

GOTCHA™ Child Perimeter Safety Device
by National Scientific Corporation



Thank you for purchasing the NSC Gotcha™ Perimeter Safety Device. These units can be thought of as an 'electronic leash' with a variable range. When the child wanders beyond the range that has been set for them the child unit will automatically alarm. When the child comes back into your comfort zone the alarm can either be canceled from the parent unit or it will automatically cancel.

This product is intended to assist you in keeping track of your children in busy environments, such as shopping malls or parks. One parent unit can track multiple child units simultaneously (additional child units sold separately).

Owner's Manual

Version 1d

© 2003 National Scientific Corporation

Please read this operation manual carefully before using the product. Please keep this manual in a safe place for future reference. A full version of this manual is also on our web site www.national-scientific.com

BASIC PRODUCT USE

Gotcha consists of two units: one part is worn by the parent (parent unit) and the other is worn by the child (child unit). The child unit also has an anti tamper feature. If the child unit is removed the alarm will automatically activate. The alarm can only be canceled by re-attaching the unit to the child's clothing and pressing the **LOCATE/ CANCEL** button on the parent unit. Each parent unit has a unique ID code. Each child unit must be programmed to recognise the correct parent unit it belongs to. This means that your child unit will now only respond to your parent unit. However additional child units may be bought and programmed to operate with a specific parent unit. The parent unit has a **LOCATE/ CANCEL** button and an **on / off** switch. The child unit is automatically switched on by opening the belt clip and attaching it to the child's clothing. It can only be switched off by a command from the parent unit.



When your child wanders beyond the preset perimeter, the child's unit will automatically sound an alarm. This audible child unit alarm (there is no alert directly in the parent unit) alerts you that the child is outside the safety zone. You should immediately respond to this alarm. You can easily locate your child by following the direction of the alarm sound. The alarm will either automatically re-set or it can be cancelled by the parent pressing the **LOCATE/ CANCEL** button on the parent unit when your child is back inside the safety zone. For added safety, the child unit is also designed to alarm when tampered with.

Warning

THIS PRODUCT DOES NOT TAKE THE PLACE OF STRICT AND ATTENTIVE ADULT SUPERVISION. IT IS INTENDED AS A TOOL TO ASSIST ADULTS IN KEEPING TRACK OF NEARBY CHILDREN.

BUTTONS (PARENT)	FUNCTION
OFF TO ON (PARENT)	SWITCHES THE PARENT UNIT ON
ON TO OFF (PARENT)	SWITCHES THE PARENT UNIT OFF, ALSO SENDS CODE TO CHILD UNIT THAT IT WILL BE SWITCHED OFF.
RANGE (PARENT)	SETS THE DISTANCE THE CHILD CAN WANDER. 3 SETTINGS OF CLOSE, MEDIUM AND FAR
LOCATE / CANCEL (PARENT)	IF THE CHILD UNIT IS NOT IN ALARM – THE CHILD UNIT WILL BE LOCATED IF THE CHILD UNIT IS IN ALARM – THIS WILL CANCEL THEALARM
CLASP ON CHILD UNIT	ON / OFF FUNCTION AS WELL AS TAMPER

BUTTONS



BATTERY INSTALLATION

Your Gotcha parent unit requires one CR2 battery and the child unit requires one 2032 battery

BATTERY INSTALLATION AND SET UP

Parent unit:



1. Turn parent unit off (switch in the up position).
2. Locate and remove the 2 battery compartment screws (located at the top back corners of the unit) with a small Philips screwdriver.
3. Remove battery compartment cover.
4. Remove old battery (if installed) noting polarity.
5. Install new battery ensuring correct polarity with diagram in battery compartment.
6. Re-attach battery door and fasten screws.

Child unit:



1. Remove battery compartment screw (located at the top right hand corner of the back face).
2. Remove battery compartment cover.
3. Insert CR2032 battery (by sliding it under the battery clip) into to child unit with the +ve symbol facing up.
4. Re-assemble the battery compartment and screw.

