



# 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.

Genesis AI 24 | 20 | 16 | 12

#### Special Features

- Clear and consistent wireless streaming using 2.4 GHz + NFMI technology
- Starkey's patented Neuro Sound Technology brings audibility and speech understanding to patients in any environment
- Telecoil standard in Genesis AI RIC RT CROS receivers
- Compatible with 2.4 GHz StarLink accessories

#### 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

##### Transportation and storage conditions for the RIC RT:

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).

##### Transportation and storage conditions for the RIC 312:

Your hearing aids should be stored and transported within the temperature, humidity, and pressure ranges of -40°C (-40°F) to +60°C (140°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)). Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from -20°C (-4°F) up to 50°C (122°F).

##### Safety Standards:

Meets IEC 60601-2-66 safety standard and IEC 60601-1-2 EMC standard.

#### Compatibility

Genesis AI RIC RT CROS is compatible with Genesis AI RIC RT

Genesis AI RIC 312 CROS is compatible with Genesis AI RIC 312

#### Battery Information

Model	Battery size	IEC code	ANSI code
Genesis AI RIC RT CROS	N/A	N/A	N/A
Genesis AI RIC 312 CROS	312	PR41	7002ZD

#### Audio Information

Audio Quality: 20 kHz sampling frequency

#### Standards Applied

USA	Canada
RIC RT FCC ID: EOA-24GENMACRO	RIC RT IC: 6903A-24GENMACRO
RIC 312 FCC ID: EOA-24GENR312	RIC 312 IC: 6903A-24GENR312