

# STI 4-Channel Receiver

Model: STI-34104

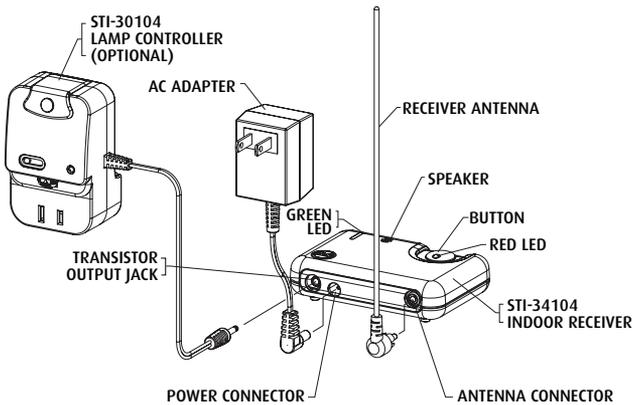
Thank you for purchasing the STI 4-Channel Receiver. Your satisfaction is very important to us.

## 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 sensors at a single convenient location. The STI wireless alert series uses a system to ensure other non STI sensors are not enrolled. The STI 4-Channel Receiver allows you to latch any alert until reset.

## Before You Start

Make sure to read all instructions per task prior to beginning. 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

## Program a Sensor

1. **Plug antenna into the antenna (red) connector on the receiver.**
2. **Plug adapter into the wall.**
3. **While holding down the receiver button, plug the adapter into the 4-Channel Receiver.** A series of beeps/tones will begin playing. Release button when beeps/tones finish. The red and green LED's will flash quickly. The receiver is now in program mode and you have 1 minute to program all sensors.
4. **Activate a sensor** to program into 4-Channel (refer to your sensor instructions). A tone or series of beeps will sound representing the channel the sensor programmed into (i.e.: one beep is zone 1, two beeps is zone 2, etc.).
5. If more sensors are to be programmed, repeat step 4.
6. After programming sensor(s), wait a minimum of 5 seconds, press receiver button to exit Program Mode or receiver will exit program mode automatically within one minute.

## Notes

- Test a sensor by activating the sensor (refer to Sensor Instructions). The receiver should beep once, twice, etc. then make the alert tone. If your receiver does not respond correctly see trouble shooting tips.
- Additional sensors can be programmed without clearing receiver memory using “Program a Sensor” instructions.
- At least 5 seconds is needed after activation before pushing the receiver button for any function.
- Programmed sensors will remain in memory, unless clearing procedure is followed (even if power is lost).
- Sensor alert status will be lost if receiver loses power.

## Clearing the Receiver memory

1. **Disconnect power from receiver** and wait approximately 15 seconds.
2. **Reconnect power to the receiver**, the receiver will make a start-up tone. The green LED will be solid.
3. **Within 3 seconds press and hold down the receiver button**, you will hear a series of beeps/tones. When you hear a continuous tone, let go of the button; the sensors are cleared.

## Receiver Modes of Operation

### Normal Operating Mode

When a sensor is activated, short beeps will sound just before the alert tone to identify the activated sensor (i.e. 1 beep = channel 1, 2 beeps = channel 2 etc.), then the red LED on the receiver will flash indicating which channel has been alerted (i.e. 1 flash = channel 1, 2 flashes = channel 2). The green LED will flash periodically to indicate routine signals are being received. This does not mean a sensor has been activated.

If more than 2 sensors have been activated at the same time, the receiver will only give short beeps for two activated sensors. The red LED will flash indicating all channels which have been activated. Once the sensor is restored to normal condition, to reset the red LED, press and release the receiver button.

### Temporary (8 Hours) and Permanent Silent Modes

These modes may be entered only while the receiver is in normal operating mode. If in permanent silent mode and there is a power outage, the receiver will stay in permanent silent mode until exited. While in temporary or permanent silent mode, the red LED will change from continuous to flashing when a sensor has been activated.

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

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

Exit both Silent Modes - **Press and hold down** the receiver button until you hear a single beep to return to normal operating mode (approximately 3 seconds). Red LED will go off.

## Supervisory Signals

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. Low battery
2. Tamper signal received
3. Out of range (between 12-24 hours)

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 sensor such as the STI Lamp Controller (STI-30104). The output jack is a 1/8 inch mono audio plug (negative tip). 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, for the selected amount of time.

## Trouble Shooting Tips

Red LED does not stop flashing after pressing gray button - check that sensor is restored.

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 is activated

1. Check that the receiver is not in Temporary or Permanent Silent Mode
2. Move the sensor close to the receiver and test. If alert sounds on the receiver, the sensor may be mounted too far away from the receiver, or there is an obstruction blocking the wireless signal
3. Check the sensor batteries and replace if necessary
4. Reprogram the receiver using the steps in **“Clearing the Receiver memory”** and **“Program a Sensor”**

The receiver sounds when there should be no alert from the sensor

1. Check that the sensor is mounted correctly according to sensor instructions
2. Reprogram the receiver using the steps in **“Clearing the Receiver memory”** and **“Program a Sensor”**
3. This may occur from atmospheric conditions, primarily driveway sensors, due to highly sensitive electronics

The receiver gives short beeps - see **“Supervisory Signals”**

The receiver memory will not clear - Disconnect the power and wait 15 seconds to reconnect, then follow **“Clearing the receiver memory”**

## 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: 6335A-34104 FCC ID: TXL34104

This device is a wireless receiver intended for home and office use in all EU and EFTA member states.

### 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.

Electronic warranty form at [www.sti-usa.com/wc14](http://www.sti-usa.com/wc14).

## Technical support

Contact STI at 800-888-4784.

## ADDITIONAL WIRELESS ALERT SERIES PRODUCTS

STI-34098	Single Channel Slave Receiver	STI-6200WIR	Wireless Fire Extinguisher Theft Stopper
STI-34104	4-Channel Receiver	STI-6200WIR4	Wireless Fire Extinguisher Theft Stopper w/Receiver
STI-V34104	4-Channel Voice Receiver	STI-6400WIR	Wireless Exit Stopper Door Alarm
STI-34108	8-Channel Receiver	STI-6400WIR4	Wireless Exit Stopper Door Alarm with Receiver
STI-34188	8-Zone Relay Board	STI-6517A	Wireless Stopper Station Shield with Sound
STI-34101	Solar Powered Driveway Monitor Sensor	STI-6517B	Wireless Stopper Station Shield with Sound & Transmitter
STI-34151	Battery Powered Driveway Monitor Sensor	STI-6517C	Stopper Station Shield with Wireless Transmitter
STI-34201	Wireless Mailbox Alert Sensor	STI-6517D	Wireless Stopper Station Shield with Button Sound and Transmitter
STI-34301	Wireless Garage Sentry Sensor	STI-30104	Lamp Controller
STI-34401	Wireless Universal Alert Sensor	STI-30105	Extended Antenna
STI-34501	Wireless Entry Alert Sensor	STI-34105	Voltamax 12VDC (500mA) Power Supply
STI-34601	Wireless Doorbell Button	STI-34106	Keyfob
STI-34701	Indoor Wireless PIR	STI-34109	Repeater
STI-34752	Outdoor Wireless PIR		



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