



## Wireless 2-Way Audio System

Nearly all MRI scanners require acoustic noise protection for the patient. The NeoCoil 2-way audio system comforts patients with their preferred audio while attenuating scanner noise with the most comfortable headphones available, without pneumatic tubes or wires. The system offers a personalized audio entertainment experience tailored to the patient preferences as the system can be used with any audio player that provides a standard 2.5mm audio output jack.



### Headphones

Rated at 21dB NRR for ambient noise protection, the lightweight, comfortable, MR safe, over ear headphones include an integrated directional boom microphone that allows constant 2-way communication between patient and technologist throughout the exam. All components are shielded to eliminate any possible artifacts during image acquisition.

### Alert

The system includes a wireless hand held alert that triggers a signal at the Communications Control panel, providing another method for the patient to gain the technologist's attention.

### Communication Control

A Communication Control panel provides the MR operator with simple, uncluttered controls for volume and alert reset, as well as a push to talk microphone that interrupts the music stream for clear communication between operator and patient. The module includes 4 auxiliary USB charging ports for charging the wireless units.

### Transmitter

A wall-mounted transmitter includes OEM-specific couplers for the filter (penetration) panel, delivering the 2.4 GHz wireless audio signals, while supporting artifact-free image generation.

## Specifications

Item	L x W x H	Weight
Wireless Headphones	21cm x 17cm x 20cm	412g
Wireless Patient Alert	8cm x 6cm x 3cm	59g
Pen Panel Transmitter Box	17cm x 8cm x 3cm	147g
Communication Control	18cm x 12cm x 5cm	325g

### Available OEM filter panel kits

- ONI OrthoOne
- ONI MSK Extreme
- GE MR430s

### Consumable Accessories

- Replacement ear cushion
- Disposable ear cushion covers
- Microphone windscreen

### Headphone Indicators

Power battery charger, wireless signal strength.

### Communication Control Indicators and Controls

Patient alert (and reset), microphone control and volume control (patient voice, technologist voice, and audio entertainment volume).

### Transmitter Indicators

Power, patient alert, network

### Radio

2.4GHz ISM band

### Battery

Internal Li-Po 3.7V, 750mA

### Battery Life

8-10 hours of continuous use

### Battery charger interface

Micro USB, 5V, 100mA - 500mA

### Noise Reduction

21dB (ANSI S3.19 - 1974)