TEACHING ADULT / CHILD UNITS:

The child unit now must be taught to listen out for the correct parent unit. Each parent unit has a unique ID code. Each child unit must be taught which parent unit it belongs to. This means that your child unit will now only respond to your parent unit.

1. Open the clip on the back of the child unit.
2. Attach the child unit to either a piece of clothing or some other thin object (such as this card) that will keep the clip open.
3. The LED on the child unit will now flash rapidly.
4. Place the parent unit near the child unit.
5. Switch on the parent unit.
6. The LED on the parent unit will flash rapidly and then pulse regularly
7. Press the locate / cancel button on the parent unit until the alarm stops – the child unit should chirp the locate alarm

Note: In the unlikely event that the child unit does not recognize the parent unit it will emit a series of long beeps after about 20 second these beeps should stop.

The LED on the Child unit should now pulse approximately every 2 seconds.

1. Remove the child unit from the item it was attached to and close the clasp.
2. The child unit should now alarm (anti-tamper feature).
3. Re-attach the child unit to the item it was attached to.
4. Press the locate / cancel button until alarm cancels – the unit will now stop alarming

To become familiar with its operation and features, you should now experiment with your Gotcha!!

TO SWITCH THE UNITS OFF

1. Switch parent unit off.
2. LED on parent unit will stop flashing.
3. Child unit will begin to chirp (warning that it is expecting to be switched off).
4. Remove child unit from clothing.
5. Close clasp on child unit.
6. Chirping will stop and unit is switched off.

NOTE IF YOU TAKE LONGER THAN 5 SECONDS TO REMOVE THE CHILD UNIT THE CHILD UNIT WILL AUTOMATICALLY ALARM. YOU WILL HAVE TO SWITCH THE PARENT UNIT BACK ON AGAIN AND REPEAT STEPS 1 THROUGH 6.

RANGE SENSITIVITY



The range sensitivity switch is located on the side of the parent unit identified with a triangle. It has 3 settings either near, medium, or far, depending on how close you want the child to be before the unit alarm is triggered. When the range switch is at the sharp end of the triangle – the range is set to near (approximately 10 feet). When it is at the wide part of the triangle it is set to far (approximately 75 feet).

Note: The actual range can vary depending upon the environments the units are used in. The weather, walls, high humidity, battery condition etc can all affect the range.

Warning: Due to FCC regulations the location of the child unit can only be checked every 10 seconds. Therefore there is a chance that the child could be outside the set range for a period of time before the unit alarms. The child unit can therefore alarm at a greater range than the set range.

NORMAL ALARM OPERATION

Should the child wander outside the pre-set comfort / safety zone the unit will automatically alarm. Upon hearing the alarm you should react immediately by either walking towards the sound or call the child to you. When the child is within the comfort zone the unit will automatically reset (this may take upto 10 seconds) or press the locate / cancel button until the alarm cancels.

LOCATE FUNCTION

Press the locate / cancel button and the child unit will alarm for as long as the button is depressed. You can now easily locate your child.

TAMPER FUNCTION

Should the child unit be removed without the proper authority from the parent unit the child unit will immediately and automatically alarm. The only way to silence the alarm is to re-attach the unit to the child's clothing and press the cancel / alert button.

LOW BATTERY ALARM

CHILD UNIT: During normal use the battery in the child unit is regularly checked for proper operation. If the battery is low the unit will start to 'chirp' every 20 seconds or so. This notifies you to exchange the batteries for a fresh set. REMEMBER TO RETEACH CHILD UNIT TO PARENT UNIT

WARNING: CONTINUED USE WILL RESULT IN THE UNIT FAILING TO ALARM.

Parent Unit: As the battery in the parent unit becomes exhausted the preset range will start to reduce. The unit will still function normally, however the battery should be changed at the first opportunity. Should the battery in the parent unit be depleted the LED on the parent unit will not flash. If the child unit is switched on it will automatically alarm. The only way to switch the child unit off is to install a fresh battery in the parent unit or remove the battery in the child unit.

