

ETRX Induction Loop Receiver



USER Manual

Revision 2 - June 2010

Please Read Carefully Before Use



Introduction

The Easy T range of Induction Loop products are designed to meet the demands of members of the public who need to receive programme information in accordance with the DDA (Disabled Discrimination Act) and as such is defined as an auxiliary aid.

The ETRX can be used on to test the operation of induction loop systems and provides a source for non hearing aid users to asses the quality and background noise of these systems.

Suitability

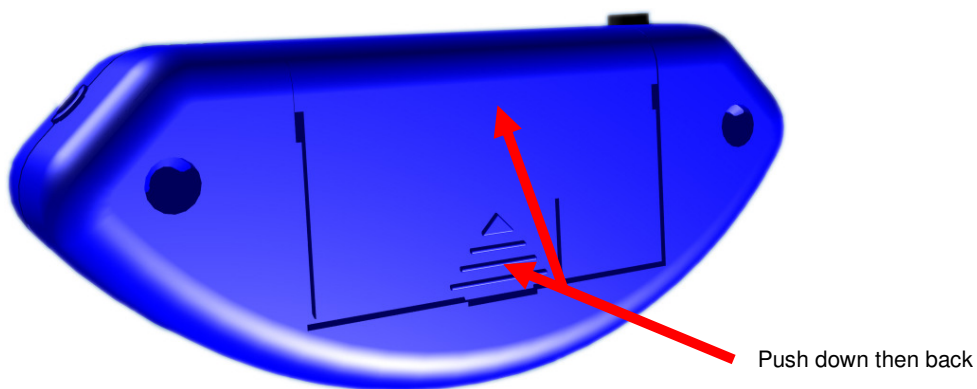
The ETRX with headphones is suitable for use as a museum tour-guide system or to provide assistance for non hearing aid users, it is not sold as a medical aid, and the services of a professional Audiologist should be sought on these applications.

System Design

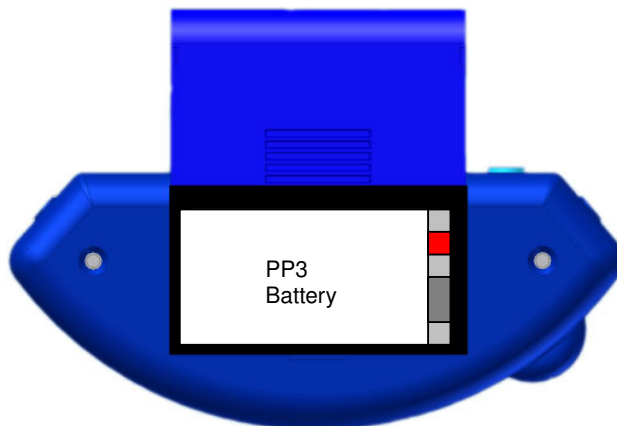
A basic Induction Loop system will comprise an AFILS amplifier, loop cable and a number of hearing aid or ETRX receivers; operation is completely automatic at the transmitter end and if correctly installed and commissioned the user needs no interaction.

Operation

The ETRX requires one PP£ type battery for operation, to open the battery compartment press in and push as indicated in the drawing below:



Once the compartment is open insert the batteries as shown:



Ensuring the flat section of the battery is placed on the spring terminals.

Wearing the unit

The ETRX is designed to be hand held or placed in a pocket, the pick-up coil is directional and is 45° to the horizontal plane for general operation.

Controls

The ETRX has only one control, a combined volume and ON/OFF switch.

The switch has a positive click action and can be slowly adjusted until the correct listening volume is achieved. When using headphones near the microphone, feedback may occur in the form of a loud whistle, either move away from the microphone or reduce the volume control to stop this.

If the audio is distorted, either the level is too high, the batteries are low on charge, or the incorrect impedance headphones have been used, ETRX is designed for 32Ω headphones and will not work correctly with 600Ω units.



Important Safety Information

When using the ETRX with headphones there is a tendency to use a higher volume than for normal listening, this should be avoided as it may lead to long term hearing problems.

Technical Specification

Audio output power 40mW
 Loop Field 400mAM-1
 Frequency response 30-18,000 Hz
 THD (1 kHz.) <1%
 Audio signal-to-noise ratio >60 dB(A) rms
 Headphone output 3.5mm mono jack
 Headphone impedance Minimum 16 Ω

Operating voltage 6.6-9V DC
 Batteries 1 off PP3
 Current consumption approx. 30 mA
 Dimensions
 Height 39mm
 Width 110mm
 Depth 28mm
 loop 400mm Diameter
 Weight approx. 70g

The ETRX Units are designed and manufactured in the UK by:

**Current Thinking Ltd,
 Unit 91 Silver Briar
 Enterprise Park East,
 Sunderland,
 SR5 2TQ.**

www.current-thinking.com

info@current-thinking.com

