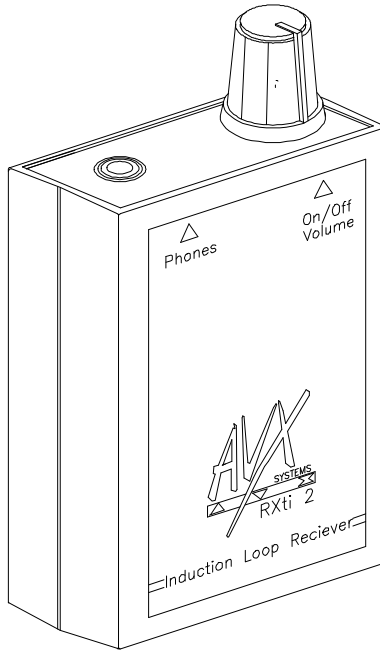


# Commercial Audio Solutions

## RXTi2 Induction Loop Test Receiver



### Technical Description

The RXTi has been designed to allow installers, and the non hard of hearing to test and assess the quality and audibility of the loop system.

In order to improve the quality of the receiver we have implemented a dual inductor system which helps reduce the background noise from computer monitors and fluorescent tubes. The audio response from the receiver is flat from 100Hz to 13KHz, to allow an installer to assess the background noise in a room with no loop amplifier running. If the room is to be used for the hard of hearing and there is a low level 'mains hum' present this will not normally effect the hard of hearing user, as their hearing aids will have a 50Hz filter to remove the hum.

If the level of background hum is excessive then it may be necessary to boost the output power of the loop amplifier to overcome this background noise.

The RXTi 2 may also be used in non hard of hearing situations such as multilingual translation systems or museum talk through systems, and stage managers talk back systems.

## Operation

### Headphones

The RXti 2 can be used with a wide range of headphones designed for use with 'walkman' style radio/cassette recorders. These can be 'in ear' types, or normal lightweight types, however when purchasing the headphones please ensure that the impedance stated for the units is no greater than 32 ohms. This is normally printed on the side of the box, or in the specification sheet. The RXti 2 will **not** function properly with 600 ohm hi-fi type headphones.

### Soft Start

In order to prevent large clicks or pops when switching the unit on, we have introduced a 'soft start' to the receiver. This means that when you first turn it on the volume will be very quiet. After a few seconds the soft start will cut out and the unit will function at full volume. Care should be taken not to turn the volume control up too far initially, as the receivers volume may be too high when the soft start function finishes.

## Batteries

To fit the batteries, remove the rear battery compartment lid, and insert 2 AAA battery cells. Alkaline or long life types are recommended for continuous use, but the unit will function with ordinary zinc carbon cells. If the unit is not to be used for a long period of time, remove the batteries to prevent leakage and or damage to the unit.

### Caution

**The audio output from RXti 2 can exceed 100mW into 8 ohms, and this may cause hearing damage with long term exposure. Therefore Care should be taken not to use excessive volume when testing loop systems.**