

Oticon Amigo R12G2 is a dedicated, multi-channel FM receiver that attaches directly to Oticon hearing aids. The small dimensions and available colors of the FM receiver are designed to integrate with the hearing aid. The dedicated FM receiver is a part of Oticon's Amigo FM product family. This improves the signal-to-noise ratio, giving the user access to the teacher's voice in school or the parent's voice when at home.

Sleep mode

The dedicated FM receiver offers sleep mode functionality. Should the FM signal be absent for more than 7 seconds, the dedicated FM receiver will switch into sleep mode to conserve energy and the LED will turn off. It will wake up every 5 seconds to search for an FM signal. If the signal is absent for more than 90 minutes, the FM receiver will automatically change into off mode. Once this happens, it will then have to be turned on manually.

LED status indicator

The FM receiver's Light Emitting Diode (LED) provides instant confirmation that the FM system is correctly configured. The LED confirms that the hearing aid battery is working, and that the receiver is on and receiving an FM signal.

Channel seek function

Channel synchronization can be carried out by pressing the channel seek button on the R12G2 FM receiver. This will start an automatic seek for an active FM signal, and lock on to a channel containing an FM signal. A long press will turn off the receiver.

Amigo Channel Wizard in the T30/T31 transmitter can scan the environment to identify interference-free channels, which can then be programmed into the dedicated FM receiver. Please see the Amigo Fitting Guide for more information.

Compatibility with hearing aids

Amigo R12G2 offers FM connection to state-of-the-art hearing aids via a secure, tamper-resistant battery door that prevents the receiver from being removed or accidentally lost.

The dedicated FM receiver can be attached to the following BTE instruments with an adapter battery door mounted:

- Oticon Opn 1, Opn 2 and Opn 3 BTE13 PP*
- Oticon Siya 1 and Siya 2 BTE PP and BTE*
- Oticon Alta2, Nera2 and Ria2 BTE13 PP

* When Oticon Opn or Siya hearing aids are in an FM program, flight mode is activated to ensure a high quality FM signal without interference from the 2.4 GHz Bluetooth connections.

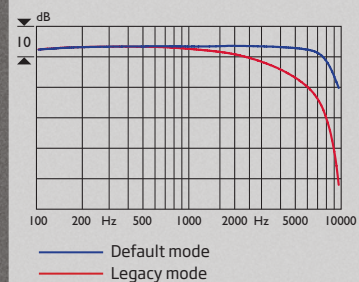
For more information please visit: www.oticon.com



Features

- R12G2 can be synchronized and fitted wirelessly by an Amigo T30/T31
- Sleep and off modes
- LED status indicator
- Channel seek function
- 0-30 dB gain range
- Wireless synchronization
- Tamper-resistant battery door

Frequency response





Hearing aid program management

Oticon hearing aids automatically add two programs when a connection to an FM receiver is detected. These are the FM only and FM+M (hearing aid microphone) programs. The hearing aid will default to FM+M. To switch between programs, simply use the push button on the hearing aid. When the FM receiver is off or in sleep mode, the two programs will be automatically disabled and the hearing aid will return to the general program. If the R12G2 receiver detects an FM signal when in sleep mode, the two programs will be added automatically again.

When the Opn and Siya hearing aids are in an FM program, flight mode is activated to ensure a high quality FM signal without interference from the 2.4 GHz Bluetooth connections. When the dedicated FM receiver goes into sleep mode and the hearing aid returns to the general program, flight mode is deactivated.

Automatically disabled program switch

For pediatric fittings when the FM receiver is attached, the hearing instrument's program switch is automatically disabled and the program is set to FM+M. This setting can be changed in the Genie/ Genie 2 fitting software.

Technical data	
Dimensions	14 x 8.3 x 11 mm
Weight	1.3 g
Battery drain	1.70 mA with LED on (blinking) 1.67 mA when LED is off 0.60 mA in sleep mode 170 µA in off mode
Off	Press the Channel Seek button for three seconds to turn the FM receiver off
Supply range	0.9-1.8 V
Operating frequencies (country dependent)	169.0-187.5 MHz 216.0-218.0 MHz
Programming frequency	3.7 MHz (magnetic link)
Channel selection	The FM receiver has a push button. Press this once to seek and lock on to a channel with an FM signal
De-emphasis (can be disabled)	80 ms time constant
Channel spacing	150 kHz
Antenna type	Built-in
Color	The FM receiver is available in a range of colors matching the hearing aids
Emissions	The FM receiver is in compliance with all relevant standards
Conditions of use	Operating humidity: 15% to 93% relative humidity, noncondensing* Operating temperature: +1°C to +40°C/+34°F to +104°F Storage and transportation: -25°C to +60°C/-13°F to +140°F*
FM range	Up to 30 m/98 ft.
Audio bandwidth	100 Hz-7.5 kHz
Programming range	Up to 50 cm/20 in. (T30/T31)
Synchronization range	From 6 cm/2.5 in. up to 80 cm/32 in. (T30/T31)
SNR	50 dB
Distortion	THD < 1 %

* Temperature and humidity should not exceed the following limits for extended periods during transportation and storage.