

## DRAFT

### User Guide – AllClear

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#### Overview

The Microsemi® AllClear® is a hand-held passive millimeter wave (PMMW) people screening device designed to detect metallic and non-metallic objects and is an alternative to a personal pat-down. Unlike many current security measures in use today which are perceived as invasive and an infringement on civil liberties, the AllClear takes no images, is completely safe and alleviates the need for direct physical contact.



The AllClear measures the body's natural millimeter wave (MMW) energy. When an object is placed or hidden between the skin and clothing, the AllClear detects the difference in the amount of energy collected allowing the device to detect concealed objects. This normally is an indication of either an absorptive or reflective object between the human body and the AllClear.

There are those who compare the AllClear and all millimeter wave technology to a metal detector. The defining difference is that a metal detector is not capable

of detecting objects other than those made of metal. It is impossible for a metal detector to detect a non-metallic object of any size, composition or temperature.

In order to fully understand the functionality of the AllClear, a clear understanding of millimeter wave technology is necessary.

### **Passive Millimeter Wave Theory**

All non-metallic objects emit electromagnetic energy based on their temperature. This means that if the energy from an object is analyzed, the temperature of the object can be determined. However, this has also been proven to work in reverse. If the temperature of a specific object is known, detectors which are designed to detect energy being emitted can be used to identify objects in the area of the temperature.

Millimeter waves do not generally get blocked by fabric materials. This makes millimeter waves ideal for detecting objects hidden behind clothing and other coverings on the human body.

There are three basic ways in which millimeter waves behave when their travel path intersects with an object:

#### ***Reflectors -***

Similar to the way light is reflected by a mirror, objects made of metal reflect millimeter wave energy. These objects emit very little energy until they are heated well above temperatures at which a human could handle them, or conceal them. Just as you may have trouble using a cell phone in a metal building or elevator, these materials are considered blockers of electromagnetic emissions. The AllClear can detect these objects because they are blocking the natural energy emitted by the human by reflecting the environment.

#### ***Absorbers -***

Most other materials fall into this category. They are dense enough to block or partially block millimeter wave energy. Materials such as wood, ceramics, glass and dense plastics are examples. These materials will appear as either slightly cooler than or warmer than the human body. Because of this difference the AllClear can detect the object.

#### ***Transparent -***

These materials have very little effect on millimeter wave energy. Examples are woven fabrics, drywall, thin sheets of plastic and polymers.

### **Health Concerns**

Our passive millimeter wave device emits absolutely no radiation or harmful energy to any individual involved in the scanning/screening process. Passive millimeter wave devices simply receive and measure the body's natural millimeter wave energy, eliminating the person's concerns for safety and privacy. Therefore, the AllClear may be used to scan women who are pregnant or may be

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used to scan those individuals who have medical devices implanted within or attached to their bodies. The AllClear poses no health risks to anyone, including children.

### **Object Detection**

Utilizing millimeter wave technology, the AllClear will detect an object as small as 3.8 x 3.8 cm (1.5" x 1.5"), whether metallic or non-metallic hidden on the body of an individual. The AllClear is used for scanning the outside body surface and can not be used for detecting objects in body cavities.

The list of objects detectable includes, but is not limited to:

#### ***Metallic Objects –***

No matter what the visible color, curved or flat surface, metallic objects will appear shiny and reflective since metallic objects do not emit energy, but instead block the energy being emitted from the body of an individual. The thickness and the temperature of the metallic object are not of importance.

Objects including –



- Metal Weaponry, such as guns and knives
- Sheet metal or aluminum
- Ferrous or Non-Ferrous

#### ***Non-metallic Objects –***

All non-metallic objects absorb energy differently, some more than others. Cloth for example absorbs very little millimeter wave energy since millimeter waves pass through. Some materials however do absorb more than others, silk and leather being examples. Liquids and gels absorb at a higher level because like the skin of a human body, they are comprised of mostly water millimeter waves do not pass through.

Consider this example, think of your microwave oven. The faster a material gets hot in there, the more it absorbs the microwave energy (which is similar to millimeter wave *for this example only*) –

Food (lots of water) and oils → highly absorbing  
Plastic, silicone → weakly absorbing  
Paper, packaging (like clothing) → very weakly absorbing  
More absorption provides greater contrast when screening and yield better detectability.

