



**Owner's Manual**  
**SX-IVB Security System**





Interactive Technologies Inc.

## SX-IVB OWNER'S MANUAL

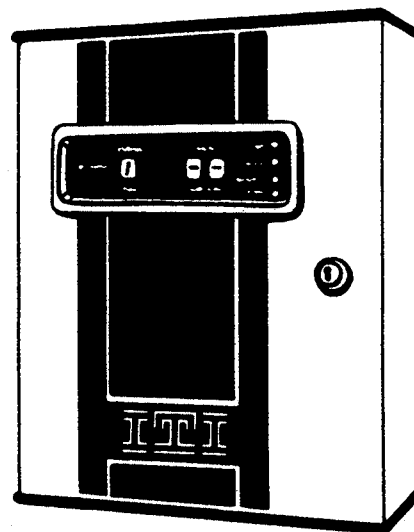
Congratulations on your decision to invest in an SX-IVB Security System from Interactive Technologies Inc. The SX-IVB System is a supervised, wireless security system that will give your home or business many years of reliable, trouble free protection. The following pages will introduce you to the SX-IVB and instruct you in its use. Please keep this manual in a convenient location for future reference.

### UNDERSTANDING YOUR SX-IVB SYSTEM

#### CENTRAL PROCESSING UNIT

The heart of your ITI Security System is the Central Processing Unit (CPU). Typically placed in a secure but conveniently located area within your home or office, the CPU is controlled by radio signals from the portable Wireless Touchpad. You can use the Wireless Touchpad from anywhere in your home or business to choose the level of protection that you want, as well as to test your system and activate manual emergency alarm signals.

The Central Processing Unit not only listens for instructions from the Wireless Touchpad, but it constantly monitors incoming signals from individual protection sensors that can detect an intruder, fire, medical emergency, furnace failure, etc. The protection level you select via the Wireless Touchpad determines which sensors will be on guard at any particular time.



Not only does the CPU monitor emergency signals, but it is constantly monitoring test signals that are sent from every sensor several times each day. Should one of the sensors fail, or one of the batteries begin to get weak, that information will be shown on the CPU display panel as well as be reported to the Central Monitoring Station for further action. When the Central Monitoring Station receives a signal from the CPU, they not only know whether it is a trouble signal or an alarm signal, but they know the exact sensor that caused the report. This way, when the authorities or service people are dispatched, they can be told exactly which sensor initiated the alarm signal or trouble call.

The CPU is connected to the Central Monitoring Station via your phone system.

#### WIRELESS TOUCHPAD

Your Wireless Touchpads are used to control the various features of your security system. There are eight arming levels available, built in panic buttons, two test functions and a variety of other capabilities that are all controlled from your Wireless Touchpads.

## DOOR/WINDOW SENSORS

These sensors, which detect the opening and closing of doors or windows, will be professionally installed throughout your home or business at strategic locations designed to detect an intruder. Special locations, such as drawers, display cases, and firearms cabinets, may also be protected with these sensors.



## PASSIVE INFRARED MOTION SENSORS

Passive Infrared Sensors are installed on the inside of your home or business. They are designed to alert the Central Processing Unit of an intruder that enters a monitored interior area. In a home, Passive Infrared Sensors are usually used to protect valuables in the living room, dining room, or master bedroom area. In a business, Passive Infrared Sensors are strategically placed to protect valuable inventory, cash registers, safes, etc.

## SMOKE SENSORS

Smoke sensors can also be part of your protection system. In a home, it's desirable to have one smoke sensor on each level of your home, especially outside all bedroom areas.

## SOUND SENSORS

Sound sensors actually "hear" the high pitched noise caused when an intruder breaks glass or splinters wood to gain entry.

## SHOCK SENSORS

Shock sensors mount on the window frame and detect the shock caused by an intruder who breaks through a window to gain entry.

## PORTABLE PANIC BUTTONS

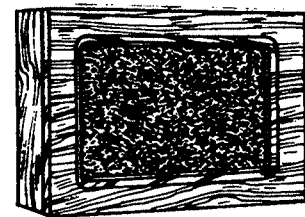
Small hand held Panic Buttons can be programmed to transmit a police or medical emergency signal when activated.

## ENVIRONMENTAL DETECTORS

In addition, a variety of temperature, gas, humidity, furnace failure, and water detection sensors are available for complete environmental monitoring.

