

# C.H.A.A.M.P.

*Compatible Hearing Amplified Accessory for Mobile Phones*



## Instruction

## Manual

## *Welcome to the Audex Family of Customers*

Congratulations on your purchase of the new CHAAMP accessory for Nokia digital cellular phones. This is the most unique device available for people wishing to improve volume, clarity and function on their digital cell phones. With a list of fourteen unique features, the CHAAMP makes cellular phones easier to use whether you have a physical hearing loss, or suffer temporary loss of clarity when using your phone in noisy environments.

Audex has been helping people communicate more clearly since 1984, when it began manufacturing infrared assistive listening devices. Since that time it has become recognized as one of the leading innovators in non-hearing aid products for people with hearing loss. From its small TV infrared system to its gigantic large area systems for customers such as Disney World and Universal Studios Orlando, Audex builds a wider variety of assistive listening devices than anyone else in the industry. Recently, Audex expanded its innovative designs to improve telecommunication clarity and understanding. In 1997, it developed the first modified 900 Mhz cordless phone for the home with greater volume and compatibility with hearing aids and cochlear implants. In 1998, it introduced the first modified hearing aid/cochlear compatible analog cellular phone. Now Audex offers the ultimate accomplishment in cellular telecommunications accessories...

### ***THE C.H.A.A.M.P.***

#### *Compatible Hearing Amplified Accessory for Mobile Phones*

We hope you enjoy your new CHAAMP. If you have any questions or would like to know more about our other innovative products that help overcome hearing loss and environmental noise, please visit us on our website at [www.audex.com](http://www.audex.com), or call us at 800-237-0716.

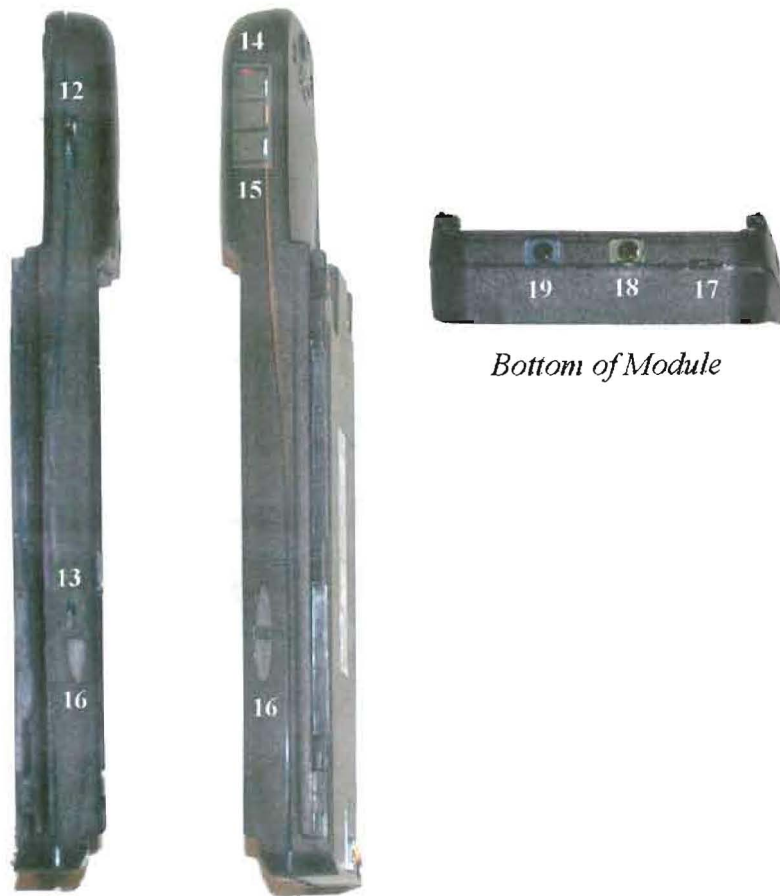
## *CHAAMP Features*



### *Features*

1. CHAAMP high gain speaker
2. Car Kit antenna port
3. Yellow "on" light/playback light/ring indicator
4. Red record light/ring indicator
5. Delete button
6. Latch release buttons (2)
7. Loop transmitter set and forget switch (Coil)
8. Speaker set and forget switch (Speaker)
9. Ringer set and forget switch (Ring)
10. Convenience flashlight/ring indicator
11. Serial number label

