

Oticon ♦ Amigo

child
friendly
hearing
care



INSTRUCTIONS FOR USE

Amigo WRP

oticon
PEOPLE FIRST

Important notice

Please familiarize yourself with the entire contents of this booklet before using your Amigo Wireless Receiver Programmer (WRP). The booklet contains various statements, safety instructions and important information about the use and handling of the Amigo WRP.

Content

Introduction	5
Typical package contents	6
Overview of the WRP	7
Preparing your Amigo system	8
Inserting the battery	8
Charging the battery	9
Selecting language and country	11
The Amigo receivers	12
Changing the pin orientation	13
Attaching the universal Amigo receivers to a hearing instrument	14
Using Amigo with the Sumo R7 receiver	15
Synchronizing Amigo receivers	16
Accessing the Programming Menus	18
Overview of the menus of the R1/R2	19
Programming Amigo R1/R2 Receivers	20
Using the FM Channel Wizard (T20/21/WRP)	24

WRP Special functions	26
LED/Display legend	27
Cleaning the WRP	28
Appendix A: Troubleshooting	29
Appendix B: Manufacturers' warranty	30

Introduction

Congratulations on your decision to take the next step in improving classroom FM.

The Amigo product family is extremely versatile, making life easier for users in school settings. The Amigo transmitters and receivers can be used with virtually all Behind-the-Ear hearing instruments, as well as many cochlear implants.

Typical package contents



WRP



Charger



Instructions
for Use

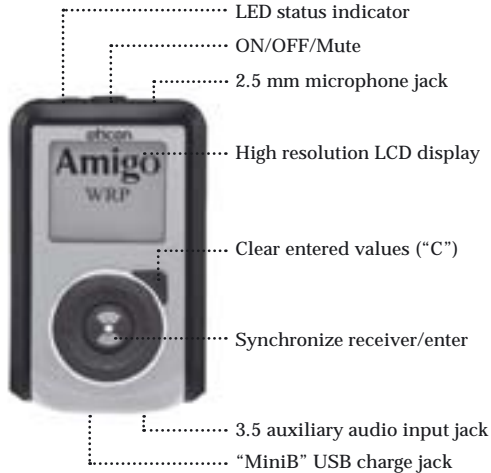


Monitoring
Earphones



Rechargeable NiMH
AA battery

Overview of the WRP



Navigation buttons on the WRP

SYNC acts as the "ENTER" button
"C" acts as the "CLEAR/EXIT" button.
◀ acts as the "Save and Exit" button.

Preparing your Amigo system

Inserting battery

Remove the battery lid on the back of the WRP and insert the rechargeable battery - remember to position the battery according to the markings (+/ -) on the label.



Then replace the battery lid. The WRP can then be used to charge the battery that came in the package.

Note: The positive and negative ends of the battery may appear similar, so doublecheck that the battery is positioned correctly.

Charging the battery

To charge the battery, plug in the charger as shown in the picture.

The Amigo WRP uses one AA rechargeable NiMH battery, which must be charged for at least 14 hours before being used for the first time.

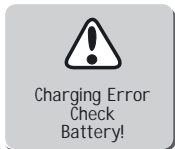
The WRP offers failsafe charging, which prevents alkaline batteries being charged accidentally.



Amigo
WRP



Battery charging



The display on the WRP will indicate when the unit is charging. Also, the LED will turn on and shine green.

Note: With a typical user pattern it is recommended to replace rechargeable batteries once every year, because the battery capacity decreases each time it is charged.

If you do not have time to charge the battery that came with the WRP, you can replace the battery with any of the following:

- Special “silver-banded” rechargeable batteries
(Only available through your Hearing Care Professional, **these are the only batteries that can be recharged inside the transmitter.**)
- Standard, rechargeable NiMH batteries
These cannot be recharged inside the transmitter, but must be charged in a separate charger (these batteries and charger are available at electronics stores).
- Standard, non-rechargeable alkaline batteries
Can be used in an emergency, i.e. if you don't have time to charge your rechargeable batteries. Alkaline batteries cannot be recharged.

Note: Always dispose of old batteries in approved battery disposal bins.
For more information please consult your Hearing Care Professional.

Select language and country (first time only)

Turn the WRP on by pressing and holding the On/Off button for two seconds. Press ▲ or ▼ to select language, and confirm by pressing the SYNC button.

To select your country, use the ▲ or ▼ buttons, and confirm by pressing the SYNC button.

