

Amigo T10 is a multi-purpose, digital FM microphone/transmitter for use at home and at school. It offers frequency synthesis and is ideally coupled with the Amigo R2 multi-frequency receiver with channel-seek function.

Certainty

The LCD screen allows you to select a transmission channel, and confirms your selection immediately. The LED light on the R2 receiver provides instant visual confirmation that the FM system is working properly.

Durability

The Amigo T10 is built to withstand the rigours of daily usage – whether in the classroom, at home or outside. From the ergonomic exterior casing to the internal components, Amigo is the toughest FM solution ever made.

- Withstands accidental dropping
- Gold-plated battery contacts
- Fail-safe battery recharging
- Rechargeable AAA NiMH batteries can be replaced with alkaline batteries for extended use.

Voice Priority

The T10 intelligently prioritises voice over noise. It uses four directional microphones to provide the highest directionality available in any FM transmitter (8.5 dB AI-DI). The Focus and Super Focus directional modes suppress competing noise for maximum enhancement of the speech signal.

The T10 has a low internal noise level (high Signal-to-Noise Ratio) for quiet operation. And the optional rubber sleeve/case minimizes any handling noise when the T10 is being held.

Convenience

The Amigo WRP (Wireless Receiver Programmer) is a hand-held device that provides complete receiver programming, eliminating the need for additional equipment for setting up the FM system.

The built-in Channel Wizard guides you in channel management. It scans the FM environment and only suggests channels that are interference free.

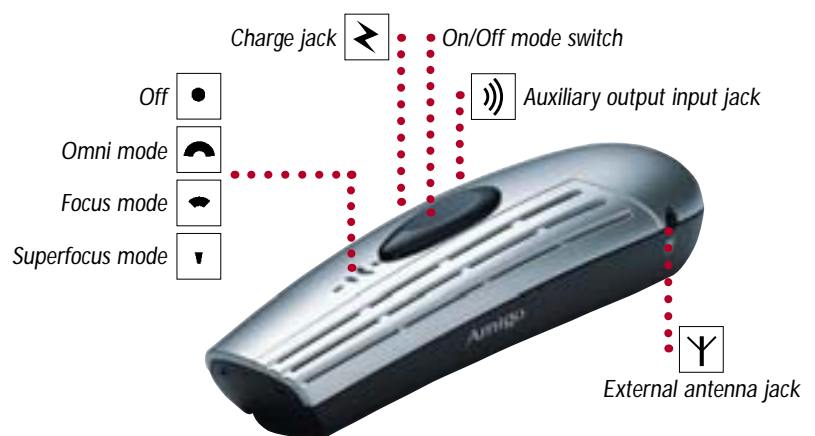
Programming features,

Amigo WRP (Wireless Receiver Programmer)

- Wireless programming of all Amigo receivers
- FM-Gain adjustment 0-30 dB
- Multiple languages
- Programmable Channel list
- FM Channel Wizard for proactive channel management

User features

- Multi-channel frequency synthesis
- 4 directional microphones with digital processing
- One dedicated Omni-directional microphone
- High AI-DI (8.5 dB)
- Single slide On-Off / Directional mode switch
- LCD screen displays channel and battery status
- Ergonomic design
- Multipurpose design (hand held, neck worn, or tabletop)
- Auxiliary audio input



Accessories

- 2 x AAA NiMH battery (950 mA)
- 2 Audio cables, 3.5 mm and TV/stereo
- AC battery charger
- Lavalier cord
- External antenna for extended operating range
- Omni directional Lapel microphone

Optional accessories

- Omni-directional lapel microphone
- Boom microphone
- Coloured rubber covers
- WRP (Wireless Receiver Programmer)

Technical data

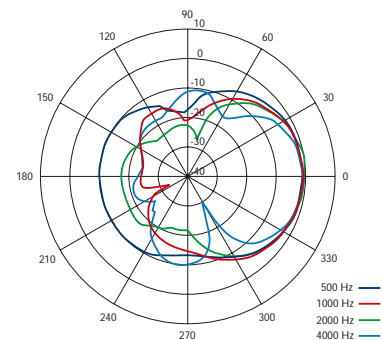
Transmitter

Dimensions	125 x 20 x 35 mm
Weight	75 g
Power supply	2 x 1.5V NiMH chargeable battery AAA or 2 x 1.5V disposable alkaline AAA battery
Battery life	8 hours + (10 hours with disposable AAA)
Charging time	First time charging of a new battery is 14 hours
Operating frequencies (country dependant)	169.40-169.80 MHz 173.30-175.05 MHz 181.40-186.40 MHz 216.00-218.00 MHz
Channel selection	The Amigo T10 is multi-channel. Using the tip of a paperclip, press the button to the left of the LCD screen to scroll through and select one of the available of channels.
Channel spacing	150 kHz
RF output	+4 dBm in 50 Ohm
Type of modulation	Analogue FM, $\Delta f = 5\text{kHz}$
SNR	50 dB
External audio	Input (mini-jack) 3.5 mm walkman type: 400 mVRMS
Colour	The Amigo T10 is available in black with silver. The WRP is available in yellow with black.
Emissions	T10 complies with all relevant standards
Intended climate conditions	0-50° C

System including receiver

Range	Up to 30 m with external antenna
Audio Bandwidth	100 Hz-6.5 kHz delivered from system to hearing aid
Distortion	THD < 1.5 %

Superfocus mode Polar Plot, 8.5 dB AI-DI (mic/transmitter)



Microphone Directionality Index (DI)

