



## User Manual Professional Edition



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## Quick Installation Guide



Connect power to the AlphaShield Professional Edition. Middle LED will turn Red.



Connect the “Cable/DSL” port of the AlphaShield Professional Edition to your Modem using the cable provided with the Modem. The Right LED will turn Green, if the switch at the back of the AlphaShield is in AUTO or Manual Mode (LED will be RED if the switch is in LOCK Mode).



Connect the “PC” port of the AlphaShield Professional Edition to your computer or WAN port of the Router using the cable provided with the AlphaShield Professional Edition. The Left LED will turn Green, if the switch at the back of the AlphaShield Professional Edition is in AUTO or Manual Mode (LED will be RED if the switch is in LOCK Mode).



Press the Connect button (Blue/Dark). All LEDs will turn Green. (Press Grey/Light button to Disconnect)

Congratulations! You have successfully installed AlphaShield Professional Edition Hardware Firewall on your computer system.

## **Letter from CEO:**

Dear Customer,

Thank you for purchasing AlphaShield Professional Edition Hardware Firewall and congratulations on choosing our “state of the art” technology to secure your High-Speed Internet connection. AlphaShield's unique feature of “disconnection” sets a new standard of 100% guaranteed security or your money back\*, a claim that is unmatched by any of our competitors. Whether you are a home user, business user, or even on the road with your laptop, AlphaShield Professional Edition will certainly prove to be a very effective tool in providing the highest level of security and privacy for your computer.

With over 30% of all Internet traffic being malicious, it is time that everyone who uses High-Speed Internet takes the necessary steps in protecting his or her computer. Please be sure to advise your friends and relatives about your wise decision of investing in computer security to protect your privacy.

For more information about Internet security issues, the latest Trojans, Product Reviews and Third Party Testing Sites, go to [www.alphashield.com](http://www.alphashield.com) and sign up for our monthly newsletter: “The AlphaShield Internet Security Report.”

We, at AlphaShield, thank you for your support.

Sincerely,

*Vikash Sami*

Vikash Sami  
CEO & Chairman

\* For more information visit <http://www.alphashield.com>

## **Introduction:**

### **AlphaShield Professional Edition:**

According to the National Cyber Security Alliance, the safest way to protect any computer completely is to physically disconnect it from the Internet. AlphaShield Professional Edition allows the customer to protect a computer effectively by seamlessly disconnecting and reconnecting it without Internet service interference. The IP Address is protected and concealed and thus is not visible to be hacked, spied on, advertised to or changed by malicious softwares. It is estimated that over 30% of all Internet traffic is malicious and that the average computer is scanned 7-10 times per hour by third parties. AlphaShield Professional Edition blocks all 65,536 ports in your computer. For Always-On connections, blocking all ports or entry points is critical in securing a computer. Everyone who has High-Speed Internet should have an AlphaShield Professional Edition to protect them.

AlphaShield Professional Edition prevents hacking and damage from worms like MS Blast, BugBear and DoomJuice. It is also easy to install and does not require any software.

### **Features and Benefits:**

AlphaShield Professional Edition is the next generation in network security. It is a stand-alone external hardware device that utilizes cutting edge technology to stop hackers and network attacks before they can access your computer. AlphaShield Professional Edition monitors all inbound and outbound data transmissions between your computer and the outside world. It does all this seamlessly, while maintaining your Internet connection.

AlphaShield Professional Edition has many advanced features and benefits that make it a foolproof security device such as:

- Unique “AlphaGAP” Technology (Trademark: AlphaGAP™)
- RPA (Real-time Packet Authorization)
- IP Stealth Technology (Makes your computer invisible to hackers)
- Dynamic Configuration Technology (Allows the user to unblock a specific port address which can be assigned to one IP address or left open for everyone)
- Stand-alone hardware sentry
- Manual Mode (Timed connection with a logical disconnect)
- Auto Mode (Continuous connection with an optional logical disconnect)
- Lock Mode (Timed connection with a physical disconnect)
- Dynamic Configuration Mode (Allows the user to utilize programs such as Voice over MSN, Remote Access, Gaming which requires remote connection and other similar softwares)
- Instant manual connect/disconnect function
- Auxiliary Port for other IP devices such as VOIP
- Unblocks specific ports or range of ports (Up to either 8 ports or 4 port ranges or a combination of them)

- Unblocks specific IP Addresses with port ranges
- Opens specific IP Addresses and port ranges to allow access through them only
- Opens specific ports or range of ports for hosting and playing games or using IM for voice communication
- Opens ports from a specific IP Address for VPN, Remote Access, etc.
- Blocks all 65,536 ports for both TCP-IP and UDP communications
- Stops most third party pop-ups
- True plug n' play installation and operation
- No technical knowledge needed for setup and installation; less than 1 minute setup
- No future software patches or upgrades required
- Functions with all operating system platforms
- Compatible with Cable, xDSL, or ISDN
- Firmware immune to viruses and alterations
- No conflicts with existing firewalls or routers or any other security softwares
- Eliminates DOS (Denial of Service) and DDOS (Distributed Denial of Service) attacks
- Provides 24/7 online protection

