



# **SONIC GUARD**

## ***USB Mat***

### **User's Guide**



Dear Customer:

Congratulations on the purchase of your SONIC GUARD USB Mat. We hope you enjoy using our product as much as we enjoyed creating and developing it!

Please share your comments and suggestions to help us with our future solutions.

Thank you,  
The Larco Staff

Need Assistance?

Phone: (800) 523-6996

E-mail: [sales@larcomfg.com](mailto:sales@larcomfg.com)

Larco  
1902 13th Street SE  
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## Larco SONIC GUARD USB Mat FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.



### **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an output on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for assistance

## DECLARATION OF CONFORMITY

**Manufacturer's Name:** Larco, Division of ATEK Companies

**Manufacturer's Address:** 1902 13<sup>th</sup> St. SE, Brainerd, MN 56401 USA declares that the product:

**Product Name:** SONIC GUARD USB MAT

**Model Numbers:** ALL

Conforms to the following Product Specifications:

EN 55024: 1998 + A1: 2001 + A2: 2003

Information Technology Equipment – Immunity Characteristics



Larco Sonic Guard USB MATS are 100% inspected and tested to insure that each mat we produce complies with our demanding quality standards.

Varuni Novick  
President

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## Overview

Congratulations on your purchase of the SONIC GUARD USB Mat for locking your computer. Now, when you walk away from your system, you will benefit from a hands-free means of locking your computer.

The concept of the SONIC GUARD is easy to understand. Your computer simply “thinks” that the SONIC GUARD is a USB keyboard that is attached to your system. The SONIC GUARD sends programmable keystrokes to lock your computer when you leave the workspace. It’s that simple. No more unattended and unlocked computers. The SONIC GUARD will lock the system for you...and you can now do this *hands-free!*

The primary purpose of the SONIC GUARD is to detect two events. The most important is the detection of you leaving the defined work zone of your computer. When the SONIC GUARD detects that you have left the work zone, the unit sends the keystrokes necessary to lock your system. For example, when Windows 2000 users leave their workstations, they would normally hit the CTL-ALT-DEL-Enter key sequence to lock their systems. With the SONIC GUARD attached, the CTL-ALT-DEL-Enter keystrokes are automatically sent for the user.

The second event occurs when you return to your work zone. The SONIC GUARD can now detect this event and send some preparatory keystrokes for you. For example, on return to their computer, Windows 2000 users must hit the CTL-ALT-DEL\* key sequence to prepare the computer for the password entry. Again, with the SONIC GUARD attached, it will now send those keystrokes for you.

The device is simple to install and fun to use...so let’s get started!

## Installation

Before installing the SONIC GUARD, let’s first review the system requirements. The SONIC GUARD requires the following minimum system configuration.

### Minimum System Requirements

- Windows 98SE, ME, 2000 or XP
- Open USB port
- CD drive
- 200K free disk space

#### Note:

**If you do not have an available USB port as specified in the SONIC GUARD requirements, a USB hub will be needed.**

**\* CAUTION: Using CTL-ALT-DEL may cause issues during system startup if the mat is activated during this time. Make sure that the mat is clear when turning the computer on and remains clear until the log-on screen appears.**

