

EASY & LISTENER™

300 personal FM system



user guide

300T transmitter

300R/350FSR receiver

)))))) **Phonic Ear®**

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basic system guidelines

To help ensure that you get the most out of your new system, we have put together the following list of suggested guidelines:

Charge the batteries every night. Rechargeable NiCad batteries (included with system) last approximately 12 hours between charges, but should be recharged every night so they are ready to go in the morning. Plan on buying new NiCad batteries after 12 months of use. Alkaline batteries can also be used as backups, and will last approximately 40 hours. Alkaline batteries **cannot** be recharged.

Do not coil the microphone cord. Since it also acts as your antenna, coiling or wrapping the cord will affect its range and may also reduce its life.

Speak at a normal level — the system is projecting your voice for you.

Periodically check the volume settings. These are often set and then forgotten, but if accidentally changed, it will affect how your system sounds.

basic system package components and accessories

1



2



1

300T transmitter

2

300R receiver

3



3

binaural earbuds (AT0538-S)

4



4

2-unit charger (AT0534)

5



5

directional microphone with lavalier cord (AT0291-L)

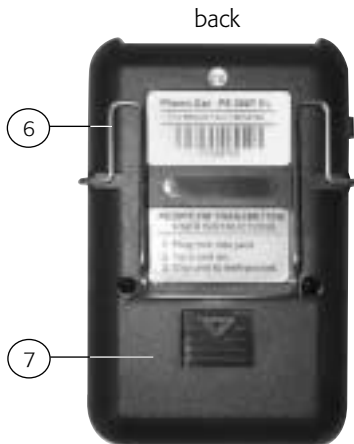
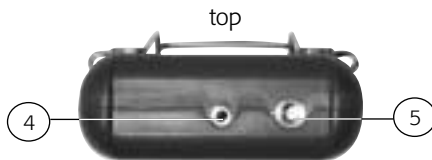
6



6

rechargeable NiMH batteries (AT0807)

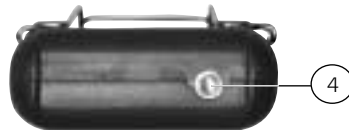
300T transmitter features



- ① on/off switch
- ② charging indicator
- ③ channel number
- ④ microphone jack
- ⑤ auxiliary/charge jack
- ⑥ belt clip
- ⑦ battery compartment

300R receiver features

top



front



back



① volume control/on/off switch

② charging indicator

③ channel number

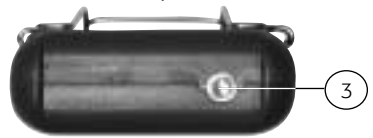
④ earphone/charge jack

⑤ belt clip

⑥ battery compartment

350FSR receiver features

top



front



back



① volume control/on/off switch

② charging indicator

③ earphone/charge jack

④ belt clip

⑤ channel selector switch

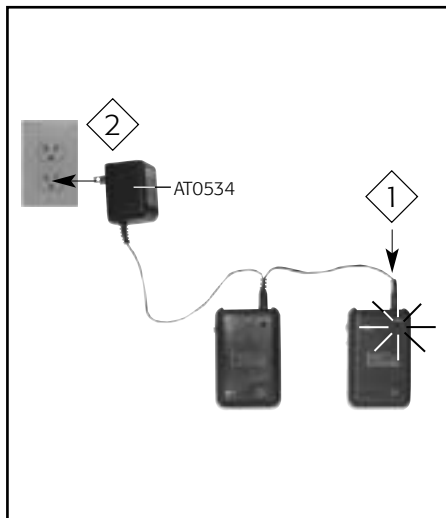
⑥ channel code label*
(inside battery compartment)

*See page 30 for a complete list of channel numbers

1a

charging and replacing batteries

charging batteries with 2-unit charger



1

Plug charger into **CHG** jack on unit(s)

2

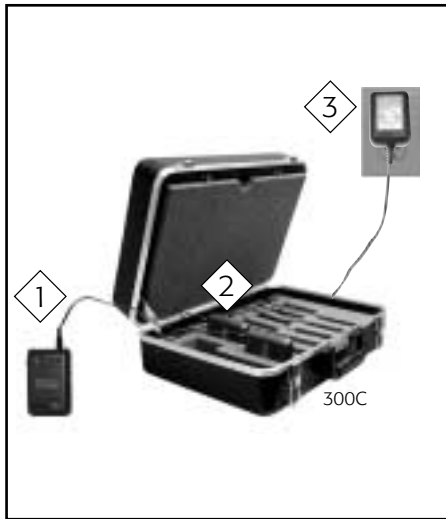
Plug charger into wall socket

NOTE: Charge every night for 12 hours.