Select Language

English
Francais
Deutsch

-
-
-

Select Country

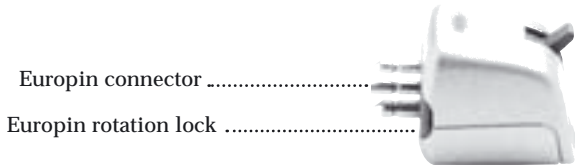
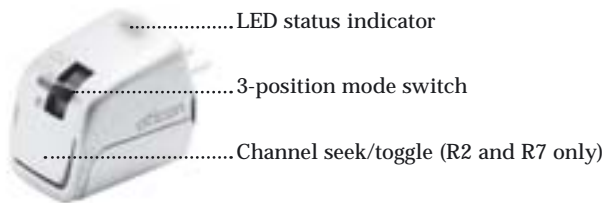
United States
Canada
Germany

-
-
-

Note: Selecting a country will also select a predefined channel list, which contains all of the channels approved for use in that country.

Warning: Only use channels legal in your country.

The Amigo Receivers



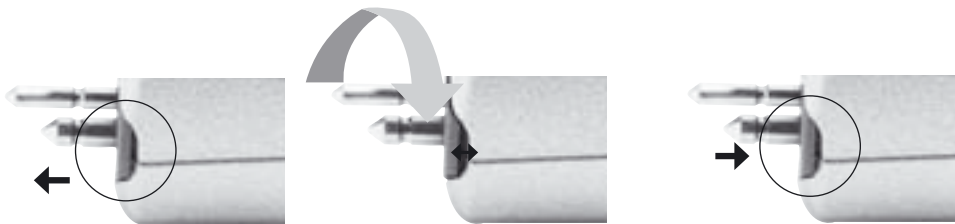
Note: Since Amigo receivers draw their power from the hearing instrument battery, they do not contain a power cell. Never attempt to open the receiver casing.

Changing the pin orientation

If the pins on the Amigo receiver do not match the holes on the audio shoe, they can be rotated in steps of 90°.

Simply pull the tab on both sides of the receiver back simultaneously, twist the pins and push the tab back in.

Amigo receivers can be positioned with the LED facing to the front or the back.



Note: To ensure optimal antenna performance, the Amigo receivers must be positioned with the LED facing either to the front or to the back.

Attaching the universal Amigo receivers to a hearing instrument

Amigo R1 and R2 receivers are attached to the hearing instrument via an audio shoe.

First plug the receiver into the audio shoe. Then attach the audio shoe to the hearing instrument.



Using Amigo with Sumo instruments

- Sumo detects the Amigo receiver and disables the telecoil if the receiver is on
- Set the switch on the R1/R2 receiver to FM+HA. You then must set the hearing aid switch as noted here to operate the receiver function. Use the receiver switch to turn the receiver off.
2/T = FM only
1/MT = FM+Hearing instrument
M = Hearing instrument only



SUMO DM with the dedicated, Amigo R7 receiver.

The use of the telecoil with the receiver attached requires that the receiver is set to the off position.

Note: To obtain information about connecting your Amigo to Cochlear Implants, please consult your Hearing Care Professional.

Synchronizing Amigo receivers

Connect the receiver to a hearing instrument, and turn it on. Check that the receiver switch is set to the correct mode, i.e. FM only or FM+HA mode.



Off



FM-only



FM+HA

Within a distance of approximately 10-20 inches, press the SYNC button. The LED on the transmitter will then blink three times, and the SYNC logo will appear on the screen.

If the synchronization is successful, the receiver will also blink three times.

Note: The switch on the receivers can be disabled, so use the WRP or the T20/T21 to check the status of the switch. In its default setting, the receiver switch is enabled.

When the receiver's LED is on, it confirms that:

- The hearing instrument battery is ok
- The receiver is on
- The transmitter and receiver are working together properly
- The child's receiver is on the right channel



Accessing the Programming Menus



- To access the Amigo Fitting Menu, press and hold both the C (on the keypad) and ON/OFF buttons for 2 seconds.
- In the Menu screen, use the ▲ or ▼ keypad buttons to choose View/Program WRP, View/Program Receiver, or FM Channel Wizard. Within each of the 2 primary menus, press ◀ to return to the Main Menu screen.
- To exit from the Programming menus, press and hold both the C (on keypad) and ON/OFF buttons.

Warnings

Amigo parts can be dangerous if swallowed:

- The Amigo system is not a toy and therefore should be kept out of the reach of children and anyone else who might swallow parts or otherwise cause injury to themselves. Special attention should be paid to the smaller components in order to prevent children from swallowing them and choking.
- Never change the battery and never connect the receiver to the hearing instrument in front of infants, small children or persons with learning difficulties.

If a part is swallowed, see a doctor immediately.

