

STI 4-Channel Receiver

Model: STI-34104

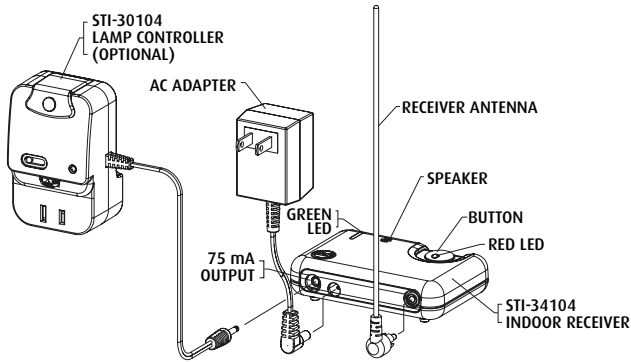
Thank you for purchasing the STI 4-Channel Receiver. Your satisfaction is very important to us. Please read this manual carefully to get the most from your new product.

How the Product Works:

STI offers multiple wireless products designed to alert you of several different conditions. The 4-Channel Receiver allows you to monitor up to 4 different STI devices at a single convenient location. The STI wireless alert series uses a system to ensure other non STI devices are enrolled or detected (eliminating accidental enrollment, alerts or crosstalk). The STI 4-Channel Receiver allows you to sound a chime, mute the chime to monitor in silence mode or turn on an external 12 VDC output. It also uses alert latching which will keep the alert indicator on if the SENSOR is still in the alert state.

Before You Start:

Refer to this drawing to become familiar with all parts.



4-Channel Receiver STI-34104

Receives up to 4 different STI Wireless Alert Series Sensors

Clearing the RECEIVER memory:

Follow before using the RECEIVER for the first time or if RECEIVER does not respond as expected. Programmed devices will always remain in memory, unless this procedure is followed (even if power is lost).

1. Be sure the antenna is in the red connector on the RECEIVER.
2. Disconnect power from RECEIVER and wait for 15 seconds.
3. Reconnect power to the RECEIVER, the RECEIVER will make a start up tone and the green LED will flash.
4. Immediately press (RECEIVER will beep) **and hold** the grey button. You will hear a second single beep (approx. 2-3 seconds). Continue to hold (approx. 3 more seconds) until you hear a double beep, then let go of the button. The red LED should be solid.
5. Press and hold the button again until you hear a long tone, then let go of the button.

NOTE: if you do not get the long tone (example, short beep) then begin again at step 2 until the long tone is heard.

6. Disconnect power and wait another 15 seconds prior to following ENROLL A SENSOR.

Enroll a SENSOR:

These steps should be followed to program devices into the RECEIVER.

1. Plug antenna into red connector on the RECEIVER.
2. Plug in the RECEIVER and **wait until the start up tone finishes.**
3. Immediately press (RECEIVER will beep) **and hold** the grey button until you hear a second single beep (approx. 2-3 seconds), then let go of the button.
4. The red LED should be solid. You now have 60 seconds to enroll all SENSORS.
5. Trigger a SENSOR (examples: open cover, separate reed switch, tilt, etc.). When the wireless signal is received the green LED on the RECEIVER flashes and the RECEIVER makes a double beep. If you have additional sensors, repeat this step. When you have enrolled all SENSORS go to Step 6.
6. To exit enroll mode, press and release the button on the RECEIVER.
7. Test a SENSOR by triggering the SENSOR. The RECEIVER should beep once, twice, etc. then make the alert tone. If your RECEIVER does not respond correctly after these steps, follow the steps in the section named "Clearing the RECEIVER memory" and "Enroll a SENSOR."

RECEIVER Modes of Operation:

Normal Operating Mode

When signal is received from a device, a short alert tone will play and the red LED on the RECEIVER will flash (until a restore signal is received from the device and the RECEIVER is reset). The green LED may flash periodically to indicate routine signals are being received. This does not mean a device has been triggered.

To reset the RECEIVER, press and release the button. If more than one SENSOR is being used and is triggered, the RECEIVER will beep twice, three times, etc. before playing the alert tone to indicate which SENSOR was detected by the RECEIVER.

Temporary (8 Hours) and Permanent Silent Modes

These modes may be entered ONLY while the RECEIVER is in normal operating mode. Once in silent mode, if there is a power outage, the RECEIVER will stay in silent mode until exited. While in silent mode, the red LED will change from continuous to flashing when a transmission is detected.

