



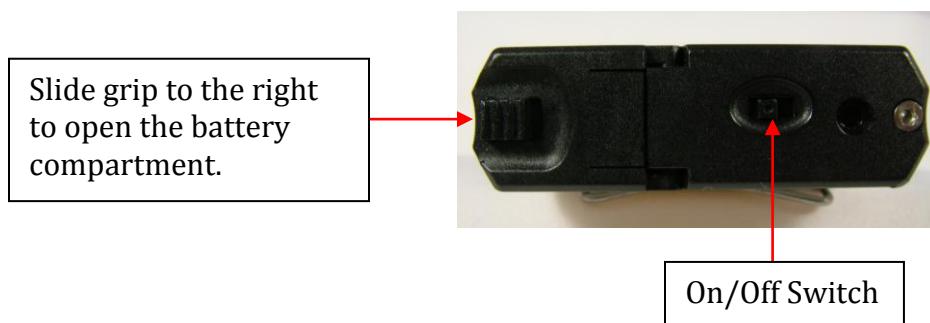
## User guide for the En2 TXPH Transmitter



## **Installing and removing batteries**

To open the battery compartment, slide the grip to the right. This will unlock it and the battery can be placed inside with the positive end uppermost.

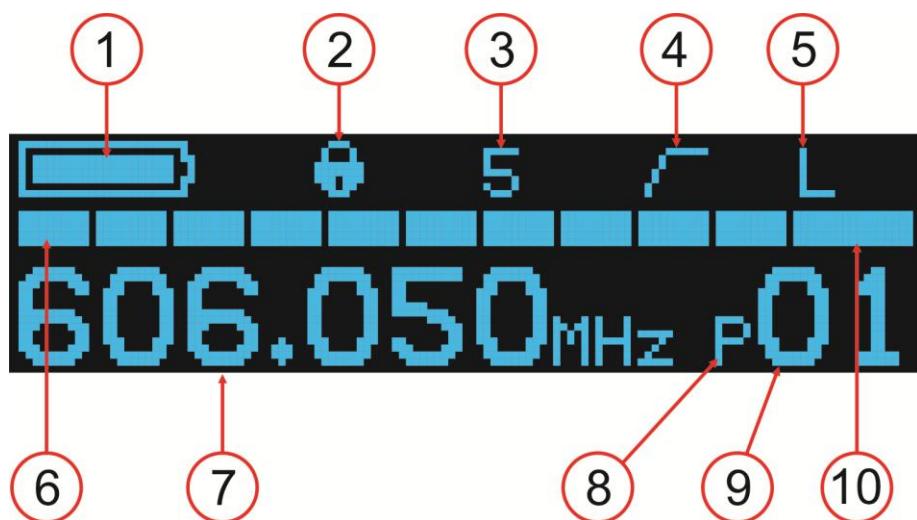
To close the battery compartment, gently push down the flap until you hear a clicking sound. The transmitter is now ready to use.



## **Switching the transmitter on and off**

To turn the transmitter on, slide the switch to the left. To turn it off, slide the switch to the right. The TXP will turn on and the OLED screen will display the following:

### **Default screen**



## **Key**

- 1 Battery level icon (displays 'EXT' when externally powered).
- 2 Menus Locked icon.
- 3 Current gain setting.
- 4 LF Cut active icon.
- 5 RF Output Power icon (Only displayed when 'Low' setting selected).
- 6 AF level indicator
- 7 Frequency
- 8 Frequency selection mode (P = PRESET, U = USER, TUNE = TUNE mode).
- 9 Selected channel number (PRESET or USER modes only).
- 10 Overload indicator.

## **Enter Main Menu**

To access the various transmitter parameters press and hold the navigation switch located on the top of the transmitter, for 2 seconds to enter the menu. The main menu will be displayed.



## **Accessing the Frequency option**



After accessing the main menu, use the navigation switch to scroll to the Frequency option. Once the frequency option is highlighted, press down on the nav switch to enter the frequency menu to view the range of frequencies.



A range of frequencies will be displayed and the desired one can be highlighted using the scroll. To confirm the desired frequency press down on the navigation switch to make the selection. The transmitter will then return to the main menu.

#### AF Gain option



After accessing the main menu, use the navigation switch to scroll to the AF gain option. Once the AF gain option is highlighted, press the nav switch to select one of 10 AF gain settings.



Use the navigation switch to highlight the desired AF Gain option. To confirm this choice press navigation switch and the transmitter will save the setting and return to the main menu.

#### LF Cut option

After accessing the main menu, use the navigation switch to scroll to the LF Cut option.



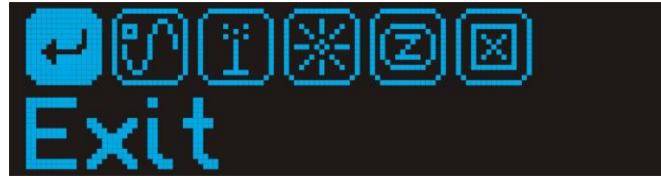
Select the required filter setting.



