

DETECT CELL PHONES AND TRANSMISSION DEVICES

Introducing the Zone Protector™
Helps secure and protect your facility,
assets, people and information.



3G 4G 5G Wi Fi Bluetooth

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Compatible With:



Accurate Detection - Future Proof - Multiple Alert Options.
Deploy as a portable or network device with adjustable range.

Cellbusters Zone Protector™

The Zone Protector™ provides maximum protection for your environment by continuously scanning for cell phone and user selectable RF transmissions.

Once cellular or appropriate RF activity is detected, the Zone Protector™ can be set to activate a choice of alerting options or to silently log all detected activity.

Engineered to extremely high standards, the Zone Protector™ offers excellent detection accuracy with virtually zero false positives.



Features at a glance

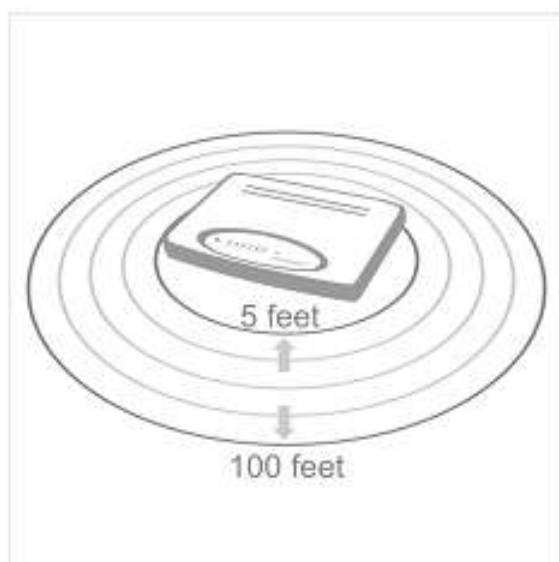
- Deploy as a standalone or network device depending on your environment
- Detects all cell phones in all countries (standby, texts, data and calls)
- Detects all protocols including 2G, 3G, 4G, 5G, GSM, CDMA, WiFi, Bluetooth etc.
- Audio alert announcement, visual LED alert or silent logging modes
- Easily adjustable detection radius for small rooms or for larger areas
- Works out of the box for quick and easy deployment, also work as Cell jammers.
- Sensitivity adjustable without a connected computer (ideal for restricted areas)
- Intuitive web interface for advanced setup and administration
- Future proof design: simply add new channels as cellular networks evolve
- Includes audio out jack and SMA connector for optional external antenna
- Control third party devices using the included relay interface
- Easily add or disable detection channels via browser (e.g. WiFi detection off)
- Power over Ethernet (PoE) and worldwide A/C adapter included
- Optional internal rechargeable battery for power backup or portable use
- Fully compatible with optional Cellbusters Zone Manager™ & cell jammers
- Excellent detection accuracy with virtually zero false positives
- Includes 12-month standard warranty with access to firmware downloads
- Extended and advanced warranty options available
- High quality US engineering and technology – CE and FCC Certification.

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Adjustable Detection Range

The detection range of the Zone Protector™ can easily be adjusted depending on the environment. For example, it is possible to restrict the detection radius to a small conference room or to expand the detection area to scan an entire open plan office, factory floor, or warehouse.

Preset detection sensitivity can be selected using a button combination on the Zone Protector™ without the need for a connected computer, thus simplifying deployment. The easy-to-use web interface allows for more granular control depending on requirements.



Adjustable Range

Portable or Network Deployment

The Zone Protector™ can be carried as a portable device, deployed as a standalone device in conference rooms or classified areas, or it can be connected to the network, depending on requirements or restrictions.

With many power options such as the included universal A/C adapter, Power over Ethernet (PoE) connectivity or the optional internal rechargeable battery, the Zone Protector™ is ideally suited to protect any situation anywhere.

Third Party Device Control

The Zone Protector™ can be set to control a third device once an alert is raised. The included relay alert option can activate beacons, alarms, strobes, access control devices, cell phone jammers (where allowed by law) etc. The length of time for which the relay stays active after an alert is raised can also be configured via the web interface.

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Flexible deployment options suited to most environments

The Zone Protector™ can also communicate over an existing WiFi network via a wireless bridge such as the Motorola CB3000 client bridge, ideal should cabling be unavailable.