WARNING: Never recharge alkaline batteries! Charge only rechargeable NiMH or NiCad batteries!

1b

charging batteries with 300C twelve-unit charger



1

Plug charger into **CHG** jack on unit(s)

2

Place unit(s) into holding slots in charger case

3

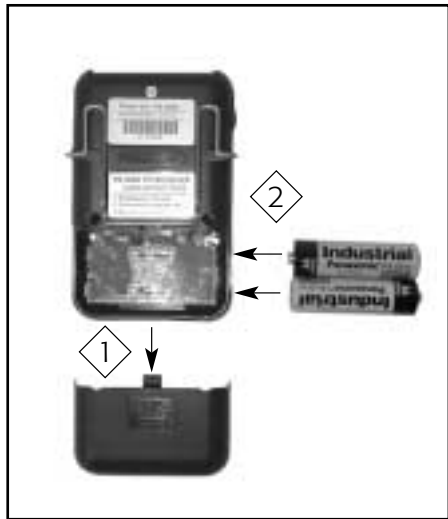
Plug charger into wall socket

NOTE: Charge every night for 12 hours.

WARNING: Never recharge alkaline batteries! Charge only rechargeable NiMH or NiCad batteries!

1c

replacing batteries



1

Push off battery compartment door

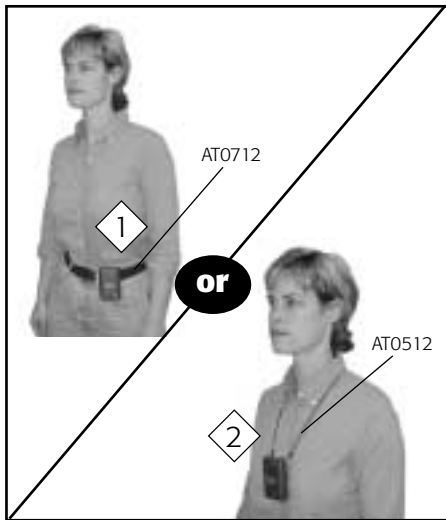
2

Insert batteries into compartment and replace door

2

300T setup and operation

wearing transmitter



1

Clip to belt or other clothing

or

2

Wear around neck using AT0512
lavalier cord

3

wearing microphone

(there are four microphone styles available for use with the Easy Listener personal system)

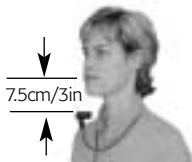
Maximum distance from mic to mouth is 6 in/(15cm); 3 in/(7.5cm) is ideal.



optimum
optional
AT0655 boom mic (two wearing options)



AT0814 earhook mic



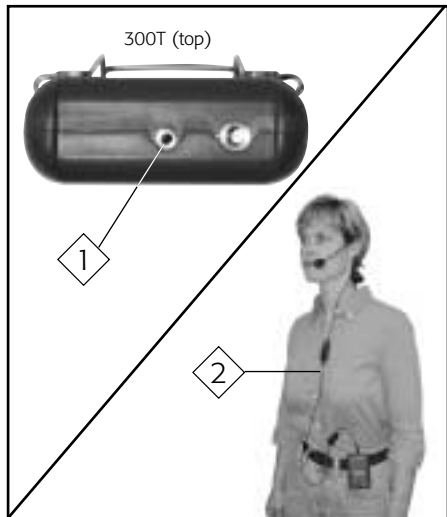
AT0816 collar mic



AT0291-L directional lapel mic
AT0164-L omni directional mic

4

plugging in microphone



1

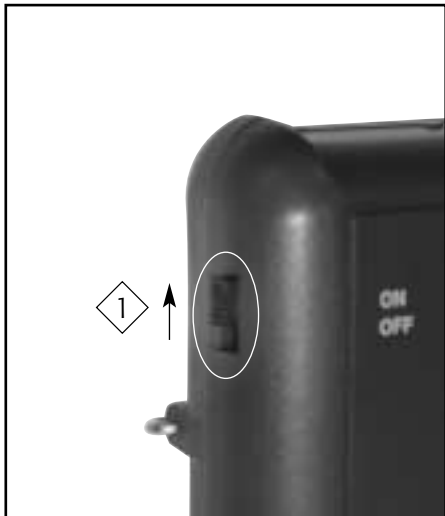
Plug microphone into **mic** jack on 300T unit

2

When wearing microphone, keep antenna/cord as straight as possible. Do not coil.