## INTERIOR SIRENS

Interior sirens (wired or wireless) can be placed in various locations in your home or business, to alert you of an emergency and frighten away an intruder. Following is a summary of the interior siren emergency sounds:



### EMERGENCY ALARM SOUNDS

Emergency Fire Alarm - loud steady-tone siren

Emergency Intrusion Alarm - loud intermittent siren

Auxiliary (usually Medical) or Environmental Alarm - continuous low level beeping sound.

## PROTECTION LEVELS

The SX-IVB Security System, from the Wireless Touchpad, can be armed to eight different protection levels, as described below.

### LEVEL "0" - DISARM/CANCEL (1 Long Beep)



All burglary protection disarmed. All 24 hour detectors (panic buttons, fire detectors and environmental detectors) are armed in this protection level and in levels 1 through 8.

### LEVEL "1" - SPECIAL (1 Short Beep)



Your "SPECIAL" belongings are protected. Typically used to protect the contents of safes, gun cabinets or silver cabinets. This protection remains on for protection levels 1 through 8. In addition, all 24 hour detectors will be armed.

### LEVEL "2" - CHIME (2 Short Beeps)



A "chime" will sound whenever an exterior door or window sensor is opened. In addition, any "SPECIAL" and all 24 hour detectors will be armed.

### LEVEL "3" - EXTERIOR (3 Short Beeps)



All exterior doors and window sensors will be armed. A delay period will allow you time to enter or leave the protected area. The delays will apply in levels 3, 4, 5 and 6. In addition, any "SPECIAL" and all 24 hour detectors will be armed.

### LEVEL "4" - AWAY (4 Short Beeps)



All sensors (both exterior and interior) will be armed. A delay period will allow you time to enter or leave the protected area. In addition, any "SPECIAL" and all 24 hour detectors will be armed.

### LEVEL "5" - SILENT/AWAY (5 Short Beeps)



Same as level "4" except the sirens WON'T sound during a break-in. Sirens will sound if there is a fire or panic alarm or if there is an alarm & the phone lines aren't working. For personal safety reasons, never arm your system to level 5 if anyone is at home.

### LEVEL "6" - NIGHT (1 Long and 1 Short Beep)



For use at night while your family sleeps. Arms all exterior sensors and selected interior ones. Sensors in the bedroom & bath area are usually left off in this level, while interior sensors elsewhere in the home are usually armed. Delays are in effect.

### LEVEL "7" - INSTANT/NIGHT (1 Long and 2 Short Beeps)



Same as protection level "6" except there are no entrance or exit delays. The system will arm instantly and sound the alarm instantly if any sensor detects an intruder. Typically used at night after everyone is home.

## OPERATING INSTRUCTIONS

### HOW TO "ARM" YOUR SYSTEM

From a WIRELESS TOUCHPAD, enter your four number ACCESS CODE immediately followed by the number of the Protection Level desired.

To assure proper arming, listen for the correct number of STATUS BEEPS, which will sound from most interior siren locations.

### "PROTEST" BEEPING SOUND

If you hear repeated, two-tone PROTEST BEEPS when you attempt to arm your system, this probably means a door or window has been left open. The number of the open door or window that should be closed before re-arming will be displayed on the front of the Central Processing Unit (and on any remote displays) along with all four red lights. You should simply close the open sensors. The Protest Beeping will stop as soon as they are closed. **Then, rearm the system.**

If you find that the system says a sensor (door or window) is open, when in fact it is closed, then you must reopen and close that sensor (door or window) to reset the CPU.

### DIRECT BYPASSING

Another way to bypass is called DIRECT BYPASSING. First, you determine the sensor number that you want bypassed. Second, arm the CPU to the desired protection level. Finally, enter your 4 digit ACCESS CODE + BYPASS + the sensor number you want bypassed. Using direct bypassing you can bypass any sensor number, including motion sensors and smoke sensors. Multiple sensors must be bypassed one at a time.

### BYPASSING AN OPEN DOOR OR WINDOW



If you wish to arm your system with a door or window purposely left open: (1) Enter your four number access code immediately followed by the number of the protection level desired. (2) When the two-tone PROTEST BEEPS begin to sound, quickly press the BYPASS button.