## CHAAMP Features



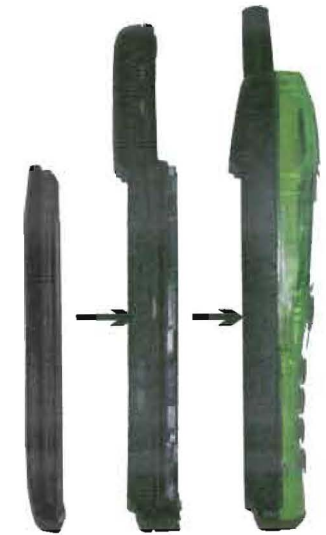
### Features

12. Volume/tone/flashlight control
13. Ringer output port
14. Playback button ( $\Delta$ )
15. Record Button (O)
16. Belt clip attachment indentation
17. Microphone port
18. 2.5mm mono microphone input jack (green)
19. 2.5mm stereo audio output jack (blue)

## CHAAMP Operation

### Attaching the CHAAMP

Attaching the CHAAMP to your phone is as easy as attaching the battery. First remove the battery from the back of the phone as described in your cell phone owners manual. Attach the CHAAMP, flashlight side next to the phone, in the same way you attach the battery. Place the battery on the back of the CHAAMP. Your CHAAMP is now in sleep mode and ready to use. When it is attached, the microphone, speaker and hands free jack in the phone are inactive and replaced by the CHAAMP speaker, microphone and external jacks. Phone mode display will indicate "Headset". Set your phone volume to three steps below full volume. (See phone instructions for details.) To remove the CHAAMP, both release buttons must be pushed simultaneously as you slide the CHAAMP down.



### Sleep Mode

After 90 seconds of inactivity (no incoming or outgoing calls, recording, or playback), and when the device is first attached to the phone, the CHAAMP yellow light goes off and the module "goes to sleep". In this state there is minimal battery usage. Pressing the record or playback button or receiving or making a call will cause the CHAAMP to "awaken", beeping once, turning on the yellow light and activating all CHAAMP features. Turning on the flashlight will not end sleep mode. When the CHAAMP "awakens", the volume is set to mid level and the tone is set to standard.

### Making Calls

Make calls with the phone the same way you would without the CHAAMP attached. After you initiate the call, turn the phone around so that the CHAAMP speaker is against your ear.

### Receiving Calls

Receive calls with the phone the same way you would without the CHAAMP attached. After you answer the call, turn the phone around so that the CHAAMP speaker is against your ear.

## CHAAMP Operation

### *Using the CHAAMP with a T-Coil*

To use the CHAAMP with your hearing aid t-coil, place the CHAAMP speaker against the hearing aid set to the "T" or "MT" position. If a noticeable buzz is present, move the CHAAMP away from the hearing aid 2 to 6 inches. If the buzz is still present, move the CHAAMP to the opposite side of the head and adjust its volume until a comfortable level is obtained in the hearing aid on the opposite ear. If the CHAAMP is at maximum volume and a good signal is not available to the hearing aid, increase the volume of the hearing aid and/or the volume of the phone. If a hearing aid is worn on both ears, turn the aid off on the side the CHAAMP is placed. A standard neckloop or silhouette inductor can also be used by plugging into the audio output jack on the bottom of the CHAAMP. (Requires audio adapter cable. See accessories for more information)

### *Using the CHAAMP with Hearing Aids w/o T-Coils*

To use the CHAAMP with a hearing aid without a t-coil, place the CHAAMP speaker against the hearing aid microphone and adjust the volume to a comfortable level. If a noticeable buzz is present, move the phone away from the hearing aid one to two inches. If the noise continues, remove the hearing aid and use the volume on the CHAAMP to adjust for a comfortable level.

### *Using the CHAAMP Without a Hearing Aid*

Whether you have a hearing loss, or find it difficult to understand your phone in high background noise environments, the CHAAMP can help increase the volume to a clear, comfortable level. Place the CHAAMP speaker firmly against the ear and adjust the volume to a comfortable level. If more volume is required, increase the phone volume also. (See your phone instructions for directions on raising the phone volume.)