It is also possible to install the Zone Protector™ inside a tamper proof and environmentally controlled enclosure for industrial or more rugged applications. This flexibility ensures the Zone Protector™ can be quickly and easily deployed in almost any environment.



Connect over Wifi

Protect your investment

The Zone Protector™ is fully upgradeable and supported by Cellbusters, ensuring your investment is protected. New carrier frequencies can easily be added via the web interface or simply download and install firmware updates as necessary.

While the Zone Protector™ includes email support and a standard 12-month warranty, it is also possible to choose from additional warranty upgrades such as 36 months extended and enhanced options depending on your requirements.



Future proof

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Specification

Specification item	Description
Product Name	Zone Protector™
Model # / Ordering SKU	CB-ZP-AMT9900
Product Description	User programmable frequency detection device with multiple alerting and notification options
Operation	Standalone or part of a networked system
Enclosure Type	External
Dimensions (W x D x H)	235mm x 165mm x 30mm
Weight	0.8 Lbs .36 Kg
Localization	Universal
Detection Radius	Adjustable detection range 5 feet – 100 feet / 1.5m – 30m. Set sensitivity range via button combination or granular control via web interface
Cell Phones Detected	Detects all cell phones, all carriers, in all regions.
Programmable Frequency Range	20Mhz – 6Ghz
Programmable Detection Channels	127
Alert Options	Audio Announcer, High Visibility LEDs, Silent Logging, Relay Alert
Audio Clip Storage	Up to 95 seconds arbitrarily split into 1 to 16 named audio clips.
Audio Clip Format	WAV file (2 options preloaded, can be updated via web interface)
Default Detection Settings	North America (All Carriers) Preloaded.

Optional enhanced detection	Optional enhanced detection
Antenna Type	Internal patch antenna
Antenna Type	Optional external antenna via SMA connector
Device Management	Embedded Web Interface
Microprocessor Speed	32 Bit
Power Options	Includes worldwide A/C adapter, Power over Ethernet (PoE) and optional internal rechargeable battery pack
Speaker Specification	50mm loudspeaker 1.5W ~ 85dB at 1m.
Speaker Volume	User Defined 0 – 80 dB
Operating Temperature	32° – 130° Fahrenheit. 0° – 55° Celsius.
Operating System	Cellbusters proprietary IOS, upgradable.
Manual Scan (Zone Check)	Ability to manually scan the entire frequency spectrum and display detected RF activity
Zone Manager Compatible	Yes (Optional)
Speaker Specification	50mm loudspeaker 1.5W ~ 85dB at 1m.
Speaker Volume	User Defined 0 – 80 dB

The Zone Protector is a passive frequency detection device capable of detecting cell phone transmission activity. It is important to note that cell phones when in standby mode are not continuously transmitting and may be undetected during silent periods as a result. It is therefore advisable to deploy the Zone Protector(s) in the area you are trying to protect, as opposed to deploying at an entrance or doorway, for example.

The detection range of the Zone Protector may vary due to environmental factors and also the vagaries of cellular RF transmissions.





Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Zone Protector™ – Device Information displayed via web interface

Access the Zone Protector™ from any web browser via its password-protected embedded web interface. The device information page displays an efficient dashboard view of the Zone Protector™. Key information such as recent alerts and device settings are conveniently displayed on a single page.



Zone Protector
Model: CB-ZP-AMT9900



Settings Wizard



Logout

- Device Information
- Device Settings
- Device Maintenance

Device Status

Name/Location	ZP3	setting
Device Status	Normal	
RF Detection	<input checked="" type="radio"/> On <input type="radio"/> Off	?
Covert Mode	<input type="radio"/> On <input checked="" type="radio"/> Off	?
System Date/Time	2013/05/16 13:44:36	setting
System Uptime	93day 0hr 18min 21sec	
Serial Number	1D7757	
Firmware Version	2.29A.130207	
Power Source	Charging	
Low Power Mode	<input type="radio"/> On <input checked="" type="radio"/> Off	?

