

## Using the PX



### First things are first....

When installing the batteries turn off the PX remove the rear battery cover note the +/- marked in red and black it's important that you do not install the batteries backwards. Replace the cover and press the power button.

To Turn off Press the POWER and MODE button at the same time



After 1 second the four leds will light in sequence from left to right and the device will say dictionary mode.

The PX has only one control the mode switch locate on the left of the device. When switching modes hold the mode switch down till the lights change and the PX announces the next mode of operation.

### The Modes are:

- 1: Dictionary Mode the PX has 2048 internal words that are used in this mode
- 2: Phonetic Mode the PX will use phonemes to speak
- 3: Reverse Phonetic Mode The PX will reverse the phonetic output in effect it talks backwards
- 4: Touch Mode this mode is used to detect if the device is being touched
- 5: Voice Change Mode, this mode is the same as #1 dictionary mode except the voice can be altered detected inputs
- 6: Repeat Mode say last words said .. in this mode the PX will repeat the last words spoke from last said to first  
up to 400 words.
- 7: Energy Mode : this mode allows the user to set the sensitivity of the device with one of 3

preset levels. The PX will say LOW then give four beeps pressing mode during this time will set the Energy level low



The PX has an Audio output jack for Amplified speaker or Recorder output.

The PX shipped with a 2048 word vocabulary twice the original design amount this "firmware" Equipped with an internal speaker the PX also has an external audio jack as well. This jack is for Amplified speakers

The PX voice is driven by a speech synthesizer. Powered by two AA batteries We recommend Lithium ion batteries. The Heart of the PX is a Microprocessor running at 16 MHz. The Internal speaker is Mylar to be moisture resistant.

#### Features:

2048 word vocabulary:

Speech, with the ability to alter the Pitch Timber and tempo via computer software.

Built in EEPROM stores up to 400 words, spoken in the dictionary mode.

External Audio for amplified speakers.

RS-232 for remote control and additional software functions and features.

Using the PX, before you turn it on make sure you have installed the batteries correctly.

Turn on the PX about 1 second will pass the PX will flash all the lights in sequence then in groups of two. You will then here "Dictionary Mode" and the PX is running .... You will note the first led may flash But no speech is heard. The PX is sampling depending on the energy mode selected the PX may talk right a way or even sit quiet for extended periods of time. In the Dictionary Mode every word said is also saved up to the last 400 words may be replayed in the "Say all words Spoken Mode".

Mode 2 : Phonetic Speech Mode, from the first mode simply depress the Mode switch till the PX announces " Phonetic Mode". In the Phonetic mode the PX creates strings of phonemes the basic Individual sounds that makeup human speech. It's not unusual for the PX to create these phonetic Sounds no stop for several minutes before settling down, you may want to change the energy mode The PX is set in to create the desired result.

Mode 3: Reverse Phonetic mode, based on mode 2 this mode takes the last 10 phonemes produces and speaks the in reverse order. Much like using software to reverse an EVP.

Mode 4: Touch Mode, typically use this mode in Mid or High energy settings enter this mode and set the PX down. It will begin to make a PING sound like sonar. It make take a few minutes for it to calm down and stop PINGING. the Idea is to see if the device gets triggered giving off the PING sound The longer it's triggered the closer the PING sounds will be together.

Mode 5: Voice Change Mode, this is Dictionary mode with a couple of special sequences added When running in this mode the PX may change it's Voice Speed and Pitch.

Mode 6: In this mode the PX will start saying every word it has spoken "up to 400 words" Form the time it was turned on. It will start by saying the last word spoken prior to entering this mode.

Mode 7: Energy Mode, this mode allows you to change the sensitivity of the device First it will say "LOW" then beep and flash the first LED on the PX. It will Beep four times if you press the Mode Switch the PX will return to dictionary mode set in the LOW energy mode. Next the PX will say "MID" And begin the same beep and flash Press mode now and the PX will run in the MID energy setting. The Last prompt in the mode is "HIGH" and again four Beeps press mode now and your set to the High energy mode.

If you do not want to change modes simple allow the PX to finish the 3 mode and beep sequences It will the return to the dictionary mode on it's own without changing the energy settings.

Software, Current release is version 1.3 for the PC, The Software modes of the PX give the user access to creating custom energy mode settings

A dialog chat using the dictionary mode and the PC so the user may log there experience and see

The words spoken by the PX.

[The Current PX Manual](#)

[The Original PX Manual](#)

Computer Software for the PX:

Windows

Current Version 1.41 1/15/2011

[Click Here to download PX windows Version 1.41](#)

Current Version 1.30 5/10/2010 Either Version of PX

[Click here to download PX windows version](#)

\*\* The Original PX has an on/off switch, Audio Jack uses non amplified speakers only  
The new PX has push buttons , Audio Jack for amplified speakers