### HOW TO DISARM YOUR SYSTEM



From a WIRELESS TOUCHPAD, enter your four number access code immediately followed by the CANCEL/DISARM button ("0"). ALWAYS DISARM YOUR SYSTEM TO LEVEL 0. For example, DON'T go directly from Level 4 or 3 to Level 2 or 1. Instead, go directly to Level 0 (disarm) first, then select the new level.

### HOW TO CANCEL AN ACCIDENTAL ALARM

From a WIRELESS TOUCHPAD, enter your four number access code, immediately followed by the CANCEL/DISARM button ("0").

## SPECIAL FEATURES

### STATUS BUTTON



If you are not within sight of a display you can determine the current Protection Level by simply depressing the STATUS button. Listen to and count the STATUS BEEPS which will sound from most interior siren locations.

### ALARM MEMORY

If you are within sight of a display when you push STATUS, you can tell if there was an alarm during the previous arming period by watching to see if any sensor numbers appear on the display. If the display stays blank then there were no alarms. Any alarms in memory will be erased six hours after returning home and deactivating the system. Or, if you wish you can erase the memory immediately by arming to level 9.

### EMERGENCY ALARM BUTTONS



**STANDARD WIRELESS TOUCHPAD** - If you have an emergency you can sound the sirens and notify the Central Monitoring Station by simultaneously pushing both POLICE buttons, both FIRE buttons or both AUXILIARY buttons on the standard (wood frame) Wireless Touchpad for 1 full second.



**MINIATURE WIRELESS TOUCHPAD** - With the miniature hand held Wireless Touchpad you can activate the police alarm by simultaneously pushing the POLICE button and the ALARM button. You can activate the auxiliary alarm by simultaneously pushing the AUXILIARY button and the ALARM button for 1 second.

### TEMPORARY ACCESS CODE

To activate a second access code for temporary use by a babysitter, etc. (1) Enter your regular access code, (2) Press the STATUS button, (3) Enter the desired four number secondary access code. You will hear the current Protection Level tones sound if the secondary Access Code is accepted. If not, try again.

To void the secondary access code, enter your regular access code, press the STATUS button, then enter your regular access code again.

The temporary code CANNOT be used to Direct Bypass sensors.

### DURESS CODE

You may, at any time, notify the police secretly and silently of an emergency. This can be done by using the special Duress Code. This code, which was selected by you at the time of installation, is used in the following manner: Enter your special four digit Duress Code and then select any protection level.

Your Duress Code works exactly like your regular access code except that in addition to changing the Protection Level, it also sends a silent emergency signal to the Central Monitoring Station so the police can be dispatched. For your safety the Duress Code will not display when in alarm.

**Warning** - Be sure to never confuse your Duress Code with your regular access code because a Duress Code can never be cancelled.

## TESTING YOUR SYSTEM

To assure continued protection, any alarm system must be tested regularly. We recommend testing your system at least once a week. The SX-IVB system provides two test levels which allow thorough and easy testing of all system components.

### LEVEL "8" - PHONE TEST (1 Long and 3 Short Beeps)



The telephone communications link to the Central Monitoring Station can be tested by selecting Protection Level 8 to initiate a test call. The telephone communications link test is complete when the Central Station causes your sirens to sound their alarm sounds for a few seconds; or when the Central Station operator calls to verify the successful test. In addition, the display will change from Protection Level 8 to Level 0 when the test is complete.

### LEVEL "9" - SENSOR TEST (1 Long and 4 Short Beeps)



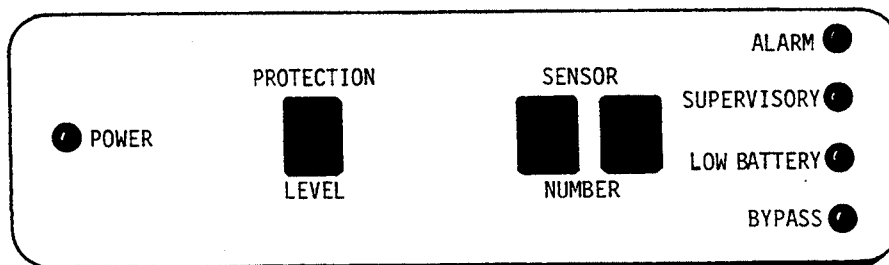
Protection Level 9 is used to test communications between the sensors and the CPU. When in Level 9, any displays will automatically scroll the numbers of every sensor in your system. Deliberately trip each sensor, including the manual fire (Sensor #80), police (Sensor #81) and auxiliary (Sensor #82) buttons on the Wireless Touchpads. As the CPU receives the "I'm O.K." signal from each one, that number is removed from the display and the Sirens will emit a short loud beep. (In addition, Smoke Detectors have their own internal horn which will sound when tested.) The test is complete when all sensors have been tested and no numbers are displayed on the CPU.