Objects including, but not limited to –



- Liquids
- Solids
- Gels
- Cloth or clothing
- Powders
- Explosives
- Plastics
- Currency (paper)
- Ceramics
- Drugs (various types)
- Media
- Electronics, including: CD's, DVD's, Blu-Ray discs, USB/flash drives, cell phones, iPods, etc.



A concealed liquid explosive simulant

With non-metallic objects, temperature, thickness, size and placement (where it is concealed on the body) are of importance and a consideration during the scanning process. In most instances for example the thicker the object the better the detectability.

However, if a non-metallic object is kept in contact with the human body for an extended period of time the warmer it will become and more difficult to detect.

For example, a ceramic knife concealed on the body for an extended period of time will take on the temperature of the human body and become less detectable the warmer it becomes. The thinner the non-metallic object is the faster the heat can penetrate (be absorbed) to become near to the measured human energy level.

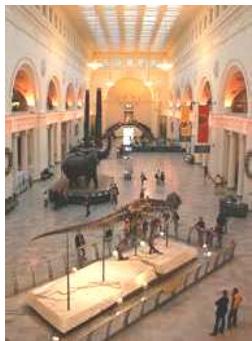
An example of object size being a factor is a memory stick. Because of the size and the fact it is primarily comprised of plastic materials, if concealed on the body for an extended period of time it will become difficult to detect. This is because the walls of the memory stick are thin and plastic and the metal content is below our resolution.

There will always be a temperature band at which a non-metallic object can not be detected next to the skin, as the non-metallic object nears skin temperature of 88°F - 92°F it becomes difficult. For non-metallic items, think of the AllClear as a temperature sensor that works through clothes.

Since different parts of the human body naturally have somewhat different temperatures, a “false alert” may occur. But, is it really a false alert or a true measurement difference of the body temperature? With a low percentage of false alerts, it is certainly worth the few additional seconds necessary to re-scan the area.

## Deployments

### *Locations*



The AllClear is small, portable and handheld; it can be used in any indoor climate controlled environment security scenario where the threat of concealed objects exists, for example:

- Transportation Terminals/Hubs -
  - Airports
  - Train & High Speed Rail Stations
  - Bus Terminals
  - Subway Stations
  - Cruise Ships & Docks
- Educational Facilities
- Correctional Facilities
- Retail Environments
- Warehouses
- Distribution Centers
- Manufacturing Environments
- Public & Private Buildings
  - Historical Landmarks
  - Office Complexes
  - Hotels
  - Bars & Clubs
  - Museums & Galleries
  - Courthouses
  - Embassies
- Entertainment Complexes
  - Theme Parks
  - Theaters

Arenas  
Stadiums

- National & International Borders & Customs Checkpoints
- And so many other venues...

### ***Applications***

Potential applications include, but are not limited to:

- Security Screenings
- Transportation Security
- Law Enforcement
- Loss Prevention
- Asset Protection
- Corporate Security
- Event & Gathering Checkpoints
- Weapons & Explosives Detection
- Contraband Detection

### **Becoming Familiar with the AllClear**

#### ***Composition***

The AllClear unit consists of the following main functioning parts:

#### ***Primary Parts of the AllClear Handheld Unit***



1. Controls and Indicators Area

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2. Grip
3. Charging Connection
4. Scan Sweep Area

<b>1</b>	<b>Controls and Indicators Area</b>	<ul style="list-style-type: none"> <li>• Controls On/Off, Zero and Mode Buttons</li> <li>• Controls Alarm LED indicators</li> </ul>
<b>2</b>	<b>Grip</b>	<ul style="list-style-type: none"> <li>• For holding AllClear while scanning</li> </ul>
<b>3</b>	<b>Charging Connection</b>	<ul style="list-style-type: none"> <li>• Where charging cord plugs into the AllClear</li> </ul>
<b>4</b>	<b>Scan Area</b>	<ul style="list-style-type: none"> <li>• Area containing the sensors</li> </ul>

The AllClear unit is stored within a case which also includes:

- A User Guide
- AllClear Cradle
- AllClear Charger
- Four AllClear Power Plugs (US, UK, EURO & AUST/NZ)

