

Rex **PLUS**®

**The Electronic Watchdog
That Never Sleeps!**

We protect the things that protect you.®



ED-50



**Safety Technology
International, Inc.**

Like father, like son. Introducing the next generation of Rex, the famous barking dog alarm. In addition to the sound of a ferocious, attack dog, Rex Plus offers the sounds of the rainforest. Choose the sound that suits you best. Try the continual sounds of the rainforest, or the option that allows you to use these same sounds as an annunciator. Another option includes an angry, barking dog followed by the sound of a siren for 20 seconds. Rex Plus is versatile and provides an excellent way to deter burglars, without the annoying problems of owning a real dog. With his electronic radar eyes, Rex Plus can “see” through doors, walls and glass. And once his cord is plugged into any standard 110 VAC electrical outlet, he will stay on duty around the clock, indefinitely.

Rex Plus® Features Include

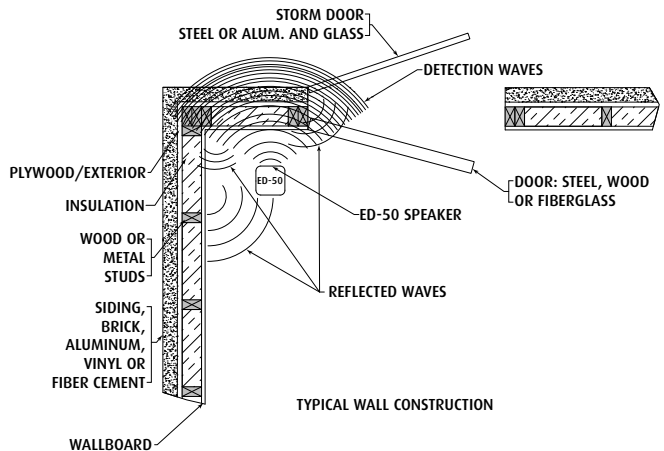
- Your choice of four sounds:
 - Continuous sound of the rainforest
 - Barking sound of a ferocious attack dog
 - Sounds of the rainforest to announce the arrival of visitors
 - Barking dog and warning siren
- Very realistic - barking gets more frequent as movement gets closer.
- Switches from the watchdog to the tranquil sounds of nature with the simple slide of a switch.
- Senses movement through walls, doors and glass.
- Variable distance sensitivity (up to 30') as well as volume control.
- No installation required.

Operation Instruction

1. Insert the adaptor plug into the unit, then plug AC adapter into outlet.
2. Choose the feature you wish by adjusting the switch on the back of the unit.
 - a. Rainforest (sound is continuous).
 - b. Watchdog - Detects moving objects. When Rex “sees” movement, barking gets more frequent.
 - c. Rainforest (entrance chime) - As the visitor approaches, the unit will sing the melody to announce the arrival of visitors.
 - d. Watchdog and Warning Siren - When Rex “sees” movement, the device will bark and a siren will alarm for 20 seconds.
3. Turn on the “VOLUME” switch and adjust the required “RANGE.”

Note: Generally, the “RANGE” is adjusted to its maximum before delivery. Therefore, it needs no further adjustment. In case it is too sensitive, turn the knob in a counter-clockwise direction to reduce the range.

Operation Instruction Caution: Rex Plus is designed for use indoors. The unit should be placed at a height of 3-5 feet from the floor to obtain the widest range of detection. The position and sensitivity may be adjusted until optimal performance is reached. Setup may take time and patience.



Detection Efficiency

Rex Plus's radar waves can detect through a variety of materials with maximum efficiency. The following chart serves as a guide.

MATERIAL	EFFECT ON RANGE
Glass	medium reduction
Wooden (Hollow) Doors	slight reduction
Plaster Walls	medium reduction
Metal (steel, bronze, aluminum)	heavy reduction (detection is possible when metal is moving or there is a clearance)
Curtain Material	slight reduction
Fiberglass or Plastic	medium reduction
Paper Cartons	slight reduction

Electrical Specifications

Rex Plus consumes very little electrical power when in the “detecting” mode, but uses more power when barking.