#### **Warning**

*The CHAAMP produces an amplified audio signal that is many times louder than standard cellular phones. As with all amplified devices, care should be taken to limit long term exposure to very loud sounds.*

## CHAAMP Operation

### *Set and Forget Switches*

#### **Coil**

If you do not have hearing aids with t-coils, you can save battery drain by turning off the loop transmitter by setting this switch to off.

#### **Speaker**

If you will always use your CHAAMP with your hearing aid t-coils you can save battery drain by setting this switch to "off". In this position, your phone cannot be used by anyone without a hearing aid equipped with a t-coil.

#### **Ring**

If you do not wish to use the extra loud ringer you can disable it by setting this switch to "off". The phone ringer will still ring if it is not set to silent.

### *Volume Control Operation*

The volume control looks like a wheel, but is actually a switch. It raises the volume when it is rotated up and reduces the volume when it is rotated down. The volume can be adjusted in steps by pushing up or down and releasing quickly. If the control is pushed up or down and held, the volume rapidly cycles to maximum or minimum. When the maximum volume is reached, the CHAAMP will beep twice. When the CHAAMP "awakens", the volume is preset at the mid level.

The volume control is also used to change the tone. When it "awakens", it is preset to standard tone. Momentarily pressing straight in on the volume provides enhanced high frequencies. This has an effect similar to increasing the treble on your car radio. Momentarily pressing in on the volume control a second time returns to the standard setting. Pressing in on the volume control and holding it for two seconds activates the convenience flashlight. Releasing the volume turns the light off.

### *Amplified Ringer*

When the CHAAMP ringer is turned on, it will ring along with the ringer on the cellular phone. This provides the extra volume and optimum range of frequencies to insure the ring is heard even if the phone is carried in a pocket or purse.

### *Visual Ring Indicators*

When the phone rings, the red flashlight, the red record light, and the yellow "on" light flash. This occurs whether the amplified ringer is turned on or off with the set and forget switch.

## CHAAMP Operation

### Audio Output Jack

The blue 2.5mm stereo audio output jack has a multitude of uses. Because it is amplified, it will power a standard neckloop or silhouette inductors, remote speakers, headphones, earbuds, cochlear patch cord, or direct audio input (DAI) hearing aid patch cord. (May require audio input adapter cable. See accessories for more information.) When a device is plugged into this jack, the internal CHAAMP speaker is turned off, but the internal microphone remains active. This allows the user to plug in a small speaker and, by placing the phone in the center of a table in a quiet environment, create a conference system for several participants.

It also allows the user to plug in headphones, DAI hearing aids, or a cochlear implant patch cord, talking into the internal microphone with the phone held in the conventional way, or placed in front of the user up to 24 inches away in a quiet environment.

### Microphone Input Jack

This green 2.5mm mono jack allows a remote electret microphone to be plugged into the CHAAMP, providing true amplified hands-free operation. The internal CHAAMP microphone is inactive when a microphone is plugged into the microphone input jack. (May require audio adapter cable. See accessories for more information.) By using a hands-free mixer cable, a standard Nokia four-conductor hands-free device can also be used. (See accessories for more information)



**Conference System Setup**

## CHAAMP Operation

### Recording Function

#### Recording

The CHAAMP provides up to six minutes of recording divided into up to fifteen segments. Recording of both ends of a conversation can be made while a call is in progress. Memo recordings can be performed when a call is not in progress, or when the CHAAMP is disconnected from the phone. Pressing the record button causes a single beep and the red record light to illuminate, and recording begins. Pressing the record button a second time causes the red record light to go out and recording to stop. When a recording is being made, the red light is on. When recording a conversation while making a call, the party on the other end should be notified that the call is being recorded. Talk normally, holding the phone in the normal manner. External audio and microphone devices will work well with the CHAAMP recorder. To make additional recordings, repeat the record instructions for up to 15 different recordings or a total of six minutes. To make memo recordings when a call is not in progress, or when the CHAAMP is not connected to a phone, follow the same steps, talking directly into the CHAAMP microphone. With a little practice, excellent recordings can be made with consistency. During playback of a previous recording, if the record button is pressed, the playback automatically stops and recording begins.