System Events Log

most recent

<< Event	Description	Date/Time >>
Log In	Admin #0, time 60sec	2013/05/16 13:44
RF Alert	3G 2100 Euro 50dBr at 1935 MHz	2013/05/16 13:44
RF Alert	3G 2100 Euro 52dBr at 1935 MHz	2013/05/16 13:44
RF Alert	3G 2100 Euro 50dBr at 1935 MHz	2013/05/16 13:44
RF Alert	WiFi/Bluetooth 60dBr at 2425 MHz	2013/05/16 13:44
RF Alert	3G 2100 Euro 55dBr at 1935 MHz	2013/05/16 13:44
RF Alert	3G 2100 Euro 57dBr at 1935 MHz	2013/05/16 13:43
RF Alert	3G 2100 Euro 50dBr at 1935 MHz	2013/05/16 13:43

Network Information

Network IP Address	192.168.70.199	setting
Addressing Method	Manual	
Single Host DHCP Server	<input type="radio"/> On <input checked="" type="radio"/> Off	?

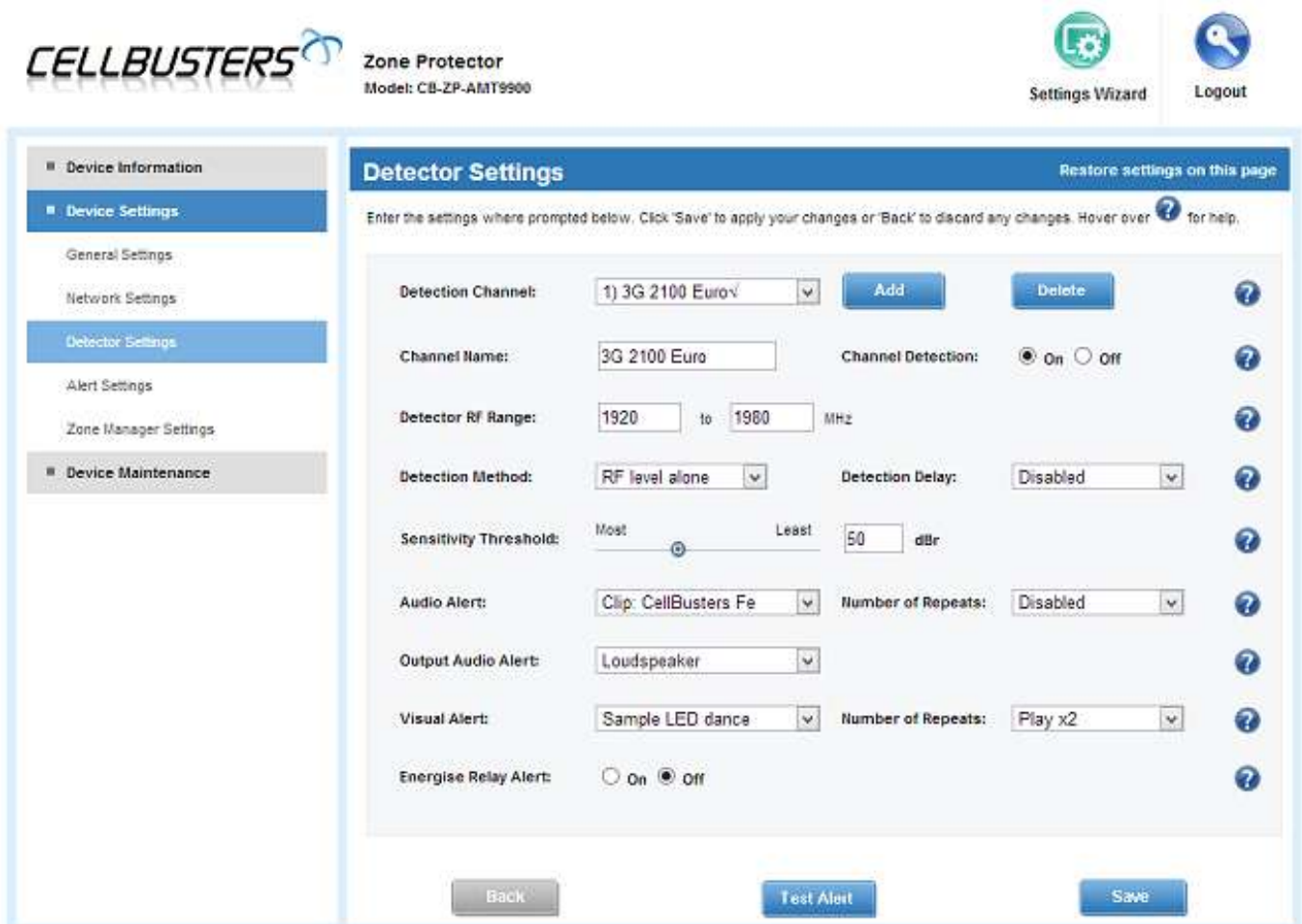
Zone Manager

Server Address		setting
Licence Expiry	2014/05/02	

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Zone Protector™ – Easily add or manage individual detection channels

View, add or manage detection channels in seconds via the Zone Protector's web interface. To add a detection channel simply enter a channel name along with the lower and upper frequency of the range you wish to detect. The versatile design of the Zone Protector™ allows you to control the sensitivity and alerting methods for each individual detection channel. For example, a specific audio clip could be played when a 4G signal is detected but only the relay needs to be energized when a Wifi signal is detected.



