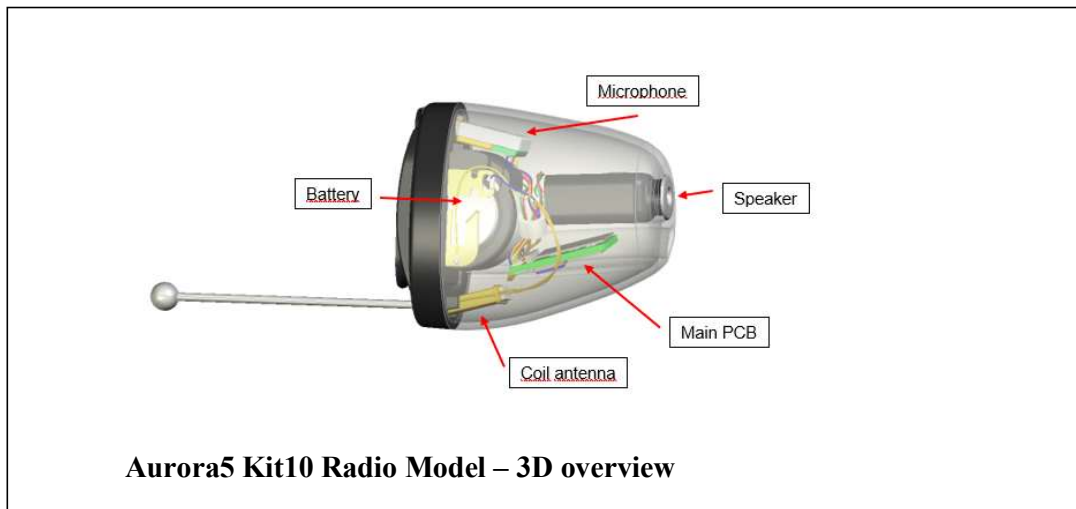


# SBO Hearing A/S

## Radio Model - Quick Installation Guide

Radio Model Name: AM\_AU5\_KIT10



The Aurora5 Kit10 radio model (AM\_AU5\_KIT10) contains one radio transceiver running at 3.84 MHz implemented on a single hardware platform.

The radio model is implemented in a module mounted on the main PCB with connection to the antennas, telecoil, the microphones, the speaker and the battery terminals. The radio model can be seen in 3D overview to the left.

The 3.84 MHz radio is a low power, short range inductive radio transceiver (NFMI – Near Field magnetic Induction) working at a single channel at 3.84 MHz using MSK modulation with 320 kbit/s data rate and connected to a small coil antenna wound on a ferrite core. The antenna gain is less than 0 dBi, due to the size 1.0 x 0.5 x 5.0 mm.

The Aurora5 Kit10 requires only a single cell Zinc-air size 10 battery, a battery door, a customized plastic shell in order to be an operational hearing aid. The stack up can create a CIC or an IIC custom hearing aid host.

The AM-AU5-KIT10 module is tested in a reference host as all I/O, sensors, acoustic interfaces and antennas are externally mounted around the module. The reference host represent the worst-case configuration and conditions for the AM-AU5-KIT10 module. The worst-case host configuration is tested in all operating modes and an FCC part 15B and ICES-003 is demonstrating the compliance of the custom host type CIC or IIC. The production performs full operational tests on all manufactured custom products.

The Aurora5 Kit10 radio model is intended to be installed in Oticon, Bernafon, Sonic, Philips and affiliated private labels wireless hearing aid devices of the Kit10 (**Custom designed CIC- Completely In Canal or IIC – Integrated In Canal**) wearing style. Typical size of a host hearing aid is 18 mm x 14 mm x 9.5 mm or less.

The coil antenna has a minimum of 5 mm distance to the skin around the ear. The coil antenna is always fixed around the battery door and facing away from the ear. The coil antenna cannot be removed or placed differently when building the CIC or IIC custom host product.

The custom hearing aids are all label exempted and thus the product label is placed on the packaging label and the IFU.

# SBO Hearing A/S

## Radio Model - Regulatory Label Information for USA & Canada

**Radio Model Name:** AM\_AU5\_KIT10

**Contains:**      **FCC ID:**      2ACAHAU5CIC  
                         **IC:**                11936A-AU5CIC

### **NOTICE:**

This device complies with Part 15B, Part 15.223 of the FCC Rules and with ICES-003, RSS-210 of Industry Canada rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made to this equipment not expressly approved by SBO Hearing A/S may void the FCC authorization to operate this equipment.

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de*

*licence. L'exploitation est autorisée aux deux conditions suivantes:*

- (1) *l'appareil ne doit pas produire de brouillage, et*
- (2) *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*