



IMPORTANT NOTICE

This leaflet guides you on how to use and maintain your FM receiver. Please read the leaflet carefully including the Warning section. This will help you to achieve the full benefit of your new FM receiver.

Intended use

The FM receiver is intended as a wireless receiver and transmitter of sound between hearing aids and the surrounding environment, including speech and wireless electronic audio devices.

The FM receiver is intended to be used by children older than 36 months and adults together with their hearing solution.

Introduction

Amigo R12 is an FM receiver and is a part of Oticon's Amigo FM product family, which supports access to the teacher's voice in school and the parent's voice when used at home.

If you have additional questions about the use of your FM receiver, please contact your hearing care professional.

Features



Preparing your FM system

Setting the system up requires an FM transmitter, your FM receiver and an FM/DAI compatible hearing aid. Connect your FM receiver to the hearing aid (see picture 1 and 2) and switch on the FM transmitter to activate the FM system. Your FM receiver has no battery. It draws a small amount of power from the hearing aid battery.

IMPORTANT NOTICE

Please refer to your transmitter's instructions for use for details on the functionality of your specific FM system.

Attaching your FM receiver to the hearing aid

1. Open the battery drawer on the hearing aid and insert a new battery. Slide your FM receiver on until you feel a small "click" (use of force is unnecessary).
2. Close the battery drawer carefully.
3. The battery drawer can be made tamper resistant by turning the screw 45 degrees (optional). See picture 3.



IMPORTANT NOTICE

Never change the hearing aid battery and never connect the FM receiver to the hearing aid in front of infants, small children or people with cognitive impairments.

2



3



Hearing aid operation

When your FM receiver is connected, the hearing aid will automatically detect the FM receiver and add two extra programs. The default hearing aid program is the FM + the hearing aid microphone program (FM+M). If you need to change the setting to listen to FM only, you can switch to the next program on the hearing aid push button.

With the FM receiver attached, the push button of your hearing aid can at any time be used to switch back and forth between standard programs and the two FM programs.

IMPORTANT NOTICE

Please refer to your hearing aid's instructions for use for details on the functionality of your hearing aid.

LED

Your FM receiver has a Light Emitting Diode (LED). When this light is on and blinking, it confirms that:

- The hearing aid battery is working
- The FM receiver is ON
- The FM receiver is receiving an FM signal

Programming the LED

Use an Amigo T30/T31 FM transmitter to program the LED in one of two ways:

ON: Blink. The LED will blink when an FM signal is present.
OFF: The LED will remain off, even though an FM signal is present.

Channel Seek button and off function

Your FM receiver has a Channel Seek button that can change channel and turn the receiver off.

- A short press will launch a search through the pre-defined channel list search
- A longer press (more than two seconds) will turn the FM receiver off. A short melody will be played to notify you that the FM receiver has gone into off mode

Your FM receiver only scans the channels that are in the channel list. If no channel is receiving an FM signal, the receiver will revert to the original channel.

If more than one channel with a strong FM signal is present, it will lock on to the first one in its channel list. For a different channel, simply press the button again.

Channel management

Your FM receiver contains a predefined list of channels, all of which are functional. You can customize the channel list using Amigo T30/T31. These units can also be used to wirelessly synchronize channels with your FM receiver.

The FM receiver can be programmed to wake up in the channel last used or any pre-specified channel. If you are not using Amigo T30/T31 you can still change channels using the pushbutton on your FM receiver.

Sleep mode

Your FM receiver has sleep mode functionality. Whenever the FM signal disappears for more than 7 seconds, the FM receiver will automatically "fall asleep" to conserve battery power. A built-in signal sensor will detect any FM signal. When this signal reappears, your FM receiver will reactivate and the LED will be lit. Should the signal be absent for more than 90 minutes, the FM receiver will automatically drop into off mode. It will then have to be turned on manually.

In sleep mode, the hearing aid will disable the two FM programs, but if your FM receiver detects an FM signal, the two programs will be added automatically again.

Amigo T30/T31

If an Amigo T30/T31 FM transmitter is used with your FM receiver, the following programmable features will be available:

- Multi-channel (can be wirelessly programmed with an Amigo T30/T31)
- LED indicator
- Manual channel pushbutton
- Assigning a name to the receiver
- Assigning an ear to the receiver
- FM-only gain
- FM+M gain
- Confirmation beep

Troubleshooting guide

Problem

No sound / no FM reception.

Solution

- Check that the hearing aid battery is inserted correctly
- Check that the FM receiver is on and correctly connected
- Check that the transmitter is on
- Press the Channel Seek button again

Problem

The FM receiver cannot be synchronized.

Solution

Synchronization takes place wirelessly, so if the FM receiver fails to confirm (with three blinks of the LED), try to move the transmitter closer, farther away or slightly to one side. Then press the SYNC button on the transmitter again.

For further assistance, please contact your hearing care professional.

Cleaning

Use a soft, dry cloth to clean your FM receiver.

IMPORTANT NOTICE

Your FM receiver must never be washed or immersed in water or other liquids.