5

turning on 300T transmitter



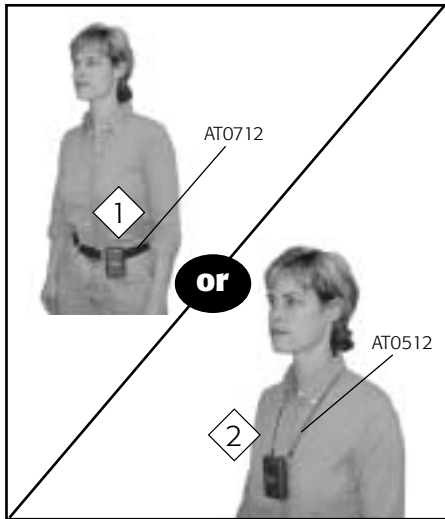
1

Push power switch up to turn transmitter power on

6

300R setup and operation

wearing receiver



1

Clip to belt or other clothing

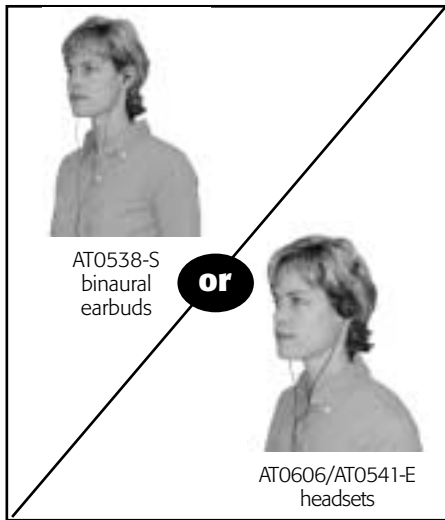
or

2

Wear around neck using AT0512
lavalier cord

7

wearing listening accessory

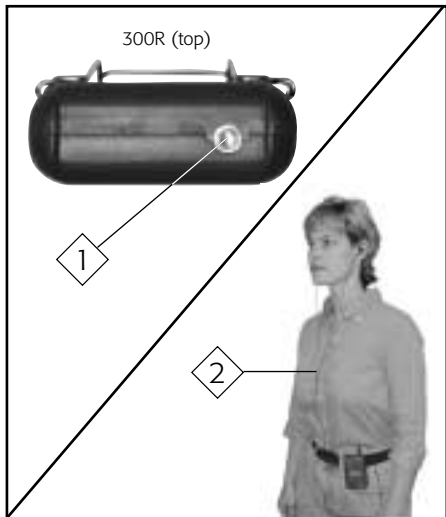


1

Put on selected listening accessory

8

plugging in listening accessory



1

Plug listening accessory into
🔌/CHG jack on 300R unit

2

When wearing listening accessory,
keep antenna/cord as straight as
possible. Do not coil.

9

turning on 300R receiver



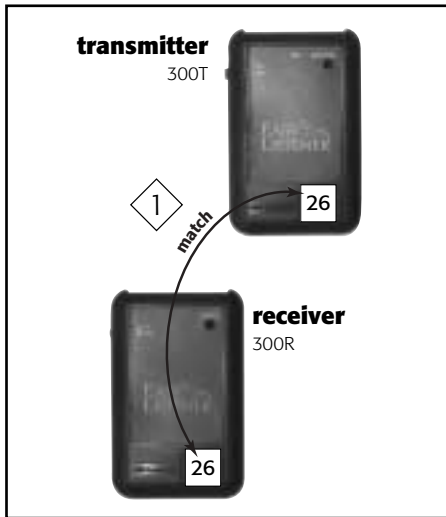
1

Turn receiver power/volume on

10a

channels

matching channels on 300T and 300R

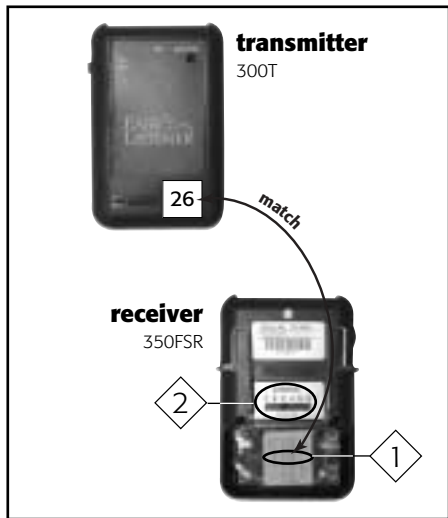


1

Make sure that channel numbers match on receiver and transmitter

10b

matching channels on 300T and 350FSR



1

Find number on frequency chart inside battery compartment of 350FSR which matches frequency number on transmitter

