



## User Guide for DX Single True Diversity receiver



### **Installing and removing batteries**

To open the battery compartment, slide the catch away from the edge.



The receiver can be powered externally via 6- 18 Volts DC using an appropriate Audio Limited cable or it can be powered internally using 1xAA type 1.5V battery. Both batteries should be inserted in the battery compartment, with the negative end entering first. To close the battery compartment, press firmly down on the flap.

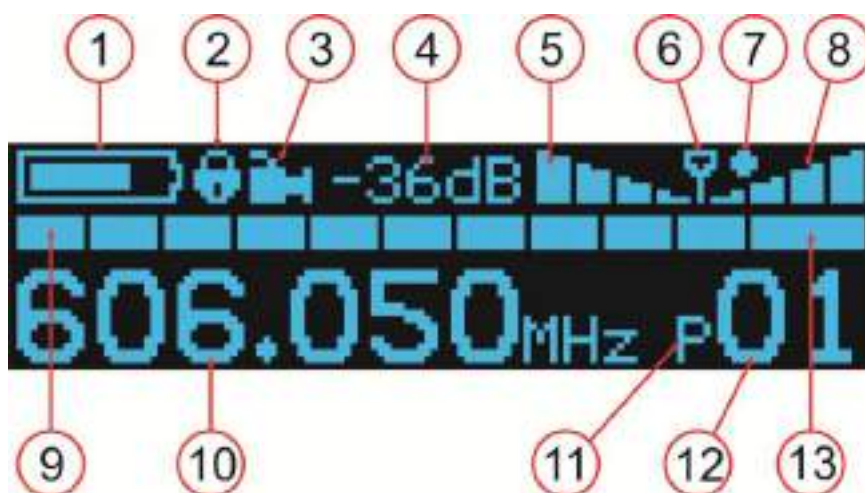
### **Switching the receiver On and Off**

To turn the receiver on, slide the switch in the base of the unit to the left and a display should appear on the screen.

To turn the receiver off, slide the switch in the base of the unit to the right.

### **Viewing the Main Menu**

When the receiver has been turned on, the default screen will be displayed as shown below:



Key

- 1 Battery level
- 2 Menus Locked
- 3 Camera mode
- 4 Current AF attenuator level setting
- 5 RF level.
- 6 RF/Squelch icon (flashes when squelched)
- 7 Diversity indicator
- 8 RF level
- 9 AF signal
- 10 Frequency
- 11 Frequency mode (P = PRESET, U = USER, TUNE = TUNE mode)
- 12 Selected channel number (PRESET or USER modes only)
- 13 Overload indicator



To alter the receiver parameters press and hold the nav-switch for two seconds and the Main menu will appear. On the Main menu, seven icons are displayed.



### **Accessing the Frequency option**

To choose a particular frequency, use the nav-switch to highlight the 'Frequency' icon. Press and hold the nav-switch to select the frequency option.



In the Preset frequency mode scroll with the nav-switch till the desired frequency is reached.



Press the nav-switch to confirm the chosen frequency.

In Tune mode the frequency any frequency within the switching bandwidth can be selected in 25kHz steps.



The selected frequency can then be stored in the User memory.



### **AF output option**

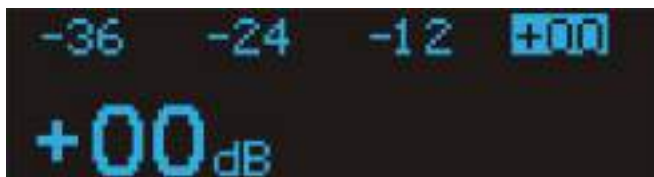
#### **\*Note:**

Before connecting the output of the receiver to microphone input of the mixer or camera please ensure the 48V phantom power is switched off. Leaving the phantom power switched on may cause damage to the receiver's output circuitry.

On the main menu, the nav-switch can be used to highlight the 'AF output' icon. Once highlighted, press and hold the middle of the nav- switch to view the four AF output levels.



The receiver output level can be set to any one of 4 pre-set levels in 12dB steps. Scroll the nav-switch left or right to select the desired value is . Press and hold the nav-switch to confirm the choice of output level.



### Options

On the main menu, the nav-switch can be used to highlight the ‘options’ icon. Once highlighted, press and hold the middle of the nav- switch to view the seven sub-options under the ‘options’ menu.



### Exit

To return to the main menu, use the nav- switch to highlight the ‘Exit’ icon. Press the nav-switch to display the main menu automatically.



### Output mode





### Freq mode



On the 'Options' menu, the nav- switch can be used to highlight the '**Freq mode**' icon. Once highlighted, press and hold the middle of the nav- switch to view the three frequency options:

Use the nav- switch to highlight the desired mode and press the nav-switch to confirm the choice.