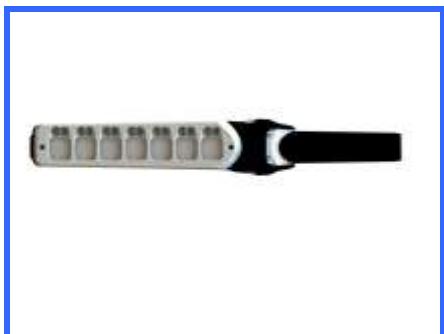
### ***Indicator Lights***

There are two types of Indicator Lights on the AllClear

Alarm Indicator LEDs

- One on each side of the unit;

Sensor Indicator LEDs

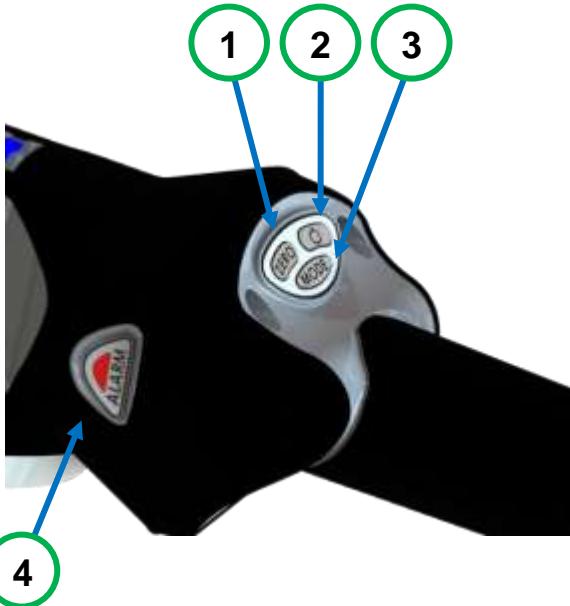


- Seven of them, aligned with seven millimeter wave sensors on the top of the unit (as pictured above);
- Will light blue to indicate which of the millimeter wave sensors are detecting the object;
- Will light once when unit is zeroed;

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- Will light once to indicate when silent mode is selected;
- Will light when the unit is plugged in to the charger to indicate the level of charge.

**Note:** The Sensor Indicator LEDs on the AllClear show the approximate location of the object being detected. When the AllClear detects an object, this is indicated through lights (LEDs), as well as sound or vibration, depending upon the mode selected by the operator conducting the scanning.



1	<b>Zero Button</b>	<ul style="list-style-type: none"> <li>• Zeros AllClear</li> <li>• Illuminate yellow when sensors nee re-synchronization</li> </ul>
2	<b>Power On/Off Button</b>	<ul style="list-style-type: none"> <li>• Powers unit On/Off</li> <li>• Illuminates green when Power is on</li> <li>• Flashes green in Standby Mode</li> </ul>
3	<b>Mode Button</b>	<ul style="list-style-type: none"> <li>• Switches between Modes</li> </ul>
4	<b>Alarm Indicator LEDs (2)</b>	<ul style="list-style-type: none"> <li>• On either side of AllClear</li> <li>• Illuminate red when an object is detected</li> </ul>

### **Powering On**

- Hold the AllClear approximately 3 feet from the floor with sensors facing the floor. Be sure that there are no millimeter wave or heat sources (feet, legs) between the AllClear and the floor;
- Ensure also that there is a 3 feet diameter zone on the floor also without millimeter wave or heat sources;

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- Press the Power On/Off Button for 2 seconds;
- The Power On/Off Button will illuminate;
- The AllClear will beep indicating the power is on;
- The AllClear will zero (which equalizes all 7 millimeter wave sensors). The Sensor Indicator LEDs will illuminate blue for a few seconds;
- The Zero Button will stop flashing;
- The AllClear is now ready to scan after the initial warm-up period.

