

PRODUCT INFORMATION AMIGO ARC

Amigo Arc is an attractive, versatile neckloop offering easy FM access to universal teleloop systems. Users of telecoil-equipped instruments can benefit from it, as can people with auditory processing difficulties, who would use headphones to access the FM signal.

Bandwidth that matters

Amigo Arc offers much wider bandwidth - and therefore far better sound quality - than traditional neckloop receivers. In FM mode the bandwidth is 7,000 Hz, while in AUX mode it stretches to 9,000 Hz.

Personalise Amigo Arc

Amigo Arc offers interchangeable shells in five different colours. Easy to click on and off, these shells offer people a unique opportunity to customise Amigo Arc and make it their very own.

Visual indicators

Through the two built-in LEDs, Amigo Arc provides instant confirmation that it is working and receiving an FM signal, and that the battery power is sufficient.

Super bass boost for music

Amigo Arc offers an instant connection to devices such as mp3 players, with a unique bass boost that promises far richer sound quality than traditional neckloops can offer.

A no-limit solution

Fast and easy to fit, Amigo Arc can be used with either a teleloop or headphones. Such versatility makes it perfect for use in educational, leisure or business environments.

Intelligent volume setting

Amigo Arc remembers the last used volume setting whether it is FM via neckloop, FM via headphones or auxiliary input via neckloop.

Open system philosophy

The Pre- and De-Emphasis controls make Amigo Arc easy to use with virtually any FM transmitter.

Conserves power

Optional intelligent sleep mode function helps to conserve battery power.

Operation features

- 7,000 Hz FM audio bandwidth
- 9,000 Hz AUX IN bandwidth
- LED status indicators
- Superior bass boost
- Available in two loop lengths (75 cm and 55 cm).
- Wireless channel synchronisation
- Wireless programming
- Optional tamper-resistant buttons and controls
- On/off button with integrated channel seek
- Volume control button
- Hearing aid program button
- Fast USB battery charge
- 3.5mm AUX IN and OUT socket
- Neckloop safety release
- Intelligent volume memory settings
- Audible volume indicator
- 30 dB gain range

Accessories:

- Exchangeable shells in black, white, dark red, dark blue and silver
- USB charger
- USB cord
- AUX cable (3.5mm-3.5mm)



Dimensions without neckloop	67.5 x 30 x 13 mm
Weight incl. neckloop	38 g (75 cm version)
Length of the neckloop	75 cm and 55 cm
Faceplates	Exchangeable
Battery life	> 10 hours
Battery type	Lithium Polymer 3.7V DC
Charging time	80% in 1½ hour; 100% in 2½ hours
Charging voltage	Standard USB ~5V
Charging connector	Mini USB jack (<100mA) from any USB source
Operating temperature	0°C to +50°C
Charging temperature	0°C to +45°C
Remote control	Change program in selected Oticon hearing instruments
Programming range	up to 50 cm (WRP)
FM Range	Up to 30 metres
De-Emphasis	80 µs time constant
Optional Sleep Mode	7 seconds with no FM: Sleeps, searches for the FM signal every 5 seconds
Optional Sleep Mode	90 minutes with no FM: Turns off 15 minutes with no Aux signal: Turns off
Operating frequencies	169.00 - 218.00 MHz
No of channels inside	50
Programming frequency	3.7MHz
Frequency	Multi-channel, quartz-stabilised
Frequency fine tuning	Not relevant
Frequency stability	Better than +/-10 ppm over the whole voltage and temperature range
Type of modulation	FM
Antenna	Built-in
Adjacent channel selectivity	< 50 dB at 150 kHz
Sensitivity	Sinad > 6dB @ E=1V/m
Audio bandwidth	Neckloop: 250Hz - 7000Hz (-3dB) Headphones: 150Hz - 7000Hz (-3dB) AUX: 150Hz - 9000Hz (-3dB)
Total harmonic distortion	Neckloop: < 1.5% for fmod = 1kHz and fdev = 5 kHz Headphones: < 0.5% for fmod = 1kHz and fdev = 5 kHz AUX: < 1.5% for fmod = 1kHz and fdev = 5 kHz
Signal-to-noise ratio (SNR)	Up to 50 dB
Magnetic field strength	Max 315mA/m at ear (fmod=1kHz, fdev=5kHz) 1.70 A/m 150mm above the centre loop for fmod = 1kHz and fdev = 5 kHz
Level of headphone output	Max 200mV into 32 ohm (fmod=1kHz, fdev=5kHz)
Headphone/AUX jack	Stereo jack 3.5mm
Input level	5mVrms to 2Vrms
Auto power-off input level	<5mVrms
ALC attack/release	300ms/25s
Emissions, Immunity	301 489-1/3/9 TX:3.7MHz, RX: 168-218MHz
Spurious emissions	EN 301 357-1 RX: 168-218MHz
Radiocom. + spurious	EN 300 330-1/2 TX: 3.7MHz, RX: 168-218MHz
Electrical safety	EN 60950-1