Power Supply	12 VDC, 100 mA
Frequency	2.4 GHz
Net Weight (lbs.)	2.2 lbs., including AC adapter
Power Detecting	0.22 Watts
Power Barking	2.6 Watts
Size (inches)	6" long x 5 1/8" wide x 7 1/2" high

General Performance

Distant approach	single or several barks
Medium distance	single/multiple barks
Close approach	fierce, continuous barks

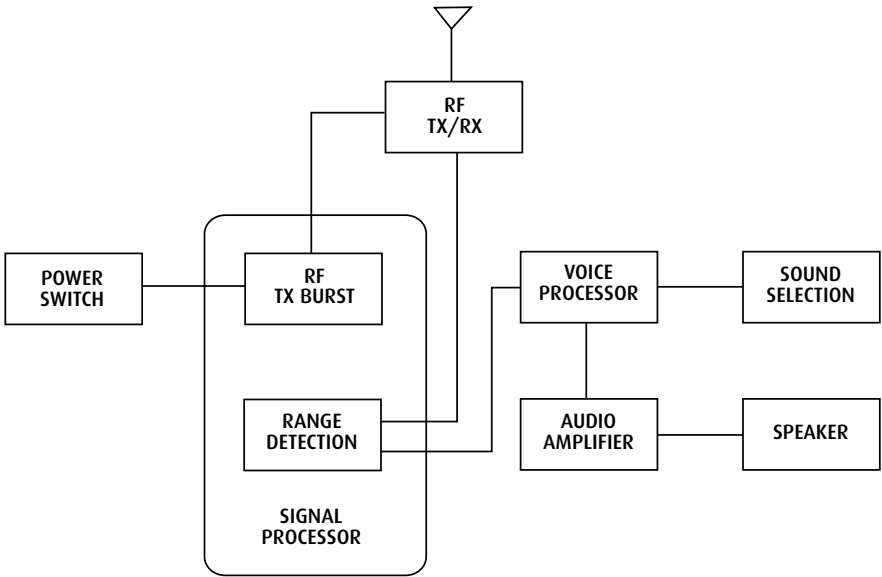
The ED-50 microwave operates at 2.4GHz. This is the same frequency as microwave ovens and home WiFi. These devices can and may cause occasional false triggers of the ED-50. Microwaves reflect off all surfaces causing detection inside a room. The higher the sensitivity is set, increased microwave reflection may occur. Operation or placement in an unoccupied room may optimize performance.

Warranty

Safety Technology International, Inc. warrants to the **original** consumer/purchaser that this product shall be free of defects in material and workmanship under normal use and circumstances for a period of ninety (90) days from the original date of purchase.

Electronic warranty form at www.sti-usa.com/wc14.

FCC Approval



This device may not cause interference. This device must accept any interference, including interference that may cause undesired operation of the device. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. 1. "Watch-Dog" is a structure of "RF TX/RX" device that transmits an RF signal, then detects the reflecting RF signal and senses the range. It then converts the signal to an audio alarm voice. The carrier frequency is generated by an LC resonant circuit "TR8", "L3", "C34". Center frequency is 2.4G Hz, ASK/100% modulated, 4K modulation signal, 1/10 duty. 2. The power switch is used to control the "Watch-Dog" system power. 3. Within the signal processing module, there is a "RF TX burst" section. It will generate a burst pulse to control the RF module and then turn the RF transmission on. 4. When an object comes within detection range, it will reflect the RF energy back to the RF receiver. 5. The RF receiving module will demodulate the RF signal to the "signal-processing" module. 6. The range detection section will process an incoming signal and then send it to the "voice processor." 7. The "voice processor" will send a different sound based on the "sound selection switch." It will transmit from the "audio amp" to the speaker.

Made in Taiwan.



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