2

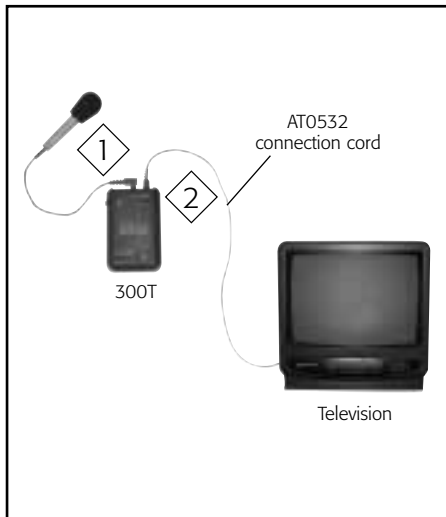
Set switch to number indicated on frequency chart inside battery compartment*

*See page 30 for a complete list of channel numbers

11a

auxiliary transmission

both mic and auxiliary sound source



1

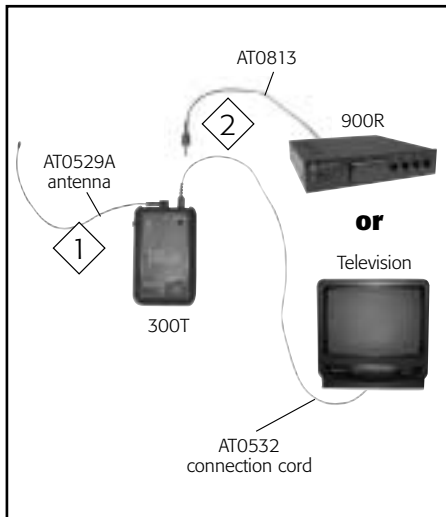
Plug microphone into **mic** jack on 300T unit

2

Connect 300T to auxiliary sound source using AT0532 connection cord

11b

auxiliary sound source only



1

Plug antenna into **mic** jack on 300T unit

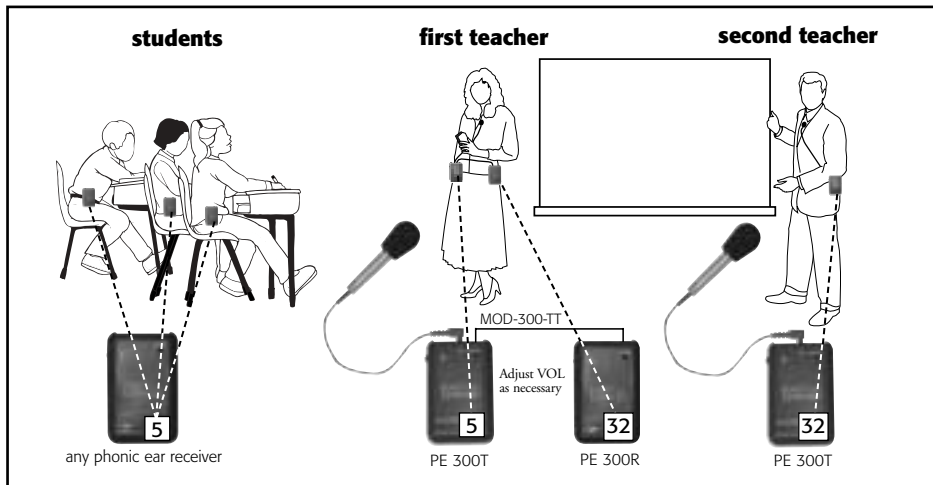
2

Connect 300T to auxiliary sound source using AT0532 connection cord or connect to 900R using AT0813 connection cord

12

team-teaching

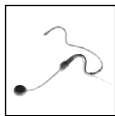
team-teaching* channel settings



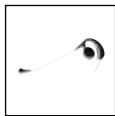
* Contact Phonic Ear for optimal frequency combinations. Because many Phonic Ear FM products are compatible with each other, the two teachers may wear different types of Phonic Ear transmitters.

