***OPTOELECTRONICS, INC***

***Video Sweeper User Guide***

**Battery Installation**

The battery compartment is located on the rear side of the Video Sweeper. Remove the battery cover and install the 4 NiMh AAA re-chargeable batteries that were included with the unit. Use the included power adapter to charge the batteries. Plug the charger in the jack labeled 5V on the bottom right side of the unit. For a full charge leave the adapter plugged in for up to 4 hours. The run time on a full charge is approximately 2 hours. There is a low battery LED located to the right on the top row of LED’s under the display.

There is a jack labeled Ext. Power for use with a mini USB to USB adapter for powering from the computer. Do not leave alkaline batteries in when using this cable, only use re-chargeable batteries.

**NOTE: You may also use 4 AAA alkaline batteries, but the power adapter should never be plugged into the unit while using alkaline batteries. Damage may occur and this will not be covered under warranty.**

**Turning the unit On**

The power switch is located on the center right side of the unit labeled 1 to turn on and 0 to turn off.

**Auto Scan**

After turning on, the Video Sweeper will automatically begin scanning from 900MHz-6GHz. There are two rows of LED’s under the display screen. The upper row indicates the band being scanned. The three blue LED’s separately represent the respective bands of 1.2GHz, 2.4GHz and 5.8GHz.

The lower row of 7 LED’s indicates scanning and signal lock. The green LED’s will scan back and forth until a signal is captured, at which point the Green LED’s stop scanning. the top row of d. urn off. om the computer. mately 2 hours. atte

**Signal Display**

When the Video Sweeper detects a wireless video signal the image will display on the screen and the frequency of that signal will be displayed in the bottom left corner of the display. The stronger the signal the longer the video signal will be displayed. The unit will continue to scan unless the signal is locked.

**Locking the Video Signal**

Once the Video Sweeper has detected a signal press and hold the + button located on the left side of the unit for 1.5 seconds. When the unit beeps one time that indicates that the video signal that is currently on the display is locked. The frequency display will blink.

**Fine Tune the Video Signal**

After the video signal has been locked press the +/- to tune the image to the best resolution possible. The frequency display will change with each press of the +/- button.

**Unlocking the Video Signal**

When ready to resume scanning press and hold the + button for 1.5 seconds to resume scanning. The Video Sweeper will beep one time indicating that the video signal has been unlocked. The LED’s will resume scanning again.

**Audio Demodulation.**

Once you have locked a signal and you wish to hear the audio of that signal plug the supplied earphone in to the AV Out jack on the right side of the unit. If you cannot hear the audio press and hold the – button for 1.5 seconds to shift the audio frequency. When you hear the unit beep once the an L will appear next the frequency readout indicating that the audio demodulation is 6.5MHz. Press and hold the – button again for another 1.5 seconds and an R will appear next to the frequency readout indicating that the audio demodulation is 6MHz. Most of the audio of wireless video cameras are 6 and 6.5MHz. If you do not hear any audio it may be that the camera does not have audio demodulation. Press and hold the – button and it will shift from 6MHz to 6.5MHz every 1.5 seconds.

**Audio/Video Output**

The jack labeled AV Out is shared with the earphone plug. Plug in the supplied A/V output cable and connect to a DVR to record the video signal.

**Signal Alert Mode Setting**

The Video Sweeper has three methods of alerting you to a captured signal. 1.) Beeper and Vibration, 2.) Vibration, 3.) Beeper. The default setting is beeper and vibration. To change the setting first turn the unit off. Next, press the – button and turn the unit on at the same time. Next, press the – button once and it will shift to Vibration mode and the Beeper mode. After you set it to the desired mode press the + and – minus button at the same time to save your setting.

**Specifications**

Frequency Range: 900MHz-3GHz and 5GHz-6GHz

Detection distance: Up to 200 feet depending on power output of camera

Alert Modes: 1.)Beeper and Vibrator, 2.)Beeper, 3.)Vibrator

Dimensions: 4.5” x 2.75” x 1.3”

Video Protocol: Auto switching for NTSC, PAL and SECAM

Weight: 8oz rugged hard plastic case

Battery: AAA NiMh supplied. May also use AAA alkalines

Operating Time: 2 hours after full charge / 8 hour charge time

Power: 5vdc switching power adapter

External Power Connection: 5v 1.5 amp mini USB to USB

**PRODUCT WARRANTY**

Optoelectronics, Inc. warrants all products and accessories for one (1) year against defects in materials and workmanship to the original purchaser. Products returned for warranty service will be repaired or replaced at Optoelectronics’ option.

Specifically excluded are any products returned under this warranty that upon examination, have been modified, had unauthorized repairs attempted, have suffered damage to the input circuitry from the application of an excessive input signal, have suffered damage to the charging circuitry or internal batteries from the application of excessive voltage, or show other evidence of misuse or abuse. Optoelectronics reserves sole right to make this determination.

No other warranties are expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. Optoelectronics, Inc. is not liable for consequential damages.

**WARRANTY**

Products under warranty must be returned, transportation prepaid, to Optoelectronics’ service center. All parts replaced and labor performed under warranty are at no charge to the customer.

**NON-WARRANTY**

Products not under warranty must be returned, transportation prepaid, to Optoelectronics’ service center. Factory service will be performed on a time and materials basis at the service rate in effect at the time of repair. A repair estimate prior to commencement of service may be requested. Return shipping will be added to the service invoice and is to be paid by the customer.

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