### Options

After accessing the main menu, use the navigation switch to scroll to the Options menu. When the Options icon is highlighted, press the navigation switch.

On doing so, the Options menu will be displayed as shown below:



### Frequency Mode



In selecting the frequency mode the user can select one of three frequency modes, Factory set **Preset**, **User**, or manual **Tune**.



In **Tune** mode the user can select any frequency within the switching bandwidth of the frequency table in 25kHz steps and then save them to the **User** memory. The User memory is initially programmed with a copy of the **Preset** frequencies until the user selects and saves a frequency in **Tune** mode.

## **Frequency tables**



Units which are programmed with multiple tables will show frequency table selection on the menu. Entering the frequency table selection screen will show the frequency table number. The user can select any one of up to 10 tables.

## **RF Power**



In selecting the RF Power from the Options menu the user can select High or Low power settings. In selecting the low power setting the user will extend the battery life of the transmitter.



## **Brightness**

The brightness menu selection allows the user to set the brightness of the OLED display. There are 5 selectable levels available.



## Screensaver

The OLED display can be placed into screen saver mode to extend battery life and also reduce light emission from the transmitter when it is bodyworn. There are 4 settings available :-

X - display on all the time  
5 - screen enters screen saver after 5 seconds  
20- screen enters screen saver after 20 seconds  
60 - screen enters screen saver after 60 seconds



If for any reason, the user wants to restore the transmitter to the original factory supplied settings then the user can use the restore function. Please note this will overwrite any user memory settings and gain settings.



## Information option

From the top level menu the **Info** provides the serial number, Firmware revision and frequency table information.



After accessing the main menu, use the navigation switch to scroll to the Info option.

Once the Information option is highlighted, press the navigation switch to view the options.



To view the information for any of these, there is no need to press down the middle button. Simply scrolling from left to right will enable you to view the data for any of the three headings. Pressing down on the navigation switch will instantly take the transmitter back to the Main Menu.

### **Lock option**

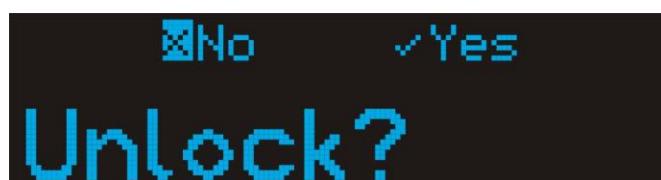
After accessing the main menu, use the navigation switch to scroll to the Lock option. Once the Lock option is highlighted, press the middle part of the navigation switch to view the options:



To lock the transmitter, scroll using the navigation switch to the Yes option. The transmitter will then return to the main menu, with an unlock symbol to replace the lock symbol.



To unlock the transmitter, scroll to the unlock symbol and use the middle part of the navigation switch to select the Yes option. The transmitter will then return to the main menu.



## **Batteries**

Upon finishing with any used batteries please dispose of them as special waste. In order to protect the environment, only dispose of exhausted batteries.

## **Warning!**

Any modifications or changes made to this device, unless explicitly approved by Audio Ltd., may invalidate the authorisation of this device. Operation of an unauthorised device is prohibited under Section 302 of the Communications act of 1934, as amended, and Subpart 1 of Part 2 of Chapter 47 of the Code of Federal Regulations".

## Technical Specifications

<b>Switching Bandwidth</b>	Up to 40MHz in 25kHz steps
<b>Number of frequency tables</b>	Up to 10
<b>Number of Factory Pre-set Frequencies</b>	32 in each table
<b>Number of User Selectable Frequencies</b>	32 in each table (selectable in 25kHz steps)
<b>Channel bandwidth</b>	200kHz
<b>Modulation Mode</b>	Wideband FM
<b>Emmission designator</b>	F3E
<b>Frequency Tolerance</b>	35ppm
<b>Audio Frequency Response</b>	50 – 18kHz
<b>Signal-to-Noise Ratio</b>	>100dB ( $\pm 45$ kHz deviation)
<b>Total Harmonic Distortion</b>	<0.3% typ.
<b>Output Power</b>	100mW or 50mW nominal, selectable
<b>Audio Gain control</b>	0-35dB in 8 steps plus 2 steps for line input
<b>LF Cut</b>	3 settings; flat, 80Hz, 120Hz
<b>Input connector</b>	Binder™ 5 pin screw-locking
<b>Display</b>	OLED blue, 128x32 pixels
<b>Control</b>	3 position navigation switch
<b>Battery Type</b>	1 x 1.5V LR6 AA size
<b>Battery Life</b>	4 to 6 hours depending on battery type Audio Ltd recommend use of NiMh
<b>External Supply Voltage</b>	6 – 18V DC (80mA @ 12V)
<b>Operating Temperature Range</b>	-20° C to +55° C
<b>Weight</b>	118grams (without batteries)
<b>Dimensions</b>	63mm (W) x 82mm (H) x 20mm (D)