## Attaching the SONIC GUARD USB Mat

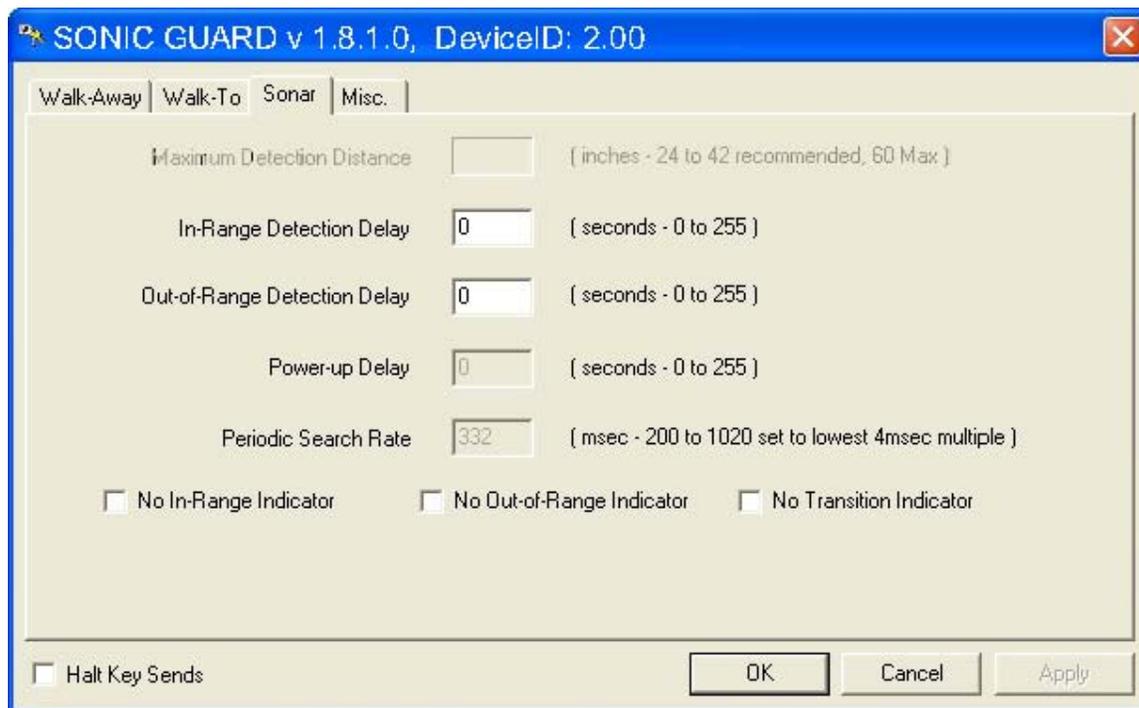
If your system meets these requirements, then attaching the USB Mat in your workspace is the next step. Connect the USB cable to an open USB port on your computer. Windows will load the appropriate USB keyboard drivers once the USB Mat is attached. If the USB Keyboard drivers are not currently resident on your system, you will be asked to place your Windows Operating System disk into your CD drive. Follow the directions provided by Windows during this install.

### Note:

**There are no USB drivers provided on the SONIC GUARD Configuration Disk. All USB drivers will be provided by the Windows 98SE, Windows 2000 or Windows XP operating systems.**

## Configuration

The USB Mat has several configurable settings that are controlled via the SONIC GUARD Configuration program. Place the supplied SONIC GUARD Configuration CD into your CD drive and run the supplied program (SonicGuard.exe). Click on the "Sonar" tab and you will see the screen below.