optional accessories (not included with system)

microphone styles



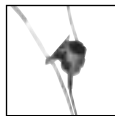
AT0655
behind-the-neck
boom microphone



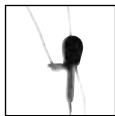
AT0814
earhook microphone



AT0816
FM collar
microphone with
mute switch



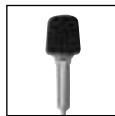
AT0164-L
omni-directional
microphone
with lavalier cord



AT0291-L
directional
microphone
with lavalier cord

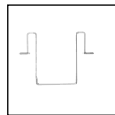


AT0720
conference
microphone



AT0514
pass microphone
(needs AT0559
adaptor)

transmitter accessories



AT0489
wire belt clip



AT0512-BU
lavalier cord



AT0534
two-unit charger



AT0712
waist belt



AT0789
team-teaching cord



AT0529A
antenna

optional accessories (not included with system) cont'd

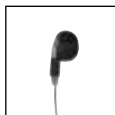
listening accessories



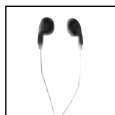
AT0606
attenuated headset



AT0541-E
non-attenuated
headset



AT0538-M
monaural earbud



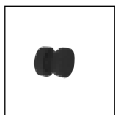
AT0538-S
binaural earbuds



AT0359
stetoclip



AT0163-B
teleloop



AT0538-P
earbud pad

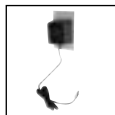


AT0607
headset pad

miscellaneous accessories



AT0721
Y-cord for conference
microphone



AT0461
300C charger wall
transformer



AT0807
NiMH rechargeable
battery



AT0532
auxiliary input cord
(5ft/1.5m or
15 ft/4.5m)



AT0542
carry case



AT0301
tote bag



AT0594
hip pack

troubleshooting

try these first

- If another working system is available, interchange accessories
- Reset the system by turning the power off, then on again

no sound from receiver

- Recharge or replace the transmitter's batteries
- Check or replace accessory
- Verify that the channel number of the transmitter and the receiver are the same
- Turn up volume
- Clean or check battery contacts

no FM reception

- Recharge or replace batteries
- Verify that the channel number of the transmitter and the receiver are the same

- Check or replace microphone
- Clean or check battery contacts
- Turn on transmitter power switch

weak/distorted sounds

- Check or replace accessory
- Turn up volume
- Check or replace microphone

intermittent sound/static

- Clean headset plug
- Clean microphone plug
- Check or replace microphone
- Clean or check battery contacts

won't charge

- Recharge or replace batteries
- Check or replace wall transformer
- Clean or check battery contacts
- Check that batteries are inserted properly

caring for your system

cleaning

Clean as needed, using a soft, damp cloth.

storage

Clean with a soft damp cloth and remove the batteries from the transmitter. Place the units in the 300C charger or original packaging.

other important notes

- Protect your units from excessive moisture, heat, and mechanical shocks.
- The AT0534 wall transformer can get warm under normal operation.
- To protect the transmitter's case front, position it face down on a soft surface when removing or inserting the batteries.
- Always dispose of old batteries in approved battery recycling bins. It may be illegal to dispose in the trash. If you are not sure of proper disposal method, please consult your local authority.

product specifications

transmitter: 300T

| | |
|------------------------|---|
| transmitting frequency | 72MHz to 76MHz (U.S./Canada) 37, 72, or 173 MHz (outside U.S./Canada) |
| modulation | FM narrow-band |
| operating range | 30m/100ft |
| user controls | Off/on |
| inputs / outputs | 3.5mm auxiliary input jack 2.5mm microphone input jack |
| battery life | 40Hr (AA alkaline) 10Hr (AA NiMH) |
| size | 2.5 x 9.4 x 5.6 cm/1 x 3.7 x 2.2 in |
| weight | 80g/2.8oz |
| case | ABS plastic |

receiver: 300R/350FSR

| | |
|---------------------|---|
| receiving frequency | 72MHz to 76MHz (U.S./Canada) 37, 72, or 173 MHz (outside U.S./Canada) |
| modulation | FM narrow-band |
| user controls | Off/on/volume |
| inputs / outputs | Accessory output jack |
| battery life | 60Hr (AA alkaline) 15Hr (AA NiMH) |
| size | 2.5 x 9.4 x 5.6 cm/1 x 3.7 x 2.2 in |
| weight | 80g/2.8oz |
| case | ABS plastic |