GENERAL OPERATION

1. Switch on parent unit;
2. Switch on child unit by attaching it to child's clothing
3. Set range switch to desired setting
4. Test child unit by pressing page / alert button on parent unit
5. Attach parent unit to belt or handbag – units are ready to operate

Remember to switch off after use

SYMPTOM	SOLUTION
Child unit constantly alarms	· Ensure parent unit is switched on · Check that parent unit LED is flashing – if not, replace batteries · The maximum range of the parent unit will vary depending on the environment. Open areas provide the maximum range, while steel/concrete structures and use in buildings limit the range. Increase the range setting on the parent unit. · Child unit may be out of range of parent unit. Move units closer together. · Wearing the Gotcha Parent unit close to the body, such as in a pocket or on a belt may decrease range; change the location of the device. · Child unit may need resetting. Remove child unit battery and reinstall after 30 seconds. Re-teach child unit to parent unit.
Range is limited.	· The maximum range will vary depending on the environment. Open areas provide the maximum range, while steel/concrete structures and use in buildings limit the range. Increase the range setting on the parent unit. · Wearing the Gotcha Parent unit close to the body, such as in a pocket or on a belt may decrease range; change the location of the device. · Replace parent unit batteries if the range has significantly reduced.
LED's not Flashing	· No Power. Check units are switched on · Check battery. Ensure that the batteries are installed properly. · Replace old batteries
Child unit 'chirps' every 20 seconds or so	· Replace battery in child unit

FREQUENCY ASKED QUESTIONS

How does the unit work?

This product is intended to keep track of your children in a busy environment, such as shopping malls. One adult unit can track multiple child units (additional child units sold separately). When your child wanders beyond the preset distance, the child's unit alarms, alerting you to the fact that your child has wandered outside your safety zone.

How far can my child wander from me before the alarm is triggered?

You decide. The distance between you and your child is adjustable. Simple adjust the range sensitivity dial to your preference of near, medium, or far. Near will allow your child to wander up to 10 feet before triggering the alarm. Medium increases the range of the safety zone to about 35 feet. The far setting further increases the distance between you and your child to more than 75 feet. *It is strongly suggested that you test settings as range can vary with environment and usage.*

How do I find my child if the alarm goes off?

You can easily find your child by following the loud audible alarm emitting from the child's unit. Once you and your child are within the comfort zone the alarm will automatically turn off.

Can I use Gotcha indoor as well as outdoors?

Yes. Gotcha uses RF or radio frequency technology. The device works equally well indoors or outside, however walls or other obstructions may limit its range. Gotcha operates best with line-of-sight between parent and child.

Does Gotcha use GPS technology?

No. Gotcha does not use GPS technology. Gotcha is a proximity tracker, not a location device. It is intended only to assist adults in keeping children nearby in crowded situations.

Do I need a license to operate the units?

No. Other than the cost to occasionally change the batteries, there are no additional fees associated with using and operating Gotcha.

Where are the units made?

Gotcha is designed in the U.S. The device is manufactured using various parts from around the world and are assembled in Europe.

Where do I place each Gotcha unit?

The child unit easily clips into place. Securely attach the child unit in an out of the way location, such as on the back of a shirt collar or belt. The adult unit can be clipped to a belt, carried in a pocket, or placed in a handbag.

The alarm is LOUD so to avoid hearing damage, therefore do not place unit next to an ear.

Do I need to test Gotcha before I use it?

Testing the device before using it is recommended. To test Gotcha, have your child walk away from you until the alarm sounds. Adjust the range dial as needed to define the appropriate safety distance for you. Test system regularly by pressing the alert / cancel button to ensure reliable and regular performance.

How often do I need to change the batteries?

Gotcha features a low battery warning. The child unit will 'chirp' every 20 second or so when its battery is low indicating the battery needs to be replaced. The effective range for the adult unit decreases when the adult unit battery is low. After changing the child's battery you need to re-teach the units again before use.

For optimal use, check batteries frequency to ensure system is working properly.