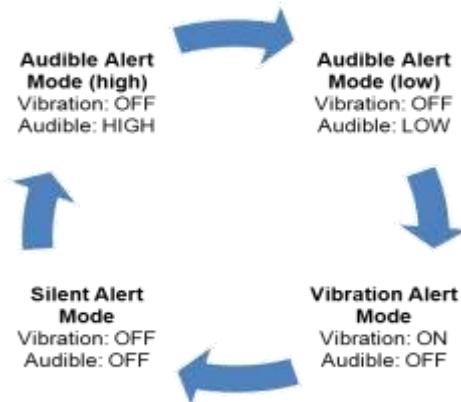
### ***Zeroing***

Zeroing is necessary to equalize the millimeter wave sensors:

- During the initial warm-up period, the unit may need to be zeroed several times.
- Zero Button will light yellow to indicate the unit needs to be zeroed;
- Before zeroing, hold the unit away from the body with the Scan Area facing the floor, approximately 3 feet;
- Be sure that no millimeter wave sources (feet, legs) are between the AllClear and the floor;
- Ensure a 3 feet diameter zone on the floor is also clear of all millimeter wave or heat sources;
- Press Zero Button. The blue Sensor Indicator LEDs will illuminate;
- The Zero Button will stop flashing, meaning the AllClear is ready for scanning again;
- It is best practice to Zero AllClear before starting to scan each subject.

### ***Alert Modes***

There are four Alert Modes to select from. Based upon the Alert Mode selected, the operator may be alerted to detected objects by sound, vibration or flashing LEDs. The AllClear Alert Mode and Volume may be changed by using the Mode Button to cycle through the four alert types. Move through the four Alert Modes by pressing the Mode Button each time (do not just hold down the Mode Button, to move through the modes it must be pressed at each selection) -



#### Audible Alert, High Volume

- Default setting when AllClear is powered on
- Beeps once at high volume to indicate this mode has been selected

#### Audible Alert, Low Volume

- Beeps once at low volume to indicate this mode has been selected

#### Vibration Mode

- Vibrates one to indicate this mode has been selected

#### Silent Mode

- Sensor Indicator LEDs flash blue once to indicate this mode is selected

**Note:** The Alarm Indicator LEDs and Sensor Indicator LEDs are enabled (on) in all Alert Modes.

### **Standby Mode**

Standby Mode is used to conserve battery power when the AllClear is not in use. While in Standby Mode, the millimeter wave sensors remain on so the AllClear is ready for scanning immediately after exiting Standby Mode.

- To enter the AllClear into power Standby Mode manually press the Power On/Off Button;
- Power On/Off Button will flash intermittently while in Standby Mode;
- To exit the AllClear from Standby Mode, press the Power On/Off Button once.

### **Powering Off**

- Press and hold Power Button for approximately 3 seconds;

- Button LEDs and Indicator LEDs will no longer be illuminated.

### ***Battery Indicators***

The Power On/Off Button will change colors to indicate the charge status for the battery as follows:

- **Solid Green** – Battery is above 60% capacity;
- **Solid Orange** – Battery is below 25% capacity, or approximately 1.5 hours of battery power remaining;
- **Solid Red** – Battery is below 10% capacity. When the Power On/Off Button is red, the AllClear should be powered down immediately and charged.

### ***Charging***

Charging the AllClear is an easy process:

- Place the AllClear charging cradle on top of a table or other stable surface;
- Place the unit in the cradle;
- Select the appropriate charging plug for your country or location at time of charging. The plug types included with the unit are: US, UK, EUR and AUST/NZ;
- Slide plug onto charger and plug into an AC outlet;
- Pull out the rubber plug from the end of the AllClear and plug into charging connection on the cradle;
- If powered on when plugged in, the AllClear beeps once to indicate it is charging (the blue Sensor Indicator LEDs light to show the level of the charge). Then the AllClear powers off;
- If the AllClear is not powered on when plugged in, the unit can be turned on to ensure it is plugged in and charging (listen for the beep) or to view the level of charge (LEDs);
- The blue Sensor Indicator LEDs light will appear to show the level of the charge;
- The battery will take approximately 3 hours to charge for a fully depleted battery.

## **How To Use The AllClear**

Scanning with the AllClear is revolutionary because it can replace the pat-down, thus providing a high level of object detection while protecting personal privacy. Using the AllClear, all surfaces of the human body can be scanned without contact, including the hair, top of the head, chest, arms, sides, groin area, legs and ankles.