The display will then automatically return to the 'options' menu.

### Frequency table







The display will then automatically return to the 'Options' menu.

### Display

On the 'options' menu, the nav-switch can be used to highlight the '**Display**' icon.



Once highlighted, press and hold the middle of the nav- switch to view the two display sub-menus, '**Brightness**' and '**Screensaver**'.

### Brightness

To adjust the brightness of the display, press and hold the middle of the nav- switch to selected the brightness menu. To select one of five brightness options, use the nav-switch to highlight the desired brightness setting. Press and hold the nav-switch to confirm the setting.



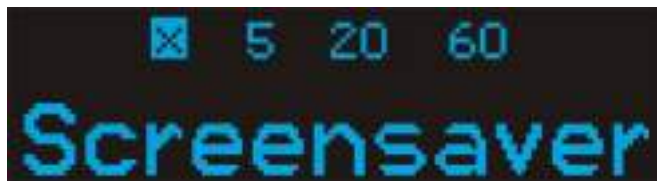
The display will then automatically return to the 'Options' menu.

### Screensaver

On the '**Display**' sub-menu, to adjust the screensaver time, use the nav-switch to highlight one of four timing options, in seconds:

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



Press and hold the nav-switch to confirm the setting.

The display will then automatically return to the '**Options**' menu.

### Lock

To prevent accidental changes to the settings the menus can be locked.



On the '**Options**' menu, scroll to the '**Lock**' icon. Once highlighted, press and hold the nav-switch to confirm the locking of the receiver.



By selecting '**Yes**', the receiver will be locked and the '**Options**' menu will automatically be displayed.



To unlock the receiver, use the nav- switch to highlight the '**Unlock**' icon and press and hold the middle of the nav- switch to confirm unlocking.





By highlighting 'Yes' and pressing the middle of the scroll button, this will unlock the receiver.

The 'Options' menu will then be automatically displayed.

#### **g) Restore**

In order to restore the factory settings use the '**Restore**' setting.

On the 'Options' menu, the nav-switch can be used to highlight the '**Restore**' icon.



Once highlighted, press and hold the nav-switch to view '**Yes**' or '**No**'. To restore the receiver's original factory settings, use the nav-switch to highlight the '**Yes**' option and press and hold the nav-switch to confirm the restoration of the original factory settings.



#### **Scan**

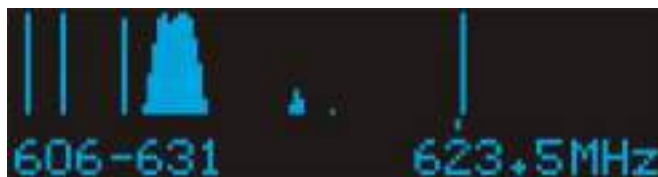
The Scan feature in the En2 receivers is a very useful tool to allow the user to be able to scan the stored frequencies in order to avoid any local interference.

On the main menu, the '**Scan**' icon can be highlighted using the nav-switch.



#### i) Tune mode scan

In tune mode the display will show a spectrum analyser type scan. The frequency range of the table being scanned is displayed in the bottom left-hand side of the display. As the cursor moves along the screen any RF signals will be displayed showing the signal strength. The frequency associated with the instantaneous position of the cursor is displayed on the bottom right-hand corner of the display.



#### ii) Free or TX scan

Once the scan icon is highlighted, press and hold the middle of the nav-switch to view the two scan options. The user can scan for a free channel or for a transmitter.



When the receiver detects no activity on any channel in 'Free' mode or detects a valid transmission in 'TX' mode, it will halt the scan. To resume scanning move the nav-switch left or right.

Press to accept the channel where the scan has stopped. The screen will change to display the set or cancel screen.



Move the nav- switch left or right to highlight the 'Set' or 'Cancel' option, then press the select that option.

If 'set' is selected, the indicated the channel number becomes the new current channel for the current frequency selection mode.

If 'cancel' is selected, the current channel remains unchanged. In either case, the display will return to the Top Level Menu screen.)

### **Info**

On the main menu, the 'Info' icon can be highlighted using the nav- switch.



Once the info button is highlighted, press and hold the middle of the nav- switch to view the information for:

S/N- Rev- Table

Respectively.





There is no need to press and hold the middle of the nav- switch for any of the options- the data for each of the options can be viewed by simply highlighting the option using the nav- switch.

### **Exit**

On the main menu, the 'Exit' icon can be highlighted using the nav- switch. Once the Exit is highlighted, press and hold the middle of the nav- switch.



The screen will then display the original screen for the Parameter.

### **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.

### **Safety instructions**

Please exercise caution when employing the headphone output. Higher volumes or longer durations can damage your hearing. At higher volumes the duration should be shortened in order to prevent damage.