The screenshot displays the Zone Protector web interface. At the top left is the CELLBUSTERS logo. To its right, the text reads "Zone Protector" and "Model: CB-ZP-AMT9900". On the top right, there are two icons: "Settings Wizard" (a gear) and "Logout" (a key). The main content area is titled "Detector Settings" and includes a "Restore settings on this page" link. Below the title is a instruction: "Enter the settings where prompted below. Click 'Save' to apply your changes or 'Back' to discard any changes. Hover over ? for help." The settings are organized into several rows, each with a help icon (?):

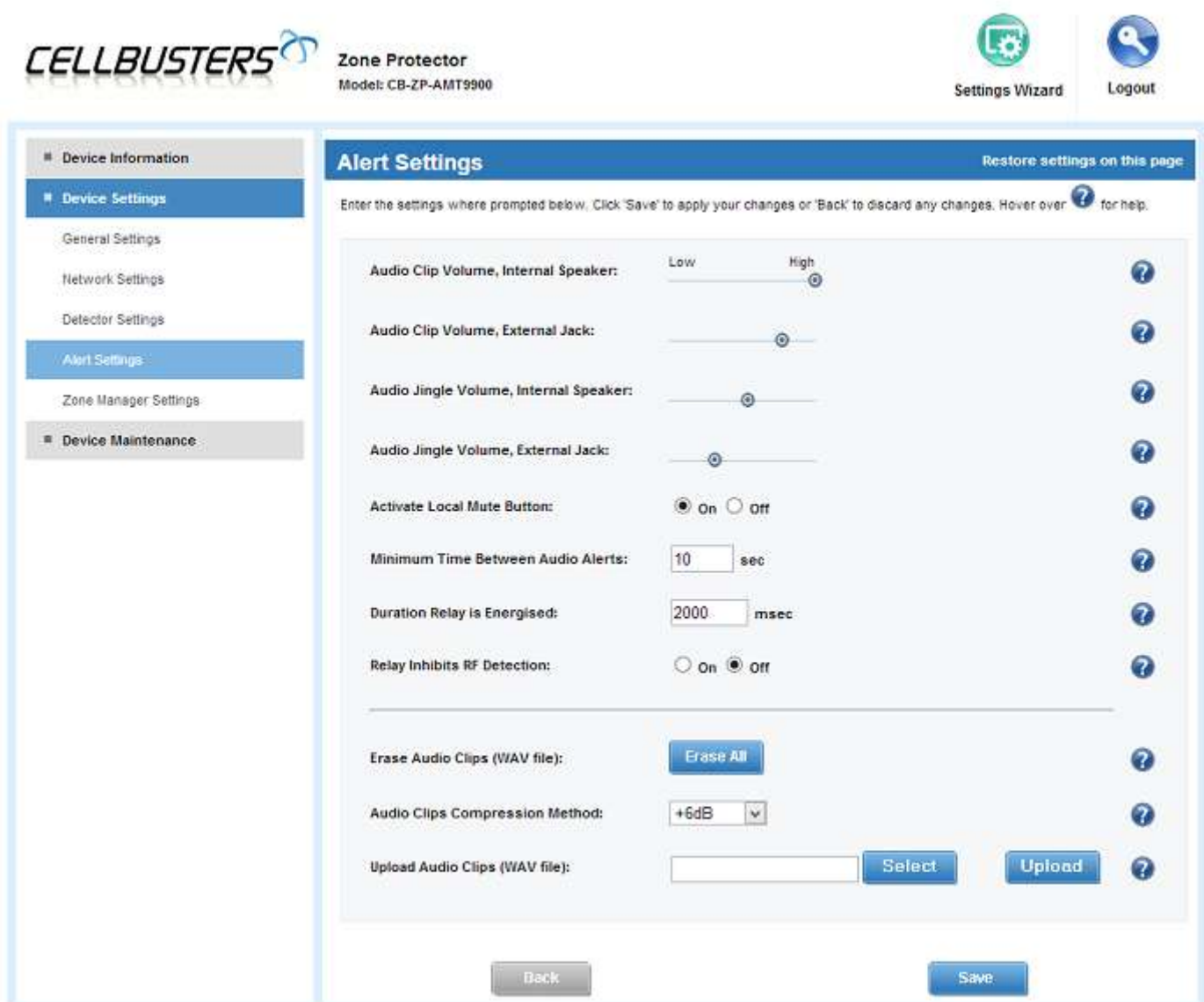
- Detection Channel:** A dropdown menu showing "1) 3G 2100 Euro", with "Add" and "Delete" buttons.
- Channel Name:** A text input field containing "3G 2100 Euro".
- Channel Detection:** Radio buttons for "On" (selected) and "Off".
- Detector RF Range:** Two input fields for "1920" and "1980" MHz.
- Detection Method:** A dropdown menu showing "RF level alone".
- Detection Delay:** A dropdown menu showing "Disabled".
- Sensitivity Threshold:** A slider between "Most" and "Least" with a value of "50" dBm.
- Audio Alert:** A dropdown menu showing "Clip: CellBusters Fe".
- Number of Repeats:** A dropdown menu showing "Disabled".
- Output Audio Alert:** A dropdown menu showing "Loudspeaker".
- Visual Alert:** A dropdown menu showing "Sample LED dance".
- Number of Repeats:** A dropdown menu showing "Play x2".
- Energise Relay Alert:** Radio buttons for "On" and "Off" (selected).

