

Oticon Amigo R1 and R2 receivers are multi-channel and can easily connect to hearing instruments via an FM adaptor. With their advanced features they make the use of FM systems easier and more dependable.

Certainty

The unique, built-in LED on the receiver provides instant confirmation that the FM system is set up correctly. When the LED is lit, the teacher knows that:

- The hearing aid battery is functioning
- The receiver is ON
- The transmitter and receiver are working together correctly
- The child is on the right channel

Durability

From the exterior casing to the internal components, Amigo is the toughest FM solution ever made.

- Withstands accidental dropping
- Moisture resistant
- Low weight (approx. 1 gram)
- Gold plated Euro-pin connectors ensures perfect connection
- Ultrasonically welded together

Both the 3-position switch and the channel switch have been thoroughly tested and comply with all relevant standards.

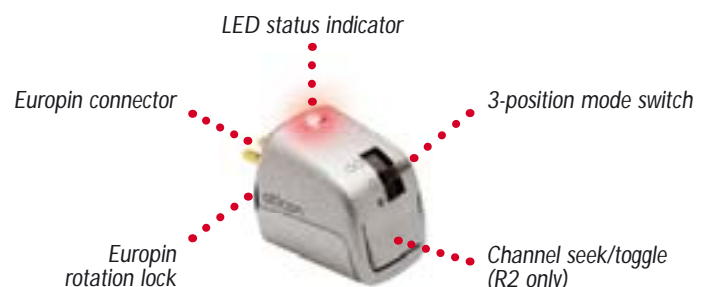
Convenience

The R1 and R2 offer a wide range of features that make the set up and use of FM systems extremely easy:

- LED that acts as status indicator
- Channel seek/toggle button (R2 only) that enables the user to change channel
- Multi channel. Each receiver contains a pre-defined list of channels on which it can be used. This list can be customized with the Amigo T20, T21 or the WRP
- Sleep mode. The receiver will go into sleep mode, if there has not been a FM signal for 60 seconds. The receiver will scan for an FM carrier every 10 seconds

Features

- Multi-channel
- Wireless synchronization
- LED indicator
- Channel seek
- Programmable de-emphasis
- Child ID
- Programmable default channel
- Programmable switch
- Sleep mode
- 0-30 dB gain range



Compatibility with hearing aids

The R1 and R2 are compatible with most BTE instruments via an audio shoe. Visit www.amigofm.com for more information.

Compatibility with FM systems

Amigo receivers work with other manufacturers' FM transmitters operating on the same frequency bands. The R2 receiver is indicated when another manufacturer's transmitter is used. Only the Amigo T20/T21 transmitters or Amigo WRP can be used to wirelessly synchronize Amigo receivers.

Channel management

With Amigo transmitters and receivers, channel management is easy. The T20/T21 scans the environment for interference-free channels, which can then be programmed into the receivers.

FM-CI adaptor

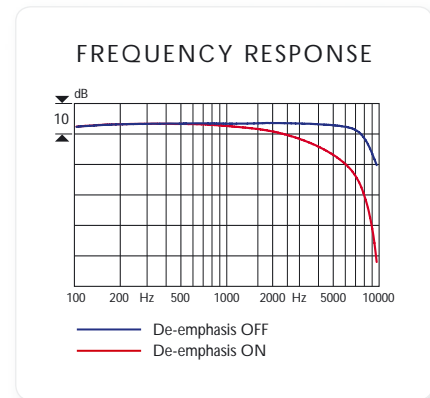
The FM-CI adaptor connects the Amigo receivers to most brands of body-worn CI processors.



FM-CI adaptor

CI compatibility

Amigo receivers can be used with most types of cochlear implant processors.



Technical data

Amigo receivers

Dimensions	14 x 11x 12 mm
Weight	1 g
Battery drain	2.00 mA with LED 1.60 mA when ON 0.75 mA in sleep mode 170 µA in OFF mode
Supply range	0.9-2.0 V
Operating frequencies (country dependent)	169.40-169.80 MHz 173.30-175.05 MHz 181.40-186.40 MHz 216.00-218.00 MHz
Programming frequency	3.7 Mhz
Channel selection	R1: R1 has a programmable default channel. Otherwise, use the T20/T21 or the WRP to change channel. R2: R2 has a Channel Seek button. Press this once to seek and lock on to a channel. Press it for a longer period to lock on the next channel with an FM signal.
De-emphasis (can be disabled)	80 µs time constant
Channel spacing	150 kHz
Antenna type	Built-in
Color	The Amigo R1 and R2 are available in silver
Emissions	The Amigo R1 and R2 are in compliance with all relevant standards
Intended climate conditions	0-50° C
FM range	Up to 30 m/100 feet (T20/T21)
Audio bandwidth	100 Hz-7.5 kHz
Programming range	50 cm/2 feet (T20/T21)
SNR	50 dB
Distortion	THD < 1 %