product specifications (cont'd)

charger: 300C

| | |
|----------------|--|
| capacity | 12 units (transmitters and/or receivers) |
| power supply | Wall transformer |
| user control | None |
| color | Black with aluminum trim |
| size | 39.4 x 29.2 x 15.2 cm/ 15.5 x 11.5 x 6 in |
| weight (empty) | 1859g/4.1lbs |

channels

| band | setting number | Phonic Ear channel | frequency |
|--------|----------------|--------------------|-----------|
| low | 7 | 1 | 72.025 |
| | 8 | 5 | 72.225 |
| | 9 | 11 | 72.525 |
| | 10 | 14 | 72.675 |
| | 11 | 17 | 72.825 |
| | 12 | 19 | 72.925 |
| medium | 7 | 33 | 74.625 |
| | 8 | 34 | 74.675 |
| | 9 | 35 | 74.725 |
| | 10 | 36 | 74.775 |
| | 11 | 37 | 75.225 |
| | 12 | 38 | 75.275 |
| high | 1 | 22 | 75.475 |
| | 2 | 24 | 75.575 |
| | 3 | 26 | 75.675 |
| | 4 | 28 | 75.775 |
| | 5 | 30 | 75.875 |
| | 6 | 32 | 75.975 |

warranty

time period of warranty

This warranty will go into effect upon the date of purchase and will stay in effect as long as the instrument remains the property of the original owner. EASYLISTENER 2™, VOCALIGHT™ and ONWAVE™ have a 3-year warranty. All other products have a 1 year warranty.

what is covered by this warranty

Any electronic component, which because of workmanship, manufacturing or design defects, fails to function properly under normal use during the life of this warranty will be replaced or repaired at no charge for parts or labor, when returned to the factory service center. Transportation in and out is paid by the customer. If it is determined that repair is not feasible, the entire unit may be replaced with an equivalent unit upon mutual agreement of the manufacturer and customer.

what is not covered by this warranty

This limited warranty does not apply to:

- 1.** Malfunctions resulting from abuse, neglect or accident
- 2.** Instruments connected, installed, used or adjusted in any manner contrary to instructions provided by the manufacturer
- 3.** Consequential damages and damages resulting from delay or loss of this instrument. The exclusive remedy under this warranty is strictly limited to repair or replacement as herein provided
- 4.** Products damaged in transit unless investigated by the shipper and returned to the warrantor with the investigation report
- 5.** Peripheral accessories as itemized within the product specification sheet as applicable, when such items are returned within 1 year from original purchase
- 6.** Batteries if applicable

warranty (cont'd)

Phonic Ear Inc. reserves the right to make changes in the design or construction of any of its instruments at any time without incurring any obligation to make any changes whatsoever on units previously purchased.

This warranty is in lieu of all other expressed warranties. All expressed and implied warranties will terminate upon the expiration of this written warranty. No representative or person is authorized to represent or assume for us any liability in connection with the sale or use of our products other than as set forth above.

what to do if you need service

If you require service under the warranty terms, obtain a service order form either online at **www.phonicear.com/support.asp** or through our U.S. customer service department at **800.227.0735, then press 7** (or +1.707.769.1110 outside the U.S.). Fill the form out completely remembering to include:

- 1.** Description of the problem
- 2.** Your billing address
- 3.** Your shipping address (if different from billing address)
- 4.** Contact name and phone number
- 5.** A P.O. number if the equipment is not under a warranty or service contract

warranty (cont'd)

Then, carefully package the equipment in the original shipping container to prevent damage and send it postpaid to the service center near you:

USA/International:

Phonic Ear Inc.

3880 Cypress Drive
Petaluma, CA 94954-7600
U.S.A.

In Canada:

Phonic Ear Ltd.

10-7475 Kimbel Street
Mississauga, Ontario
L5S 1E7 Canada

what to do if you have questions

If you have any questions about service, call the service department at **800.227.0735, then press 7.**

about your batteries

To ensure that your batteries are as fresh as possible upon arrival, we have intentionally not installed them in your equipment.

battery replacement

It is recommended to re-order new rechargeable AAA NiMH batteries from Phonic Ear annually.

regulatory compliance

The Easy Listener Personal FM system is an FM assistive listening system. It will not restore normal hearing, and will not prevent or improve a hearing impairment resulting from organic conditions. Infrequent use of a hearing instrument usually does not permit the user to attain the full benefits of the system. Remember that this instrument is only part of the hearing habilitation, and may need to be supplemented by auditory training and instruction in lip reading.

