Starkey | Technical Data

CROS System

RIC RT & RIC 312

The Starkey CROS System includes products specifically designed for patients who need sound routed to a better hearing ear. The CROS solution transmits sound wirelessly from a microphone placed on a patient's unaidable ear to a receiver fitted on a patient's better hearing ear. Devices can also be configured as a BiCROS solution for patients who need amplification in their better hearing ear.

Omega AI

Special Features

- Clear and consistent wireless streaming using 2.4 GHz + NFMI technology
- Telecoil standard in Omega AI RIC RT CROS receivers
- Compatible with StarLink Remote Control 2.0 and StarLink Edge accessories
- SCIF Compliant
  All Starkey Omega AI wireless hearing aids are SCIF compliant devices. All hands-free bi-directional wireless audio transmission features may be disabled in the hearing firmware through fitting software by the Audiologist. Those restricted features cannot be activated by the Patient by any means.
- Multiple Processor:
  For many years, Starkey has utilized multiple processors within a single chip, processors that work separately and concurrently to perform the various processing tasks of a modern-day hearing aid. Each processor is optimized to provide efficient calculations for a particular aspect of the audio processing. As technology advances, new types of processors are added, such as those optimized to execute neural networks, so that Starkey can continue to improve the sound quality of our hearing aids and ability of the hearing aid wearer to understand speech in a challenging environment.

Radio Information

Antenna type:	Coil wrapped on ferrite core
Operation frequency:	10.281 MHz NFMI
Occupied bandwidth (99% BW):	400 kHz
Modulation:	8 DPSK
Operating range:	30 cm
Wearing options:	Receiver-In-Canal
Use case:	Streaming of audio signal to receiving hearing aid on the other ear

General Information

Compatibility

Omega AI RIC RT CROS is compatible with Omega AI RIC RT

Omega AI RIC 312 CROS is compatible with Omega AI RIC 312

Battery Information

Model	Battery size	IEC code	ANSI code
Omega Edge AI RIC RT CROS	Lithium Ion	N/A	N/A
Omega AI RIC 312 CROS	312	PR41	7002ZD

Audio Information

Audio Quality:	20 kHz sampling frequency

Standards Applied

USA	Canada
RIC RT FCC ID: EOA-24EDGRICRT	RIC RT IC: 6903A-24EDGRICRT
RIC 312 FCC ID: EOA-24EDGR312	RIC 312 IC: 6903A-24EDGR312

Transportation and storage conditions for the RIC RT and RIC 312:
Your hearing aids should be stored and transported within the temperature, humidity, and pressure ranges of -10°C (14°F) to +45°C (113°F),10%-95% rH, and 70 kPa – 106 kPa (equivalent to altitudes from 1,200 ft (380 m) below sea level to 10,000 ft (3,000 m). The charging temperature range is between 10°C (50°F) and 40°C (104°F) and between 10%-95% RH and 70 kPa-106 kPa. Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from 0°C (32°F) up to 40°C (104°F).

Safety Standards:
Meets IEC 60601-1 and 60601-2-66 safety standards and IEC 60601-1-2 EMC standard.