While in Protection Level 9, your Central Processing Unit automatically disconnects itself from AC power and will operate on its own emergency battery.

NOTE: During the Protection Level 9 Sensor Test, the SX-IVB system cannot call the Central Station and affords no protection except Duress Code calls. For this reason, 15 minutes after this level is selected, the CPU automatically selects Protection Level 0, restoring basic protection.

## CENTRAL PROCESSING UNIT DISPLAY WINDOWS

Every sensor in your system is monitored silently and automatically by the CPU. Any alarm or abnormal functioning of the system will be shown as follows on the CPU display and on any other remote displays.



**ALARM** - The identifying number of the sensor in alarm is displayed in the Sensor Number window while the ALARM light is on.

**SUPERVISORY** - Should a sensor fail its automatic daily test transmission to the CPU the SUPERVISORY light will be on and the failed sensor number will show in the Sensor Number window.



## Central Processing Unit Display Windows - Continued...

**LOW BATTERY** - Should a sensor battery's power level become low, the LOW BATTERY light will come on and the appropriate sensor number will appear in the Sensor Number window. Low batteries should be replaced immediately.

**BYPASS** - If you purposely Bypass one or more sensors (see Page 4), the sensor number will appear in the Sensor Number window and the BYPASS light will shine.

**NOTE:** The Central Processing Unit can optionally notify the Central Monitoring Station when an Alarm, Supervisory or Low Battery condition is present.

## TROUBLESHOOTING

### AC POWER FAILURE

Your CPU has an emergency power supply that will last up to 15 hours during a power failure. When the power returns the batteries will automatically recharge themselves to full capacity.

After about 15 minutes without power the display will go blank to conserve power.

If you want to know if your system is still operative during a power failure, simply press STATUS and listen for the beeps. If you hear the status beeps everything is O.K. **DO NOT test your system by entering Level 9 during a power failure or a major system failure may occur.**

### MAJOR SYSTEM FAILURE

Although it is unlikely, should your system become disabled the CPU panel Main Power Switch (located in the lower center of the circuit board) should be switched to OFF (down). Call your service representative.

### DISRUPTED TELEPHONE SERVICE

Should you find your telephone inoperative, check to see whether your SX-IVB system is plugged into the special telephone jack which links it with the Central Station. If so, disconnect this plug. If the telephone is still inoperative, then you will know the problem lies with the telephone system and not with the SX-IVB system.

Telephone connection **MUST** be reestablished to provide alarm communications.

### ANNUAL BATTERY CHANGE

You must change all the transmitter batteries in the system every 12 to 18 months. Usually, between 12 and 18 months after your system is installed, you will get your first low battery report. This is a signal to change all the batteries in the entire system. Replace with fresh, **ALKALINE** Duracell 9 volt batteries. It is important to replace all batteries because as batteries get old they become subject to sudden failure.

## Troubleshooting - Continued...

### INTERFERENCE

This equipment generates and uses radio-frequency energy and has been tested and found to comply with the limits for radio transmitter and receiver devices in subparts C and E of Part 15 of FCC rules. Some transmitters manufactured by Interactive Technologies Inc. are sold under a waiver of FCC Rules. Any interference that may be caused should be reported to Mr. James Kaczrowski at Interactive Technologies, Inc. 2266 North Second St., North St. Paul, MN 55109, (612) 777-2690.

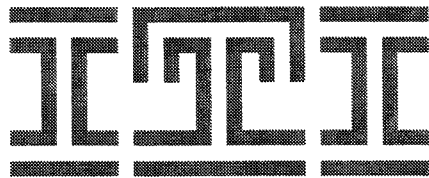
### WARRANTY

Interactive Technologies Inc. extends a limited warranty to its wholesale customers who buy direct from ITI. ITI does not warrant its products to consumers. Consumers should inquire from their selling dealer as to the nature and extent of the dealer's warranty, if any.

### SERVICE

If you have any questions about your SX-IVB security system, or if you ever need service, contact your the local alarm dealer who installed your system.





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