



Telephone Tips

CII and Platinum BTE

Advanced Bionics offers accessories that provide different listening options when using a telephone with your Platinum or CII BTE Sound Processor.

Below are some examples:

1. Microphone on the Platinum or CII BTE Sound Processor
2. T-Mic® Microphone
3. Auxiliary Audio Earhook with Telephone Adapter
4. Auxiliary Audio Earhook with Telecoil Pickup Telephone Adapter

Using the Microphone on the CII or Platinum BTE Sound Processor

Simply place the handset speaker of the telephone over your BTE sound processor microphone. This easy method does not require additional accessories.

T-Mic Microphone

The T-Mic is an in-the-ear microphone for hearing in noisy environments and for effortless access to telephones, cellular phones, consumer audio electronics, and assistive listening technology. Many BTE recipients use the T-Mic full time and are able to use a telephone simply by placing it to their ear in a normal fashion.



The T-Mic is an optional earhook and is the default choice for most adult CI recipients. To order a T-Mic (#CI-5825) visit the [Webstore](#) or call Customer CARE at (877) 829-226 or (800) 678-3575 TTY.

Auxiliary Audio Earhook With Telephone Adapter

The Auxiliary Audio Earhook with the Telephone Adapter provides a direct connection between a desktop telephone and the BTE. Attach the Auxiliary Audio Earhook to the BTE, and connect the Telephone Adapter to the end of the Auxiliary Audio cable. The telephone cord on the telephone adapter should be plugged in place of the telephone handset receiver, and the receiver should be plugged into the side of the telephone adapter. Once connected, you should be able to lift the phone handset and hear a dial tone.



Auxiliary Audio Earhook (#AB-8750)



Telephone Adapter (#CI-5705)

Auxiliary Audio Earhook With Telecoil Pickup

Telephone Adapter

The Telecoil Pickup Telephone Adapter is a third method for using the CII BTE and Platinum BTE on the phone. The Telecoil Pickup Telephone Adapter is a cable with a suction cup that houses a telecoil. It provides access to inductive loop environments via the telecoil. The Telecoil Pickup Telephone Adapter plugs into the Auxiliary Audio Earhook Cable, and the suction cup sticks on the back side of the earpiece of the telephone receiver. Placement may need to be adjusted for the strongest signal. Once connected, if the telephone handset is lifted, a dial tone should be heard.



Auxiliary Audio Earhook (#CI-5705)



Telecoil Pickup Telephone Adapter (#AB-7750)

What are induction loops and t-coils?

An induction loop is a special wire within a room or phone that emits an electromagnetic signal. This signal is picked up by the t-coil (or telecoil) and is then transmitted to the sound processor. When you plug the Telecoil Pickup Telephone Adapter into your Auxiliary Audio Earhook, you are ready to pick up the signal from an induction loop.

Note: You do not have to attach the suction cup directly to the phone or loop. It simply must be close to it.

Other Information to Consider When Using a Telephone

Cordless phones can be used with BTE Sound Processors.*

Some features to consider are:

- Volume control
- Speaker phone capability
- Headset jack to:
 - Plug in a patch cord for direct connection to the cochlear implant
Please note: Most cordless phones have a 2.5 mm headset jack, and Advanced Bionics accessory cables have a 3.5 mm plug. If using a patch cable supplied by Advanced Bionics, you will need to ensure that your cordless phone headset jack accepts a 3.5 mm plug; otherwise, you will need to purchase an off-the-shelf adapter.
- Hearing-aid compatibility of the phone
- Compatibility of the transmission frequency of the cordless phone and the cochlear implant
- 900 MHz cordless phones work well
- 2.4 GHz cordless phones usually work well, although occasionally a model may result in interference
- 5.8 GHz cordless phones are compatible, but occasionally a model may result in interference.
- 49 MHz cordless phones are not compatible with our cochlear implant

*Although cordless phones are compatible with cochlear implants, the user of the phone (not necessarily the implant user) may experience interference if the battery is low, the cordless phone user is too far from the base, and/or the implant patient passes between the base and the one using the cordless phone.

Cordless phones with these features can be purchased at your neighborhood electronics store or through specialty vendors that work with assistive listening devices developed specifically for individuals with hearing loss.

Your audiologist may provide assistive listening devices such as amplified telephones, or know of a resource in your immediate community. These specialty phones are also available for purchase over the Internet.

Below is a partial list of these assistive technology vendors; additional vendors can be found by searching "assistive listening devices" on the Internet.*

Assistive Listening Devices Online Vendors

Clarity Products www.clarityproducts.com
 HARC Accessolutions www.hacofamerica.com
 Beyond Hearing Aids www.beyondhearingaids.com
 Harris Communications www.harriscomm.com
 Sound Clarity www.soundclarity.com
 Audex www.audex.com

*Advanced Bionics does not support any products purchased through outside vendors.

Audio Mixing

Audio mixing options are available on BTE Sound Processors. Audio mixing allows the microphone on the BTE sound processor to remain active when connected directly to a T-Mic, telecoil, or any other external audio-input. This is important so you can hear your own voice and environmental sounds in addition to the signal transmitted through the auxiliary device. You may need to see your audiologist to set up a program with the correct audio mixing for connecting to your telephone. If you are directly connecting to a telephone with a cable or adapter, you may want your audiologist to set up an audio mixing ratio of 100% auxiliary so that you hear only the sounds from the telephone.

For more information, please contact the Bionic Ear Association at: hear@advancedbionics.com.

The Bionic Ear Association (BEA) is a FREE membership organization that supports you and your family.

Whether you are considering cochlear implants or currently use them, the BEA provides resources, information and programs to support you along your Journey to Sound. [Join today!](#)