At the bottom of the settings area are three buttons: "Back", "Test Alert", and "Save".

Zone Protector™ - Detect Cell Phones and Hidden Transmission Devices

Zone Protector™ – View and control alert settings

The Zone Protector™ allows you to choose alert settings that are best suited to your environment. For example, you can upload your own custom audio WAV files for more localized or custom announcements. You can choose to select visual alerting only or switch alerting off so the device just silently logs activity. Other settings include audio alert wait time or how the device behaves should the relay be activated, also used in activation of Cell jammers (where allowed by law).



The screenshot displays the Zone Protector web interface. On the left is a navigation menu with sections: Device Information, Device Settings (selected), and Device Maintenance. Under Device Settings, options include General Settings, Network Settings, Detector Settings, Alert Settings (highlighted), and Zone Manager Settings. The main content area is titled 'Alert Settings' and includes a 'Restore settings on this page' link. A help instruction reads: 'Enter the settings where prompted below. Click 'Save' to apply your changes or 'Back' to discard any changes. Hover over ? for help.' The settings are as follows:

- Audio Clip Volume, Internal Speaker: Slider from Low to High, currently at High.
- Audio Clip Volume, External Jack: Slider, currently at approximately 50%.
- Audio Jingle Volume, Internal Speaker: Slider, currently at approximately 25%.
- Audio Jingle Volume, External Jack: Slider, currently at approximately 25%.
- Activate Local Mute Button: Radio buttons for On (selected) and Off.
- Minimum Time Between Audio Alerts: Input field with '10' and 'sec'.
- Duration Relay is Energised: Input field with '2000' and 'msec'.
- Relay Inhibits RF Detection: Radio buttons for On and Off (selected).
- Erase Audio Clips (WAV file): 'Erase All' button.
- Audio Clips Compression Method: Dropdown menu set to '+6dB'.
- Upload Audio Clips (WAV file): Input field, 'Select' button, and 'Upload' button.

At the bottom of the settings area are 'Back' and 'Save' buttons.