Is there anytime or anyplace where it is not safe for my child to wear Gotcha?

Yes. Gotcha is not intended for use during child-participating sporting events, where there is risk of injury if child falls down on top of the unit. Remove the unit from the child before he/she plays active sports. Also, do not use Gotcha in or around water or where it is forbidden to use such as Aircraft

My gotcha is damaged can I repair it.

No, there are no consumer serviceable parts in Gotcha. If the unit is defective due to a manufacturing fault and is still under warranty, return it to xxxxxxxxxxxxxxxxx for replacement.

Important Notice :**Gotcha is NOT a replacement for active and effective adult supervision. Please supervise and oversee children and other Gotcha users at all times to ensure their safety and health.**

RECYCLING/DISPOSAL OF BATTERIES

The U.S. Environmental Protection Agency (EPA) classifies used batteries as hazardous waste, unless certain exemptions apply. The battery should be recycled at the end of its useful life. Under various state or local laws, such batteries must be recycled or disposed of properly.

IMPORTANT SAFETY INSTRUCTIONS

All the safety and operating instructions should be read before the device is operated and retained for future reference. **GOTCHA IS NOT A REPLACEMENT FOR ACTIVE AND EFFECTIVE ADULT SUPERVISION. PLEASE SUPERVISE AND OVERSEE CHILDREN AND OTHER GOTCHA USERS AT ALL TIMES TO ENSURE THEIR SAFETY AND HEALTH.**

Care and Safety

People with Pacemakers

People who use pacemakers or other internal electronic medical devices should consult their physician before using this product. Use of the product may interfere with the operation of such devices and result in a dangerous medical occurrence.

Vehicles equipped with air bags

Do not place your Gotcha in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a

Gotcha is placed in the air bag deployment area and the air bag inflates, the unit may be propelled with great force and cause serious injury to the occupants of vehicle.

Potentially explosive atmospheres

Turn your Gotcha OFF when in any area with a potentially explosive atmosphere. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Battery Care

Do not replace batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion. To ensure peak performance from your Gotcha, the batteries should be charged and in good condition. Proper care will allow maximum performance and life from your unit. Periodically replace all batteries especially if the units have not been used for some time. Only use recommended batteries.

Damaged units

Do not use any Gotcha (Parent or Child unit) that has a damaged casing or missing battery cover.

Potential Hearing Damage

The alarm is LOUD. To avoid hearing damage, do not put child unit next to you or your child's ear. **Children**
DO NOT allow children to operate this device unsupervised.

Submerge in Water

This product should NOT be submerged in water. Do not use this product in or near water such as a bathtub, washbowl, kitchen sink, laundry tub, swimming pool, or wet basement.

Warning

If the child wanders beyond the audible range of the alarm, the parent will not be able to hear the alarm. *KEEP CHILDREN NEARBY AT ALL TIMES TO ENSURE THEIR SAFETY.*

Sports

These units are not intended for use during child-participating sporting events, where there is risk of damage to the units or injury to the child if they fall on top of the unit. Remove from child before he/she plays active sports.

No Serviceable parts

Other than occasional battery replacement, there are no consumer serviceable part contained within the unit. DO NOT open or remove cover, as this will void warranty

To clean the unit

Wipe with a soft dampened cloth. Don't use cleaners or solvents on the unit as they can damage the finish of the unit.

If the unit gets wet, turn it off and remove the batteries immediately. Dry unit as best you can with a soft cloth to minimize potential water damage. Leave the cover off the BATTERY COMPARTMENT overnight or until completely dry. Do not use the unit until completely dry.

Exposure to radio frequency energy

The design of your Gotcha, which generates radio frequency (RF) electromagnetic energy (EME), FCC Part 15.231

FCC Compliance Statements

This device complies with Part 15.231 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.

Changes or modifications not expressly approved by the manufacture could void the user's authority to operate the equipment.

All RF based Perimeter Safety Devices must be licensed by the FCC before use. Because this Perimeter Safety Device contains a transmitter, Federal law prohibits unauthorized use or adjustments of this Perimeter Safety Device.