Concealed explosive detonator detected

Before you begin the Scanning Process –

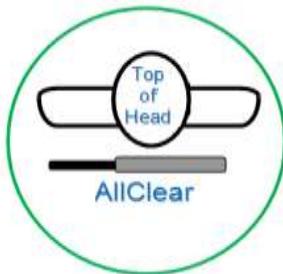
- Request and ensure the individual has removed all jewelry, belts, cell-phones, etc;
- Verify that the individual is standing in the correct scanning position, feet spread apart and arms raised and outstretched on either side (see illustration below);
- For security purposes, the individual conducting the Scanning Process, should place the wrist strap of the AllClear unit around their wrist;
- Zero the AllClear using the proper method as previously described within this document.

Scanning –

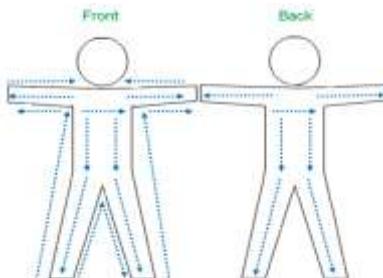
- When the AllClear is ready for use, keep the AllClear Scan Area approximately 1 – 4 inches (2 – 10 centimeters) away from the subject's body. Do not touch the body or clothing of the individual being scanned;



- The entire Scan Area of the AllClear unit should face the body of the individual without any part of the Scan Area angled or arched away from the body. The motion should remain steady and straight (see the following illustrations below);



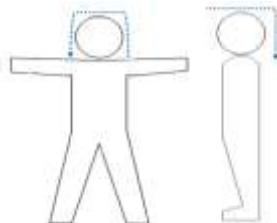
- Scan the individual, both front and back. The illustrations below show a typical scanning pattern. However, scanning may vary based upon the body type of the individual and rescanning to resolve alerts or confirm detections;



- If the AllClear alerts during the initial scanning, scan the area again. If the AllClear alerts a second time, consider LED indication position and body surface target before declaring a detection. However, if the

AllClear does not alert a second time, scan the area a third time to confirm the alert is resolved and not a detection;

- If the individual being scanned is wearing a head covering of any kind, scan the subject's head side-to-side and top to bottom (see illustration below). Do not scan the individual's face;



- While scanning, if any part of the Scan Area is off of the individual's body (such as when scanning arms, see illustration below), the AllClear may indicate a detection. Off-body alerts of this type should not be considered detections;



- If the AllClear alerts during the downward torso scan (top of chest area to waste), turn the unit 90 degrees and rescan torso from side to side, as shown below;



- If the AllClear alerts while scanning an arm or a leg, look at the Sensor Indicator LEDs to see which alerting. If the LEDs alerting are not directly in front of an arm or leg, this is usually not a detection;

- The AllClear may also alert falsely when scanning an individual wearing loose clothing. If the AllClear alerts while scanning an area with loose clothing, look at the Sensor indicator LEDs to see which are alerting. If the LEDs alerting are directly in front of loose clothing and not a part of the individual's body, this is usually not a detection;
- The operator should not scan too quickly or too slowly. The optimal speed of motion is about 1-2 feet per second. If the individual conducting the scanning scans too quickly using the AllClear, this may reduce the amount of detections. If the scanning is too slow, it will not cause any detection issues, but it will increase the overall screening time per subject;
- If the individual conducting the scanning is wearing a cell phone and/or two-way radio, it will not interfere with the operation of the AllClear. The AllClear meets EMC testing CISPR22 and FCC Part 15, Subpart B for a Class B Digital Device;
- Two or more AllClear units can be used near one another while scanning individuals without creating any user issues;
- It is extremely important when an object is detected, to be sure to complete the entire scanning of the individual, both front and back to determine if there are additional concealed objects.

### Care & Maintenance of The AllClear

The body of the AllClear is composed of plastic. The AllClear requires little or no maintenance. However, the outside of the AllClear may be sanitized by using isopropyl alcohol wipes:

- Before sanitizing, ensure the AllClear has been powered off;
- Squeeze any excess isopropyl alcohol from the wipe, so the wipe is damp as opposed to being saturated;
- Wipe over the outside of the AllClear.