**Figure 2: SONIC GUARD Sonar Configuration Screen**

## Configuration: In-Range Detection Delay / Out-of-Range Detection Delay

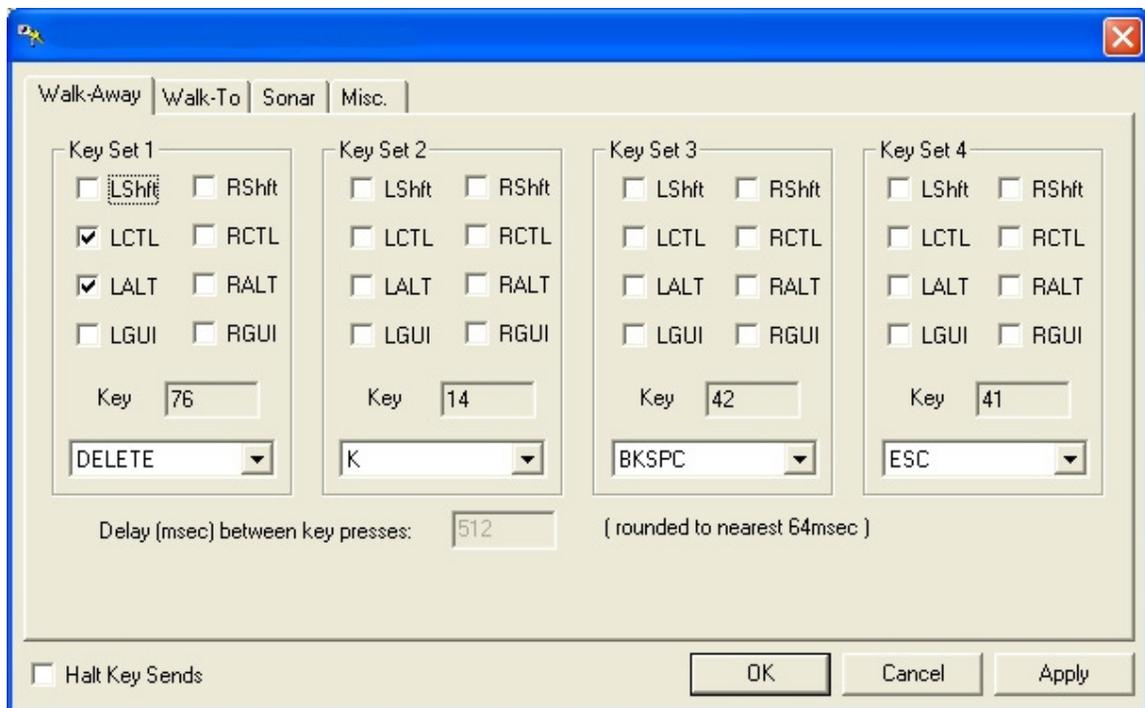
The USB Mat has programmable delays that suppress the immediate sending of the locking sequence. This is especially useful when using the USB Mat in a private office setting where you may leave the work zone briefly and not want the system to lock. The maximum settable delay is 255 seconds. After this delay time has elapsed, the programmable key sequences are invoked. The USB Mat has separate delay to handle both the “In-Range” and “Out-of-Range” events. Adjust the delay by specifying the value and clicking the “Apply” key. Adjust the settings to delays that work best for your work habits.

### **Important Note:**

**When using the USB Mat in a kiosk or standing workstation that have many users changing logins, it is best to use the absolute shortest delay possible (i.e. zero). This will ensure the computer will lock prior to the next user walking onto the mat.**

## Configuration: Walk-Away / Walk-To

As stated, the primary function of the USB Mat is to detect two events: when you walk away from the computer and when you return. The most important of these two events occurs when you leave your computer. During this event, the USB Mat can send to the computer a series of keystrokes that are configured in the device. These keystrokes can be up to 4 characters with modifiers (ALT, CTL, Shift). Click on the “Walk-Away” tab and you will see the screen below.