Nearly every electronic device is susceptible to electromagnetic interference (EMI).

- Turn your units OFF in any facilities where posted notices instruct you to do so, such as in hospitals or health care facilities where equipment that is sensitive to external RF energy may be used.
- Turn your units OFF when on board an aircraft when instructed to do so. Any use of the unit must be in accordance with airline regulations or crew instructions.

The FCC requires that you be advised of certain requirements involving the use of this device. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can generate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that the 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 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 to an outlet on a circuit different from that which the receiver is connected.

Consult the manufacturer for technical assistance

Warranty, Trademark

The NSC products described in these operating instructions may include copyrighted NSC software programs stored in semiconductor memories or other media. Laws in the United States and other countries preserve for NSC certain exclusive rights for copyrighted software programs, including the exclusive right to copy or reproduce in any form the copyrighted software program. Accordingly, the copyrighted NSC software programs contained in the NSC products described in this operating instruction manual may not be copied or reproduced without the express written permission of NSC. Furthermore, the purchase of NSC products shall not be deemed to grant either directly or by implication, estoppels, or otherwise, any license under the copyrights, patents or patent applications of NSC, except for normal non-exclusive royalty free license to use that arises by operation of law in the sale of a product.

Gotcha™ is a trademark of National Scientific Corporation. All Rights Reserved.

Refer to the Operating Instructions section of this Owner's Manual for proper operation and adjustments. If the problem cannot be corrected by reference to this Owner's Manual, return the product with proof of purchase (a sales receipt) to the place of purchase, or call the Customer Service Department for assistance, at the number listed at the end of this manual.

NSC warrants that the Products and included accessories sold herein will be free from defects in workmanship or materials under normal use and service for a period of one (1) year from the date of purchase by the original end user, provided that the buyer has complied with the requirements stated herein. This warranty is offered to the initial end user and is not assignable or transferable. NSC is not responsible for any ancillary equipment, which is attached to or used in conjunction with NSC products. If the Product fails to function under normal use because of manufacturing defect's or workmanship during the one (1) year period following the date of purchase, it will be replaced or repaired at NSC's option at no charge when returned to the place of purchase. The defective unit must be accompanied by proof of the date of purchase in the form of a sales receipt. The sole obligation of NSC hereunder shall be to replace or repair the Product covered in this Warranty. Replacement, at NSC's option, may include a similar or higher-featured product. Repair may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. Replaced parts, accessories, batteries, or boards are warranted for the balance of the original time period. All replaced parts, accessories, batteries or boards become the property of NSC. NSC shall have no obligation to make repairs or to cause replacement required through normal wear and tear or necessitated in whole or in part by catastrophe, fault or negligence of the user, improper or unauthorized alterations or repairs to the Product, use of the Product in a manner for which it was not designed, or by causes external to the Product. This warranty is void if the serial number is altered, defaced or removed. The user is responsible for the payment of any charges or expenses incurred for the removal of the defective product from the vehicle or site of its use, for the transportation of the product to the place of repair, for the return of the repaired / replaced product to the site of its use and for the reinstallation of the product.

THE EXPRESS WARRANTIES CONTAINED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FOR ANY PRODUCT WHICH DOES NOT COMPLY WITH THE WARRANTY SPECIFIED, THE SOLE REMEDY WILL BE REPAIR OR REPLACEMENT. IN NO EVENT WILL NSC BE LIABLE TO THE BUYER OR ITS CUSTOMERS FOR ANY DAMAGES, INCLUDING ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, OR FOR THE LOSS OF PROFIT, REVENUE OR DATA ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. THIS WARRANTY IS VOID FOR SALES AND DELIVERIES OUTSIDE OF THE U. S. A.

ABOUT NSC

NSC is a world-respected name in wireless location and perimeter safety devices. Products include Followit™, StarPilot™, Shuttlefinder™, StationMaster™, and others. For more specific product information please visit our web site at www.national-scientific.com