedance	2200 Ω
Sensitivity	-40 dB/PA
Directivity	Omni-directional
Operation Voltage	2 V
Current Consumption	< 500 nA

5. Recycling & Warranty

RECYCLING

The H30 / DT30 headset is WEEE and RoHS compliant and must be recycled or disposed properly. Contact your local recycling center for proper disposal.

WARRANTY

Do not remove or alter any serial number print or sticker on any part of the device, as this will automatically void the product's warranty,

6. Precautions & Warnings

Please read the following safety instructions before using your H30 / DT30 professional earwear headset.

WARNINGS

- Listening with the device at high volume may damage your hearing.
- Adjusting the volume for the microphone or speaker too high may cause squealing (feedback noise) and can damage your hearing.
- Device must be connected according to the method shown in this manual.
- Place product far away from water, fire, extended exposure of direct sunlight or magnetic field, and places of excessive dust, moist, rain, shock or electromagnetic radiation.
- Do not drop this device or subject it to external shock which may cause malfunction.
- Do not disassemble or attempt to open up the casing under any circumstances, contact your distributor or retail outlet on repair or replacement.
- Whenever unplugging the 2.5mm plug from the DECT phone, apply force to the plug part only. Jerking the cord instead of the plug may cause damage to the product.
- Operating and storage temperature is 10°C to 40°C.
- Do not use liquid cleanser or aerosol cleanser as they may damage the device or the finishing of the device. Use only a dry cloth to clean the external portions.
- Prevent the headset from coming into contact with moisture or liquid, to protect against damage to it or injury to you.

6. Trademark & Copyright

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