### AllClear Specifications

#### **Characteristics**

Dimensions	467 x 90 x 72 mm (18.38 x 3.54 x 2.83 in) L x H x W
Weight	680 g (23.6 oz)
Sensor Array	7 radiometric passive millimeter wave (PMMW) sensors
Scanning Sweep Width	22.25 cm (8.75 in)
Battery	Lithium ion 3.7 volt internal battery pack, 5800 mAh <i>Replacement Part: E60422001</i>
Battery Life	>8 hours (100% regular use) >16 hours (10% use, 90% standby)
Battery Charge Time	Approximately 3 hours for fully depleted battery
Power Supply	100-240 VAC Charger has the following interchangeable plugs:

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	<ul style="list-style-type: none"> <li>• United States</li> <li>• Europe</li> <li>• United Kingdom</li> <li>• Australia/New Zealand</li> </ul>
Power Consumption (charging)	Up to 8 W
Storage Temperature	Between -7°C and +49°C (19°F and 120°F)
Operating Environment	Indoor use only, protected and sealed to IEC 60529, classification IP41
Operating Temperature	Between 0°C and +46°C (32°F and 115°F)
Operating Humidity	0 to 95% non-condensing relative humidity (from 0 to 40°C)
Operating Altitude	0 to 3000 m (0 to 10,000 ft)
Transport	Capable of being transported by air, land, or sea, in shipping packaging, from -40°C to +60°C; 0 to 12,000 m (0 to 40,000 ft)
Tested to meet	EMC: CISPR 22 and FCC Part 15, Subpart B for a Class B Digital Device
Drop Resistance	Operational after multiple axis drops from 1 m according to IEC 60068-2-32 Procedure 1
Shock Resistance	5 g for 30 ms according to IEC 60068-2-27:2008
Enclosure Rigidity	Tested to IEC 61010-1, Section 8.2.1
Vibration Immunity	Tested to IEC 60068-2-27 (3 axis, swept vibration to 2g)

### ***Operational Features***

Scan Time (one person, complete)	Complete person scan is approximately 40 - 45 seconds
Operator Scan Speed Range	0.1 to 1m/s (0.3 to 3.3 ft/s)
Distance from Device to Subject	In the range of 1.5 to 10 cm (1 in to 4 in)
Readiness	<ul style="list-style-type: none"> <li>• Once powered on, the AllClear is functional; performance will improve steadily as the sensors warm-up fully (approximately 30 minutes)</li> <li>• Ready in less than 3 seconds after exiting Standby mode</li> </ul>
Algorithms & Features	<ul style="list-style-type: none"> <li>• Internal 6-axis motion sensor to increase accuracy of detection algorithms (not currently in place)</li> <li>• 7 sensor localized IR proximity sensors to determine distance to subject, improve algorithms and suppress off-body MMW sensor readings</li> </ul>

User Indicators	<ul style="list-style-type: none"> <li>Available transducer to indicate various functions/modes of detection</li> <li>Vibration transducer to indicate various functions/modes and detection</li> <li>Sensor indicator LEDs per each (of 7) MMW sensors aid operator in determining detected object position and approximate size. Also indicates battery charging level status during charging</li> <li>2 Detection Alert LEDs (on each side)</li> <li>Zero button with yellow LED to indicate zero required</li> <li>Power button with multicolor (green, yellow, red) LED to indicate Power on, Standby mode and battery status whilst running</li> </ul>
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### ***Regulatory Information & Reliability***

Safety	<ul style="list-style-type: none"> <li>Conforms with applicable EU directives (CE pending)</li> <li>Tested to meet EN/IEC 61010-1:2001</li> </ul>
Electromagnetic Compatibility	<ul style="list-style-type: none"> <li>Meets CE</li> <li>Tested to meet CISPR 22 EN 55022, FCC CFR 47 Part 15, Subpart B for a Class B Digital Device, ICES-003</li> <li>En 61000-4-2, EN 61000-4-3, EN 61000-4-8</li> </ul>
Mean Time Between Failure	<ul style="list-style-type: none"> <li>Exceeds 150,000 hours</li> <li>192,000 hours calculated (MIL-HDBK-217, ground benign)</li> </ul>