Entering Temporary Silent Mode - **Press and hold** the button on the RECEIVER until you hear a second beep (approximately 3 seconds). Red LED will be on solid.

Entering Permanent Silent Mode - **Press and hold** the button until the RECEIVER makes a series of two short beeps (approximately 6 seconds). Red LED will be on solid.

Exit Silent Mode - **Push and hold** the button until you hear a single beep to return to normal operating mode.

Low Battery / Tamper / Out of Range Alert:

For any of the following conditions, the RECEIVER annunciates once per minute with a number of beeps indicating which SENSOR has trouble (i.e. 1 beep for the first, 2 beeps for the second, etc.)

1. SENSOR has a low battery
2. Something has triggered the tamper signal on SENSOR
3. SENSOR has been out of range (between 12 - 24 hours)

This will continue until either:

1. The RECEIVER gets a normal operation message from the SENSOR
2. SENSOR is cleared from RECEIVER memory

Transistor Output Jack:

This output can trigger a low powered device such as a relay or the STI Lamp Controller (STI-30104). The output is a 3.5mm mono jack and is polarity sensitive. Output will supply 75mA at 12VDC for three seconds.

Optional Lamp Controller Accessory:

The lamp controller plugs into the transistor output jack and will turn on a lamp any time your SENSOR is triggered. Never come home to a dark house again, and let others think you are home when you aren't.

Trouble Shooting Tips:

The RECEIVER does not power up (green LED is off)

1. Check the AC power outlet for power
2. Check that the AC Adapter is plugged into both the RECEIVER and wall outlet
3. Try another AC adapter (12V DC 100mA only) with a +12 VDC center and -12 VDC outside edge

The RECEIVER does not sound when a SENSOR alert is triggered

1. Check that the RECEIVER is not in Temporary or Permanent Silent Mode
2. Check if the RECEIVER is sounding a SENSOR alert (1/minute)
3. Trigger the SENSOR to check that the SENSOR and RECEIVER are within operating distance from each other
4. Check the SENSOR batteries and replace if necessary
5. Reprogram the RECEIVER using the steps in **“Clearing the RECEIVER memory”** and **“Enroll a SENSOR”**

The RECEIVER sounds when there should be no alert from the SENSOR

1. Check that the SENSOR is mounted firmly with the correct orientation
2. Reprogram the RECEIVER using the steps in **“Clearing the RECEIVER memory”** and **“Enroll a SENSOR”**

The RECEIVER sounds when lightning strikes

1. This may occur in severe weather, especially for SENSOR's mounted outside

The RECEIVER gives short beeps

1. Trigger the SENSOR to check that it is not too far away from the RECEIVER
2. Check that the SENSOR is not damaged
3. Replace the batteries in the SENSOR

Important Notice:

This product has been tested and complies with the specifications 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 according to 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 is found 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 or devices
- Connect the equipment to an outlet other than the RECEIVER's
- Consult a dealer or an experienced radio/TV technician for assistance

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Changes or modifications not expressly approved by Safety Technology International, Inc. could void your authority to operate this equipment.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Model: 34104 IC: 6550A-34104

FCC ID: TXL34104

Warnings:

FOR INDOOR USE ONLY. This unit CANNOT be used with 3-prong grounded plugs. Do not connect RECEIVER to any heat producing device. Keep RECEIVER away from water and/or damp areas. To prevent electric shock, match wide blade of plug to the wide slot of outlet and insert completely.

When using lamp controller option, use ONLY 200 Watt or less incandescent lamps, and keep lamp away from bed coverings, curtains or other flammable materials as this may present a fire hazard.

Warranty Information:

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 one (1) year from the original date of purchase.

Technical support:

Contact STI at 800-888-4784 ext 202.

Accessories:

STI-34201	Wireless Mailbox Alert Sensor
STI-34301	Wireless Garage Sentry Sensor
STI-34401	Wireless Universal Alert Sensor
STI-34501	Wireless Pool Access Sensor
STI-34101	Solar Powered Driveway Monitor Sensor
STI-34151	Battery Powered Driveway Monitor Sensor
STI-34104	4-Channel Receiver
STI-34108	8-Channel Receiver
STI-34106	Keyfob
STI-34105	Voltamax 12 VDC (500mA) Power Supply
STI-30104	Lamp Controller
STI-30105	Extended Antenna



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