



A professional body-worn FM solution

The Amigo T5/R5 is a cost-effective body-worn FM solution, perfect for demanding environments. A simple user interface and clear controls make it readily accessible and highly reliable. And a wide variety of accessories support a broad range of applications, from being an FM system for conventional hearing instruments to a solution for children with CAPD and minimal hearing loss.

Certainty

The Amigo R5 provides instant LED confirmation that the transmitted signal is received, the system is charging, or that the transmitter is muted. On the R5, both channel and volume settings can be locked in order to prevent unwanted tampering.

Durability

A durable casing equips the T5 and R5 to withstand continuous use. And a strong belt clip keeps the unit securely fastened during wear.

All components have been thoroughly tested in compliance with all relevant international and company standards.

Flexibility

The Amigo T5 and R5 function with any other receiver or transmitter in the Amigo family. The T5 can also be used as secondary transmitter together with Amigo T21 in a team teaching setup.

The Amigo R5 offers multiple options for headphones, Direct Audio Input and CI connection, making it suitable for a wide range of applications. It even offers an optional neck-loop that enables FM functionality through the telecoil.

Convenience

Straightforward easy-to-use function push buttons and a clear display window secure hassle-free operation. The system runs on both rechargeable NiMH as well as non-rechargeable alkaline batteries, so down-time can be kept to a minimum.

A simple Mute/Un-mute push button enables prompt microphone On/Off functionality.

User features:

- Clear and simple user controls
- Runs on both rechargeable and alkaline batteries
- Fail-safe battery charging
- Wide variety of accessories
- Robust construction
- Tamper-resistant volume and channel control (R5 only)
- One receiver for two ears (R5 only)
- One touch mute (T5 only)



Optional accessories

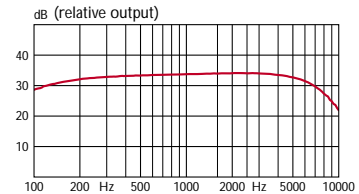
R5:

- Headphones
- Attenuated headphones
- DAI-cables (Direct Audio Input)
- Cochlear Implant connector cable
- Neckloop
- 6-unit charger

T5:

- Directional lapel microphone
- Boom microphone
- Antenna
- 6-unit charger

SYSTEM RESPONSE



Technical data

Amigo T5 and R5

Dimensions	5.9 x 8.2 x 2.0 cm
Weight	80 g
Power Supply	2 x 1.5V NiMH 950mAH rechargeable AAA battery 2 x 1.5V disposable alkaline AAA battery
Battery Life	More than 10 hours (more than 12 hours with disposable alkaline)
Charging Time	First time charging of a new battery is 14 hours
Operating Frequencies (country dependant)	Two models: 169.0 - 176.0 MHz 216.00 - 218.00 MHz
Channel Spacing	50 kHz adjacent channel spacing
Modulation type	Analogue FM (narrowband), $\Delta f = 5$ kHz
Colour	Silver with black

Amigo T5

Antenna type	Built into the microphone cord
Pre-emphasis	6 dB/oct boost from 2kHz (80 μ s)
RF output	+4 dBm into 50 Ohms

Amigo R5

De-emphasis	6 dB/oct boost compensation from 2kHz (80 μ s).
Microphone sensitivity	10 mV @ 1 kHz for 100% modulation, $\Delta f = 5$ kHz
Emissions	The R5 complies with all relevant standards

Amigo T5 / R5 System

Range	Up to 30 meters
Modulation Type	Analogue FM Narrow Band
Audio Bandwidth	150 Hz to 7 kHz
SNR	50 dB
Distortion	Less than 2%