#### Warning

**Some states restrict the unauthorized recording of telephone conversations. Check the rules in your state before making recordings of conversations with the CHAAMP. Audex accepts no responsibility for recordings made illegally by the user.**

#### Hint

**If any of the functions on your CHAAMP fail to operate, or operate erratically, (particularly the record or playback functions), you can reset the microprocessor and solve the problem by disconnecting the battery from the CHAAMP for 30 seconds and then reconnecting it.**

## CHAAMP Operation

### Playback

Pressing the playback button causes a single beep and the yellow "on" light to start flashing, and starts the playback of the first recorded message. Once the message has completed playback, the yellow light stops flashing and the playback stops. Pressing the playback button again replays the same message. Pressing the playback button while the recording is playing and the yellow light is flashing, causes the next message in line to begin playback. Each time the playback button is pressed during playback of a message, the playback of the next message in line is begun. Pressing the playback button during playback of the last recorded message, causes a double beep and playback stops. Pressing playback again causes the first message to play. Playback can be accomplished during a call, when no call is in progress, or when the module is disconnected from a phone. If a call is in progress, the party on the other end will hear the recording and your voice if you speak. You will also be able to hear them if they speak.

### Delete Function

Any recorded segment can be deleted without affecting the remaining recordings. To delete a specific recording, begin playback of the recording to be erased, and during playback, while the yellow light is flashing, press the delete button briefly and release. A beep will sound, the yellow light will stop flashing and the recording will be erased. No blank space will appear where the erased recording was located. To erase all recordings in one step, press and hold down the delete button for three seconds. The module will beep twice and all recordings will be erased. Pressing the playback button when all the recordings have been erased will produce a double beep. Recordings cannot be deleted when a call is in progress. Calls must be terminated before deleting a recording. Removing the battery from the CHAAMP will not delete your recordings.

*HINT: A message can be transferred to voice mail or personal answering machine by calling your home or business and when the recording begins, press playback on the CHAAMP until the correct recording is being played. The correct recording can be queued up in advance by playing it just prior to making the call. Memos to family members or office personnel can also be transferred in this way.*

## CHAAMP Accessories

- **External Speaker** (CHP-SPKR) Small, durable speaker plugs into the CHAAMP to provide conference-calling capabilities on the fly!
- **Audio Output Adapter Cable** (CHP-AC) Plugs into the audio output jack on the CHAAMP to allow the use of standard speakers, cochlear patch cords, and headphones. (2.5mm plug to 3.5mm jack)
- **Neckloop** (CHP-NL) Power neckloop provides superior results using two t-coil equipped hearing aids. No extra batteries required. (Requires adapter cable)
- **Cochlear Patch Cord** (CHP-CPC) Plug into a cochlear implant for superior sound quality. (Requires Adapter cable)
- **Hands-free Mixer Cable** (CHP-MYC) Allows use of standard hands-free Nokia accessories with the added benefit of amplifications for better hearing.
- • **Super Long Life Battery** (CHP-SLLBAT) 3800 mah Lithium Ion Battery for exceptionally long talk and standby times.
- • **Vibrating Battery** (CHP-VBAT) Add vibrating alert to your CHAAMP.
- • **CHAAMP Case** (CHP-COVER) Covers your phone with the CHAAMP attached.
- **Accessory Case** (CHP-CASE) Large enough to hold the CHAAMP, external speaker, microphone, and other accessories.
- • **Belt Clip** (CHP-BC) Ingenious design works with the CHAAMP attached to your phone.
- **T-coil Equipped Hearing Protection** (CHP-THP) OSHA approved, custom fitted hearing protection with built-in t-coil, allows you to clearly hear phone conversations in the noisiest industrial environments without removing your hearing protection.



## *Warranty*

If you are the original purchaser of this product, Audex warrants it against defects in material and workmanship for one year after the date of purchase. This warranty is in lieu of all other expressed or implied warranties. During the warranty period, Audex agrees to repair or, at its option, replace the defective product without charge for labor or parts. This is your exclusive remedy. This warranty does not cover damage resulting from accident, abuse, improper installation or operation, lack of reasonable care, the affixing of any attachment not provided by Audex or its authorized dealer and loss of parts. This warranty also does not cover damage resulting from acts of nature. This warranty is voided in the event any unauthorized person alters or repairs the product.

Audex disclaims any Implied Warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. Audex assumes no responsibility for any special incidental or consequential damages.

This warranty gives you specific legal rights and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental, or consequential damages or limitations on how long an Implied Warranty lasts so the above exclusions and limitations may not apply to you.

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 that may cause undesired operation.

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