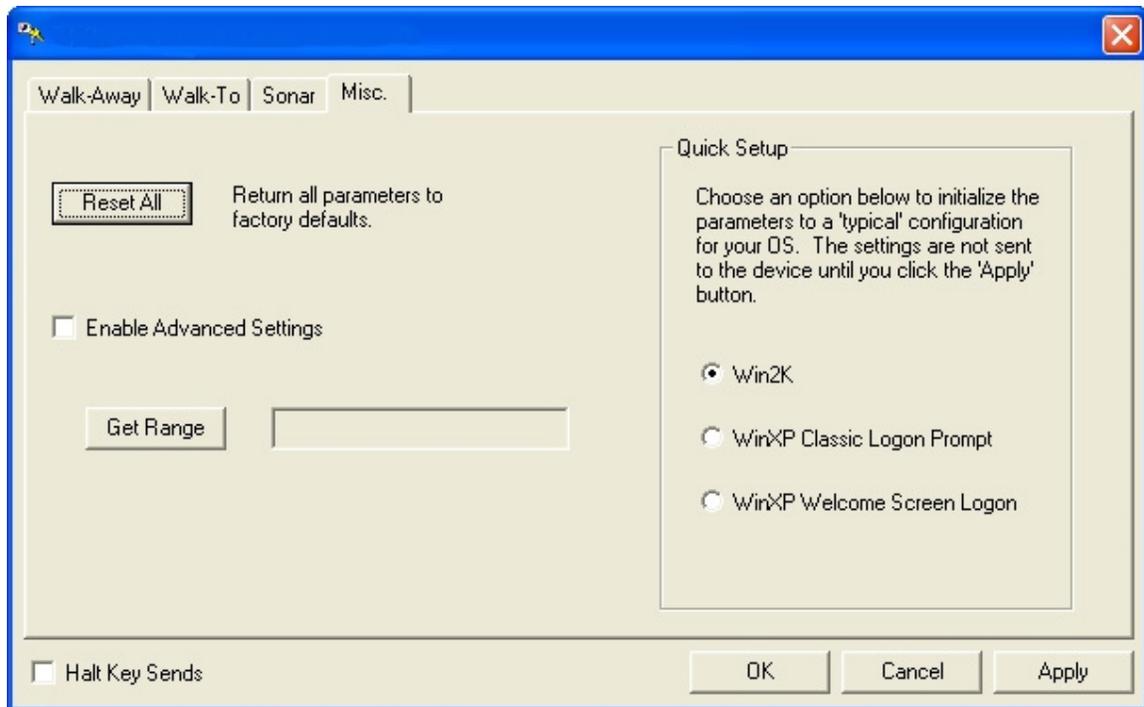


**Figure 4: SONIC GUARD USB Mat “Walk-Away” Configuration Screen**

In the above screen shot, the unit has been configured to send the **CTL-ALTDEL+K+Backspace** key sequence. This key sequence is used to lock Windows 2000 workstations.

**Note: The USB Mat units are shipped from the factory, without any keystrokes programmed into the device and therefore will not lock your computer until you configure the keystrokes.**

You will need to configure the USB Mat for the keystrokes you currently use to lock your computer. If you click on the "Misc" folder, there are some quick settings that will help get Windows 2000 and Windows XP users quickly configured with the most common settings for these operating systems.



**Figure 5: Misc. folder for Quick Configuration of Walk-To and Walk-Away Keystroke Settings**

By selecting the Win2K option the USB Mat will be set with:

**Walk-Away:** CTL-ALT-DEL+K+Backspace+Escape<sup>2</sup>

**Walk-To:** CTL-ALT-DEL

<sup>2</sup> The Backspace and Escape characters are sent to clear any entries made if the user does not log into the password dialog box prior to leaving the proximity.

By selecting the WinXP Classic Logon Prompt option the USB Mat will be set with:

**Walk-Away:** CTL-ALT-DEL+K+Backspace+Escape

**Walk-To:** CTL-ALT-DEL

By selecting the WinXP Welcome Screen Logon option the USB Mat will be set with:

**Walk-Away:** LGUI-L

**Walk-To:** None

Windows 98SE and Windows ME users will need to make a short-cut on the desktop to launch a screensaver. The shortcut needs to have a shortcut key assigned to it. This key is what needs to be assigned in the “Walk-Away” sequence. See Appendix I for this procedure.

After selecting your Quick Setting, be sure to click the “Apply” button to save your new settings.

**Note: Once you have set the USB Mat with keystrokes, these keystrokes will be sent during the next Walk-Away event. To prevent keystrokes from being sent while the configuration program is being used, click the “Halt Key Sends” check box in the lower left corner of the application screen. This will temporarily stop sending the keystrokes. This check box is cleared once the application has been exited.**

If you want, you can customize the key sequence by selecting the appropriate keys and modifiers for your particular usage. For example, you may choose to place the system in the log off mode or standby mode instead of simply locking the system. Simply configure the keystrokes to do these functions and click the “Apply” or “OK” button to save the new settings.

The “Walk-To” configurations functions similarly. Simply customize the “Walk-To” folder entries to your preferred settings and click the “Apply” button.

### **Configuration: Miscellaneous**

Under the miscellaneous folder, you can perform the quick configurations, as well as, reset the unit to its factory default settings. There is also an advanced settings tab that should only be used after speaking with Larco technical support.