Risk of harm caused by unintentional noise that may muffle important signals

System dysfunctions:

The Amigo system will cease to function if the batteries have run out. The system may also produce a high whistling noise (feedback) if the battery is low, or if it is subjected to loud sound while the microphone is off but the receiver is still on. Users should be aware that these sounds should not be confused with warning sounds – e.g. car horns in traffic.

Use in aircrafts:

- Amigo should not be used on aircrafts without the permission of the flight crew.

Interference

Please note that Amigo can cause interference with other medical devices. Such interference can also be caused by radio signals, power line disturbances, airport metal detectors, electromagnetic fields from other medical devices and electrostatic discharges.

For FCC Part 15:

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

For FCC Part 95.1017:

“This device may not interfere with TV reception or Federal Government radar.

For RSS 210:

“If TV channel 13 is used in the area, the installer shall reduce or adjust the RF radiated power so that near-by TV channel 13 receivers do not receive radio interference from the system installed.

Battery use:

- Always use NiMH rechargeable batteries or alkaline batteries.
- Always use batteries recommended by your Hearing Care Professional.
- Never attempt to recharge non-rechargeable batteries.
- Never dispose of batteries by burning them. There is a risk they will explode and cause serious injury.

Safety requirements regarding Direct Audio Input (DAI)

- The safety of the use of Amigo with DAI (Direct Audio Input) is determined by the external signal source. When the DAI is connected to AC-operated equipment, this equipment must comply with IEC-60065, IEC-60601 or equivalent safety standards.

Overview of the menus of the R1 and R2 receivers



Programming Amigo R1/R2 Receivers

Place one R1/R2 receiver within within 10-15 inches of the transmitter. The receiver must be turned on and connected to a live hearing instrument or CI adaptor.



Open the View/Program Receiver menu by using the ► keypad button. The transmitter will 'find' the receiver and display its name or serial number. Press ► to continue.

NOTE: Maintain the receiver in the same position during the entire programming sequence. Each time you change a default setting, the programmer will send that setting to the receiver. Your confirmation of the change is displayed as the new setting on the WRP screen.

Programming Amigo R1/R2 Receivers

- A. A. To assign receiver Name (i.e., child's name), use the keypad buttons ▲ ▼◀ ▶ to navigate. Delete the current name by pressing ◀, while standing on the top line. Space can be inserted between names by pressing ▶. Within this screen, use the keypad buttons to select the desired character, then press the SYNC button to save each character. To SHIFT, highlight SHIFT and press the SYNC button. When finished, highlight SAVE and press the SYNC button.
To exit and cancel, press the C (CLEAR) button.
- B. Assign Ear. Select Right or Left using ▲ ▼ buttons. Press the ◀ button to save and exit.
- C. Choose FM Gain. Default setting is 0. Use ▲ ▼ to navigate and change gain value. When finished, press the ◀ button to save and exit.
- D. Choose FM+HA Gain; default is +10. Use ▲ ▼ to navigate and change gain value. When finished, press the ◀ button to save and exit.
- E. 3 position switch: You can lock the user switch to a single function, or set to unlock. Use ▲ ▼ to navigate and press SYNC to select. When finished, press ◀ to save and exit. While the switch will still move, the function will be locked as programmed.

- F. LED light: Default is steady ON. Choose blink or disable (off). Use ▲ ▼ to navigate and change selection, then press SYNC. When finished, press ◀ to save and exit.
- G. Beep tone: Use ▲ ▼ to choose the frequency/tone of the beep and press SYNC to save selection. When finished, press ◀ to save and exit.
- H. Beep vol: Change the loudness level of the beep tone or disable the beep (off). Use ▲ ▼ to navigate and press SYNC to save selection. When finished, press ◀ to save and exit.
- I. Default Channel (R1 only): Choose the default channel for the receiver when it is turned on. The default is "last channel used". Use ▲ ▼ to navigate and press SYNC to make selection. When finished, press ◀ to save, and exit.
- J. Channel button (R2 only): Choose enable or disable, press SYNC to save then press the ◀ button to save and exit.
- K. Channel set: The Default is Select All. To select discrete channels, choose CLEAR ALL (use SYNC button) then scroll ▲ ▼ to the desired channel and press SYNC for each channel. When finished, press ◀ to save and exit.

- L. Channel seek (R2 only): Enable or disable the manual channel change toggle button on the receiver.
- M. De-emphasis: Disable this function when using Amigo receivers with other manufacturers' FM transmitters. See Fitting Guide for more information
- N. About Amigo R1/R2: Press ► to view serial number. To exit, press SYNC or ◀.