Phonic Ear FM receivers and FM transmitters, when required, are approved by the Federal Communications Commission in the U.S. and Industry Canada. Other government approvals available upon request. (Other international regulations may also apply.)

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.

Any changes or modifications made to any government-approved element of this FM wireless system, without the expressed approval of Phonic Ear Inc. in writing, could void the user's authority to operate those elements of the system.

If any changes or modifications are made it will be the responsibility of the party performing the changes or modifications to ensure continued compliance with the FCC regulations and they are required to: (1) File for a new equipment authorization, or (2) Relabel the product(s) with "This product has been modified by [insert the name, address and telephone number of the party performing the modification]."

warning to hearing aid dispensers

A hearing aid dispenser should advise a prospective hearing instrument user to consult with a licensed physician (preferably an ear specialist) before dispensing a hearing instrument if the hearing aid dispenser determined through inquiry, actual observation, or review of any other available information

regulatory compliance (cont'd)

concerning the prospective user, that the prospective user has any of the following conditions:

- 1** Visible congenital or traumatic deformity of the ear.
- 2** History of active drainage from the ear within the previous 90 days.
- 3** History of sudden or rapidly progressive hearing loss within the previous 90 days.
- 4** Acute or chronic dizziness.
- 5** Unilateral hearing loss of a sudden or recent onset within the previous 90 days.
- 6** Audiometric air bone gap equal to or greater than 15 decibels at 500 hertz (Hz), 1,000 Hz, and 2,000 Hz.
- 7** Visible evidence of significant cerumen (ear wax) accumulation or a foreign body in the ear canal.
- 8** Pain or discomfort in the ear.

important notice for prospective hearing instrument users

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing instrument. Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists, or otorhinolaryngologists. The purpose of a medical evaluation is to assure that all medically treated conditions that may affect hearing are identified and treated before a unit is purchased.

Following the medical evaluation, the physician should give you a written statement which states your hearing loss has been medically evaluated, and that you may be considered a candidate for a hearing instrument. The physician should refer you to an audiologist or hearing aid dispenser, as appropriate, for a hearing instrument evaluation.

The audiologist or hearing aid dispenser will conduct a hearing instrument evaluation to assess your ability to hear with and without a hearing instrument. The evaluation will enable the audiologist or dispenser to select and fit a unit best suited to your individual needs.

regulatory compliance (cont'd)

If you should have reservations about your ability to adapt to amplification, you should inquire about the availability of a trial rental or purchase-option program. Many dispensers now offer programs that permit you to wear the hearing instrument for a period of time for a nominal fee after which you may decide if you want to purchase that unit.

Federal law restricts the sale of hearing instruments to those individuals who have not obtained a medical evaluation from a licensed physician. Federal law permits a fully informed adult to sign a waiver statement declining the medical evaluation for religious or personal beliefs that preclude consultation with a physician. The exercise of such a waiver is not in your best interest and its use is strongly discouraged.

audiological evaluation of hearing loss in children

In addition to seeing a physician for a medical evaluation, a child with hearing loss should be directed to an audiologist because hearing loss may hinder language development and educational and social growth. An audiologist is uniquely qualified by training and experience to assist in evaluation and therapy for a child with a hearing loss.

possible side effects

The housing of Easy Listener units is made of KJB plastic. There are few known side effects caused by this material; however, should a rash develop in an area of direct contact with the skin, or if you experience an accelerated accumulation of cerumen (ear wax), consult your physician.

output caution

Exercise special care in selecting and fitting a hearing aid or auditory trainer with a maximum sound pressure level exceeding 132dB because there may be risk of impairing the remaining hearing of the hearing aid user. The Easy Listener Personal FM system is capable of producing maximum sound pressure levels in excess of 132dB. Consult the technical specification sheets for appropriate output settings.



Waste from electronic equipment must be handled according to local regulations.

u.s.a. **800.227.0735**, then press **5** • canada **800.263.8700** • international **+45 3917 7101**

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821-6547-101/Rev. H/4706 0205