Do not wear your FM receiver while showering or participating in water activities.

Conditions of use

| | |
|----------------------------------|---|
| Operating conditions | Temperature: +1°C to +40°C/+34°F to +104°F Relative humidity: 5 to 93%, non-condensing |
| Storage and transport conditions | Temperature and humidity shall not exceed the below limits for extended periods during transport and storage: Temperature: -25°C to +60°C/-13°F to +140°F Relative humidity: 5 to 93%, non-condensing |

Warnings

You should familiarize yourself fully with the following general warnings and the entire contents of this leaflet before using your FM receiver to ensure personal safety and correct use. Consult your hearing care professional if you experience unexpected operations or events with your FM receiver.

Choking hazards and risk of swallowing batteries or other small parts

The FM receiver should be kept out of reach of children and anyone who might swallow it or otherwise cause injury to themselves.

If an FM receiver is swallowed, see a doctor immediately.

Use with hearing aids

Use the FM receiver only with your designated hearing aid. Consult your hearing care professional for further instructions.

Interference

The FM receiver has been thoroughly tested for interference according to the most stringent international standards. However, interference between the FM receiver and other devices (e.g. some mobile telephones, citizens band devices, shop alarm systems and other wireless devices) may occur. If this occurs, increase the distance between the FM receiver and the interfering device.

Heat and chemicals

The FM receiver must never be exposed to extreme heat e.g. left inside a parked car in the sun.

The FM receiver must not be dried in microwave ovens or other ovens.

The chemicals in cosmetics, hairspray, perfume, aftershave lotion, suntan lotion and insect repellent can damage the FM receiver. Always remove your FM receiver before applying such products and allow time to dry before use.

X-ray/CT/MR/PET scanning, electrotherapy and surgery

Remove your FM receiver before X-ray/CT/MR/PET scanings, electrotherapy, surgery, etc. as your FM receiver may be damaged when exposed to strong electromagnetic fields.

Active implant

Caution must be taken with active implants.

In general, please follow the guidelines recommended by the manufacturers of implantable defibrillators and pacemakers on use with mobile phones and magnets as hearing aids and accessories also contains radio transmitters like mobile phones.

If you have an active brain implant, please contact the manufacturer of your implantable device for information about the risk of disturbance .

Possible side effects

The otherwise non-allergenic materials used in your FM receiver may in rare cases cause a skin irritation or other side effects.

Please, seek consultation with a physician if these conditions occur.

Use In traffic

Using the FM receiver can distract you. Be aware of your surroundings while using the FM receiver.

Please refer to national traffic laws regarding the use of communication devices while in traffic.

International warranty

Your FM receiver is covered by an international limited warranty issued by the manufacturer for a period of 12 months from the date of delivery. This limited warranty covers manufacturing and material defects in the device itself. Problems arising from improper/incorrect handling or care, excessive use, accidents, repairs made by an unauthorised party, exposure to corrosive conditions, damage due to foreign objects entering the device, or incorrect adjustments, are NOT covered by the limited warranty and may void it. The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your hearing care professional may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult him/her for further information.

If you need service

Take your FM receiver to your hearing care professional, who may be able to sort out minor problems and adjustments immediately.

Technical Information

The FM receiver contains a radio transceiver using short range magnetic induction technology working at 3.714 MHz.

The magnetic field strength of the transmitter is very weak and always below 15 nW (typically below-15 dBuA/m at 10 meter distance).

The FM receiver complies with international standards concerning radio transmitters, electromagnetic compatibility and human exposure.

Due to the limited space available on the FM receiver, relevant approval markings can be found in this leaflet.

Additional information can be found in the "Technical Data sheet" on www.oticon.com.

The manufacturer declares that this FM receiver is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Declaration of Conformity is available at the manufacturer.

 Manufactured by:
Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark
www.oticon.global
2018



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



Description of symbols used in this leaflet



Warnings

Text marked with a warning symbol must be read before using the device.



Manufacturer

The device is produced by the manufacturer whose name and address are stated next to the symbol. Indicates the medical device manufacturer, as defined in EU Directives 90/385/EEC, 93/42/EEC and 98/79/EC.



CE mark

The device complies with Medical Device Directive 93/42/EEC.



Electronic waste (WEEE)

Recycle hearing aids, accessories or batteries according to local regulations. Hearing aid users can also return electronic waste to their hearing care professional for disposal. Electronic equipment covered by Directive 2012/19/EU on waste and electrical equipment (WEEE).



Regulatory Compliance Mark (RCM)

The device complies with electrical safety, EMC and radio spectrum requirements for devices supplied to the Australian or New Zealand market.

Description of symbols used on the regulatory packaging label



Keep dry

Indicates a medical device that needs to be protected from moisture.



Caution symbol

Consult instructions for use for warnings and cautions.



Catalogue number

Indicates the manufacturer's catalogue number so that the medical device can be identified.



Serial number

Indicates the manufacturer's serial number so that a specific medical device can be identified.