## **Modes of Operation:**

### **Operation in Manual Mode:**

When the Manual Mode is selected, a connection session must be manually initiated by pressing the Connect button (Blue/Dark) on the AlphaShield Professional Edition. Once the Connect button (Blue/Dark) is pressed, the Connect (Center) LED will illuminate green to indicate to the user that he or she is connected to the Internet or Network. After an inactivity period of 15 minutes, AlphaShield Professional Edition will disconnect and enter into a Logical Disconnect state. In order to reconnect, press the Connect button (Blue/Dark).

The Connect (Center) LED will always indicate the connection status of the AlphaShield Professional Edition device.

### **Operation in Auto Mode:**

When the Auto Mode is selected, a connection session must be initiated by pressing the Connect button (Blue/Dark). The Connect (Center) LED will illuminate a solid green to indicate that the AlphaShield Professional Edition is in a connected state. The duration of the connection is infinite, regardless of user activity. It is highly recommended that once the user has completed his or her Internet session, the Disconnect button (Grey/Light) be manually pressed to cause a Logical Disconnect.

### **Operation in Lock Mode:**

When the Lock Mode is selected, a connection session must be manually initiated by pressing the Connect button (Blue/Dark) on the AlphaShield Professional Edition. Once the Connect button (Blue/Dark) is pressed, the Connect (Center) LED will illuminate

green to indicate to the user that he or she is connected to the Internet or Network. After an inactivity period of 15 minutes, AlphaShield Professional Edition will disconnect and enter into the Physical Disconnect state. In order to reconnect, press the Connect button (Blue/Dark).

Note: Physical disconnection may result in your computer releasing the IP Address assignment. The Connect (Center) LED will always indicate the connection status of the AlphaShield Professional Edition device.

**Operation in Dynamic Configuration Mode:**

Dynamic Configuration Mode can be enabled by pressing and holding down both the Grey/Light and Blue/Dark buttons simultaneously for a few seconds. The Dynamic Configuration Mode was designed for a technical user who prefers to configure his or her AlphaShield Professional Edition for personalize usage. To utilize this mode, you will be required to download and install an AlphaShield Professional Edition Configuration Utility. You will need to hold down the two buttons on the AlphaShield Professional Edition unit and press Configure on the AlphaShield Professional Edition Configuration Utility to initiate the new settings. The AlphaShield Professional Edition Configuration Utility program will allow you to enter the IP Address of the remote computer or the Port Addresses of the computer that you prefer to leave open for Remote Access or for hosting games. This mode will also enable you to use VPN connections to access your secure Network or Computer. File Transfers as well as Video and Voice Communications with Instant Messengers such as MSN, AOL, Yahoo, etc. can also be utilized in this mode.

Note: Please be advised that utilizing this mode decreases the level of security for your Computer or Network. AlphaShield Inc. will not offer the 100% guarantee in this mode of operation.

In order to disable the Dynamic Configuration Mode, first press the Disconnect button (Grey/Light) and then the Connect button (Blue/Dark). This will automatically reset the AlphaShield Professional Edition to one of the other modes.

**AlphaShield Professional Edition Time-Out Warning:**

Once connected, by pressing the Connect button (Blue/Dark) in the Manual or Lock Mode, the Connect (Center) LED will remain a solid green if there is any communication activity between the AlphaShield Professional Edition ports. If inactivity occurs for a period of 30 seconds less than the 15-minute timer value (i.e. 14 min. and 30 sec.), the Connect (Center) LED will start flashing green to indicate an impending logical disconnection within 30 seconds.

The user can extend the client session, when the Connect (Center) LED is flashing, by pressing the Connect button (Blue/Dark) within the 30-second warning window.

Once the Connect button (Blue/Dark) is pressed, the timer value will reset to the pre-selected value of 15 minutes and the Connect (Center) LED will return to a solid green indicating an ongoing session.

## Indicators:

### **Inbound Data LED:**



The Inbound Data LED will always remain solid green upon a good link connection. It will flash green when a valid data packet is accepted by the AlphaShield Professional Edition device and under normal traffic conditions.

The Inbound Data LED will flash amber or red upon receiving illegitimate packets that are not destined to the client. These packets will not be permitted through by the AlphaShield Professional Edition device. A high occurrence of illegitimate packets will be displayed by flashing red.

### **Outbound Data LED:**



The Outbound Data LED will always remain solid green upon a good link connection. It will flash green when a valid data packet is transmitted through the AlphaShield Professional Edition device and under normal traffic conditions.