## Appendix I

### **Configuration Notes for Windows 98/ME:**

Windows 98SE and Windows ME users will need to make a short-cut on the desktop to launch a screensaver. The shortcut needs to have a shortcut key assigned to it. This key is what needs to be assigned in the "Walk-Away" sequence. To create a walk-away short-cut:

Right Click on **My Computer** on the **Desktop**

**Left Click** on **Explore**

Find the **C Drive** and **Double Click** to **Open** it

Scroll down on the list of folders and find **Windows**

**Double Click** on **Windows** to **Open**

Scroll down on the list and find **System**

**Double Click** on **System** to **Open**

On the right side of the screen, **Click** on **Show Files**



Scroll through the list until you find "Scrolling Marquee"

**Right Click** on the **Icon (Scrolling Marquee.scr)** and choose **Send to Desktop**

This puts a **Shortcut** on your **Desktop** for the **Screensaver**

**Right Click** on the **Desktop Icon** created (**Scrolling Marquee.scr**) and choose

**Properties** at the bottom of the list

Choose the **Shortcut Tab** at the top

Go to **Shortcut Key**. Make sure the cursor is placed **after the e in the word "None"**

Now **press** the **Left Ctrl Button** on your keyboard and **while holding it down, press the F12 key**

The **Shortcut Key** is now changed from **None** to **Ctrl + F12**

## Appendix I (Continued)

Now press **Apply**

**Right Click** anywhere on your **Desktop**

Choose **Properties**

Now choose the **Screen Saver Tab** at the **top**

**Check** the **Password protected** box and **Click** on **Change**

Choose **password**

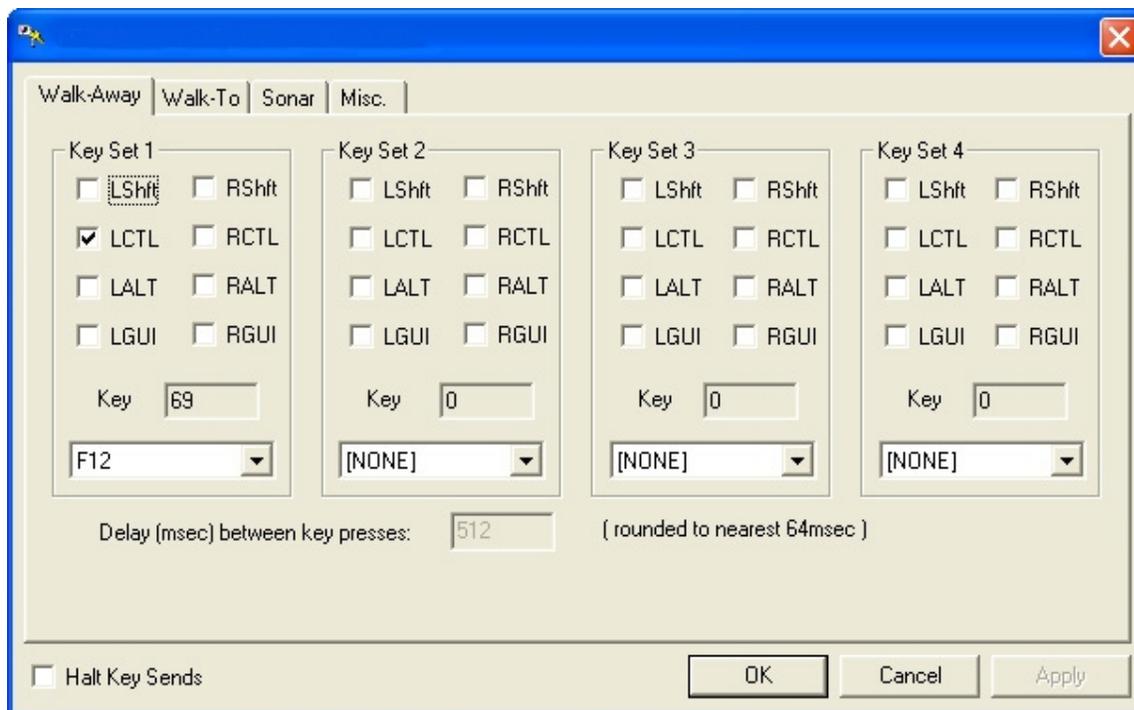
Click **Apply** and **OK**

This password will now be required to unlock the screensaver.

Launch the SONIC GUARD configuration application and select the **Walk-Away** tab.

Set the walk away key sequence to CIt-F12. See screen below.

*Your computer should now launch the screensaver when you leave the proximity of the computer.*



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