Using the FM Channel Wizard (T20/T21/WRP)

The Channel Wizard will help you find interference-free primary and team teaching channels. Prior to starting the Channel Wizard:

- Obtain the monitor earphones
- Turn on all FM sources in the building/room

A. Scan and Select Channel Set: Press ► to begin the scanning process. The Channel Wizard will scan through all Amigo channels. Upon completion, a list of available channels will be created.

Unusable channels will be greyed out. You can accept the entire list by highlighting Select All, or choose Clear All. Then scroll to select a limited number of channels from the list of usable channels by pressing SYNC. Press ◀ to save and exit.



Note: Carry out the scan at a time in accordance with typical school usage schedule.

B. Scan and Select primary and TT channel: Press ► to begin the scanning process. Upon completion, scroll through the available channels in the Primary list and select one Primary channel by pressing SYNC, then press ◀ to save and exit. Now, choose TT from the menu and select one TT channel from the bolded (available) channels. Press SYNC then press ◀ to save and exit.

C. Monitor Single Channel: This function allows you to monitor the quality of a single channel.

Press ► to access the menu and insert the Monitor earphones into the audio jack on the bottom of the transmitter.

You can increase the volume by pressing ► to highlight the headphones icon. Highlight the channel then press ▲ ▼ to scroll and select the desired channel to monitor.

Listen for interference; if detected, you may wish to change the primary channel used in that classroom.

Note: Make sure you have removed the microphone cord on the monitoring transmitter.



WRP special functions

Feature	How to
Change channel	Press and hold ▲ or ▼. The channel will then blink. You can change it by pressing ▲ or ▼. Press the SYNC button to save.
Synchronize Amigo receivers	Within a distance of approx. 10-24 inches, Amigo receivers can be synchronized by pressing the SYNC button.
Lock the keypad	To lock the keypad, press BOTH ◀▶ for three seconds. To unlock the keypad, keypad, press BOTH ◀▶ again for three seconds.
Monitor a single channel	You can use earphones to hear what the child is hearing. Be sure there is no microphone plugged into the unit and then insert the earphone's jack into the aux input.

LED / Display legend

The LED on the WRP indicates the following:



LED:	Display	Meaning:
Steady red		On
Flashing red burst		Synchronizing
Steady green		Charging
Blinking green		Low battery
Off		Off or error

Cleaning of the WRP

The WRP is moisture repellent, making it very easy to clean with a damp cloth. Oticon recommends cleaning on a regular basis.

Appendix A: Troubleshooting

Problem	Solution
The battery will not charge	Check that it is positioned correctly. Make sure that it is the “silver-sleeved” rechargeable type of battery, as this is the only type the WRP will charge (for safety reasons).
The receivers cannot be synchronized	Synchronization takes place wirelessly, so if the receiver fails to confirm (with three blinks of the LED), try to move the WRP closer, further away or a little bit to one side. Then press the SYNC button again.
Interference	If interference is encountered on a channel, change to another channel. Press ▲ or ▼ to change channel.

For assistance with troubleshooting or answers to other questions please consult your Hearing Care Professional.

Appendix B: Manufacturers' warranty

The manufacturer, Oticon, issues a two-year limited warranty to the original consumer of this product.

This warranty comes into effect upon the date of original purchase of this equipment, and will remain in effect for two calendar years from that date.

Please notice that extended warranties may apply in your country. Please contact your local Hearing Care Professional for more information.

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 labour when returned to the point of purchase. Transportation 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 Hearing Care Professional and customer.

What is not covered by this warranty?

This one-year limited warranty does not cover:

- Malfunctions resulting from abuse, neglect or accident.
- Peripheral accessories as itemized within the product brochure, when such items are later than 90 days from the original purchase.

- Batteries.
- Instruments connected, installed, used or adjusted in a manner contrary to the instructions provided.
- 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.
- Products damaged in transit unless investigated by the shipper and returned to the warrantor with the investigation report.

The manufacturer 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 by the manufacturer. No representative or person is authorized to represent or assume for the manufacturer any liability in connection with the sale or use of this product other than as set forth above.

If your Amigo system requires service under the terms of this warranty, carefully package the instrument to prevent damage in transit and return it to the point of purchase. Include a detailed description of the problem, your full name, billing and shipping address and telephone number.

The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your point of purchase may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult your point of purchase for further information.

Hereby Oticon declares that this Amigo is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. Declaration of conformity is available at

Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark.

Date of purchase: _____

Amigo serial numbers: _____

Microphone: _____

Receiver left: _____

Receiver right: _____

www.oticonusa.com

Oticon, Inc.
29 Schoolhouse Rd.
Somerset, NJ 08873



ID: BRG-T21
IC: 1351B-T21