**Note:** If equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

### **Frequently Asked Questions & Answers**

Question	Answer
Why use the AllClear?	<ul style="list-style-type: none"> <li>Handheld</li> <li>Battery Powered</li> <li>Passive Millimeter Wave Technology</li> <li>Detects metallic and non-metallic objects</li> <li>Eliminates the need for pat-downs</li> <li>Does not create images of any kind, while protecting personal privacy</li> <li>Emits no radiation</li> </ul>
Is the AllClear easy to use?	<ul style="list-style-type: none"> <li>Yes, the AllClear requires one</li> </ul>

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	<p><u>operator</u></p> <ul style="list-style-type: none"> <li>• Training is minimal</li> <li>• Easy to use</li> <li>• Lightweight</li> <li>• Efficient</li> <li>• Avoids physical contact</li> <li>• Can be used in any indoor climate controlled scenarios</li> </ul>
<i>The AllClear has not charged after it has been plugged in to the charger for a while, what's wrong?</i>	<ul style="list-style-type: none"> <li>• Check the power connection where the charger plugs in to the wall</li> <li>• Check the power connection where the charger plugs in to the AllClear</li> <li>• Clean the charger contacts on the Charging Connection</li> </ul>
<i>The AllClear does not hold a charge for more than a couple of hours, why?</i>	<ul style="list-style-type: none"> <li>• Ensure that the AllClear unit is fully charged, by leaving the AllClear plugged in to the charger for 3 hours</li> <li>• Replace the AllClear battery</li> <li>• For replacement information contact your sales associate at Microsemi</li> </ul>
<i>The AllClear does not power on when the Power On/Off Button is pushed, is it broken?</i>	<ul style="list-style-type: none"> <li>• Battery is fully depleted.</li> <li>• Charge the AllClear unit for 3 hours</li> <li>• When fully charged, Power On</li> </ul>
<i>The AllClear unit does not make an alert sound when an object is detected. What should I do?</i>	<ul style="list-style-type: none"> <li>• Unit is set to Silent or Vibrate Mode.</li> <li>• Use the Mode Button to cycle through the Alert Modes until the Audible Alert (high or low volume) Mode is selected</li> </ul>
<i>The AllClear unit does not vibrate when an object is detected?</i>	<ul style="list-style-type: none"> <li>• Unit is set to Silent or Audible Alert Mode</li> <li>• Use the Mode Button to cycle through the Alert Modes until the Vibrate Mode is selected</li> </ul>
<i>The AllClear unit makes a sound or vibrates when an object is detected, but is should be silent?</i>	<ul style="list-style-type: none"> <li>• Unit is set for Audible or Vibrate Mode.</li> <li>• Use the Mode Button to cycle through the Alert Modes until the Silent Mode is selected</li> </ul>
<i>The AllClear unit is making too many false detections, is the operator doing something wrong?</i>	<ul style="list-style-type: none"> <li>• Be sure the operator is following the Scanning Process as described in this document</li> </ul>

<p><i>The AllClear unit does not seem to operate when I am conducting screenings in an outdoor parking area, is there a problem?</i></p>	<ul style="list-style-type: none"> <li>• The AllClear is designed for indoor climate controlled use/deployments only</li> </ul>
<p><i>I am going to be traveling and the AllClear will be going through baggage screening machines, is this safe for the AllClear? Will it impact the AllClear?</i></p>	<ul style="list-style-type: none"> <li>• Yes, it is safe</li> <li>• And No, it will not impact or harm the AllClear</li> <li>• Ensure the AllClear is Powered Off and packed in the AllClear carrying case</li> </ul>
<p><i>If the AllClear is in the AllClear carrying case, can it be left outside or in a vehicle trunk/interior for an extended period of time?</i></p>	<ul style="list-style-type: none"> <li>• No, even if the AllClear is in its case, it should not be left outside or in a vehicle/interior for an extended period of time</li> </ul>
<p><i>What is the expected life of the AllClear battery?</i></p>	<ul style="list-style-type: none"> <li>• The AllClear battery life is approximately two years, at which time the battery will have an approximately 80% charging capacity</li> <li>• Spare batteries are available for purchase for use with the AllClear</li> <li>• Pricing is available upon request</li> </ul>

FCC ID: R5O-ALCH7

This device complies with Part 15 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.

Warning: Any changes or modifications made to this product not expressly authorized by the manufacturer could void the user's right to operate this device.



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