The Outbound Data LED will flash amber or red upon receiving illegitimate packets that are not destined to the Internet. These packets will not be permitted through by the AlphaShield Professional Edition device. A high occurrence of illegitimate packets will be displayed by flashing red.

### **Connection/Disconnection LED:**



The indicator displays one of the following four different statuses:

1. Illuminates solid red to indicate that the connection between the PC port and the Modem port is logically or physically disconnected. No transmission of user data can pass between the PC and the Cable/xDSL ports. The computer is disconnected from the Network. The computer's IP Address assignment will be retained in Auto/Manual Mode (or will be released in Lock Mode).
2. Illuminates solid green to indicate that the connection between the PC port and the Modem port is connected. Only pre-inspected valid user session data packets are permitted to pass between the PC port and the Modem port. IP Stealth, AlphaGAP and RPA technologies are enabled. The AlphaShield Professional Edition's Connect/Disconnect indicator must be green to establish a connection to the Internet or Network.
3. Illuminates a flashing green to indicate that the impending logical or physical disconnect 15-minute inactivity timer value is about to expire. This means that no user sessions have taken place during the timer value and the current connection is 30 seconds away from a logical or physical disconnection. Only user activity, such as clicking onto a web link, or by pressing the Connect button (Blue/Dark) at the top of the AlphaShield Professional Edition, will reset the inactivity timer value and maintain the user session.



4. Illuminates flashing amber to indicate that the Dynamic Configuration Mode is enabled. This mode will allow you to configure your AlphaShield Professional Edition to permit Remote Access or VPN communication for business usage or to utilize Voice or Video Communications over chat programs.

Note: You will be required to download the AlphaShield Configuration Utility from the AlphaShield website at [www.alphashield.com](http://www.alphashield.com).

## **Controls:**

### **Connect Button (Blue/Dark):**

Used to re-establish a new connection after either a logical or physical disconnection. The AlphaShield Professional Edition's Connect button (Blue/Dark) is functional in the Manual, Auto, Lock and Dynamic Configuration Modes.



In Manual Mode, the Connect button (Blue/Dark) must be pressed to re-establish a logical connection after a disconnection. In this mode, the logical disconnection is caused either by the inactivity timer value expiring or the Disconnect button (Grey/Light) being manually pressed by the user. The Lock Mode provides the same functionality except with a physical disconnection.

In Auto Mode, there is no inactivity disconnect timer function. Connections do not time-out and should be manually disconnected by pressing the Disconnect button (Grey/Light) upon completion of the user's Internet session.

### **Disconnect Button (Grey/Light):**

The Disconnect button (Grey/Light) will logically or physically disconnect (depending on user mode selection) any user session currently in progress. The Disconnect button (Grey/Light) is functional in the Manual, Auto, Lock and Dynamic Configuration Modes.



The Disconnect button (Grey/Light) will provide a logical or physical disconnection immediately after being pressed. The Disconnect button (Grey/Light) can be pressed by the user at any time to invoke a session disconnection. This can be used if the Inbound or Outbound Data LEDs are showing excessive intrusion activity.

Note: Regardless of the mode currently in use, it is recommended that the user press the Disconnect button (Grey/Light) when he or she has completed his or her user activity on the Internet or Network. This will ensure the highest level of security. It will disconnect after 15 minutes of inactivity in the Manual or Lock Modes.

### **Mode Selector Switch:**

The slider switch provides 3 user selectable modes of functionality for the AlphaShield Professional Edition device. Each mode will provide a different level of computer security and user convenience.



The first slide position selects the Manual Mode with an inactivity and logical Disconnect timer value of 15 minutes. In this mode, your computer will retain the current IP Address assignment from the Internet Service Provider (ISP).

The second slide position selects the Auto Mode with an inactivity disconnect timer value that is infinite. There is no disconnection. In this mode, the AlphaShield Professional Edition will retain the current IP Address assignment from the Internet Service Provider (ISP). This is the recommended and default setting for AlphaShield Professional Edition.

The third slide position selects the Lock Mode with an inactivity and physical disconnect timer value of 15 minutes. In this mode, your computer may release the current IP Address assignment from the Internet Service Provider (ISP). This is an excellent setting for users with Static IP Address assignment

## **Connection Ports on AlphaShield:**

### **PC Port:**

It is used to connect the computer's high-speed connection or the Router's WAN port.



### **AUX Port:**

It is used to connect the VOIP and other similar devices that do not require protection. It can also be used for testing purposes or for bypassing AlphaShield's security features.



### **Cable/DSL Port:**

It is used to connect the high speed Modem or the Router's LAN port.



## **Trouble Shooting:**

### **My AlphaShield Professional Edition does not power up. Why?**

Ensure that you are using the provided wall mount power adapter (9 volt DC, 200 mA center positive) shipped with the AlphaShield Professional Edition and not some other power adapter.

Make sure that there is 110 volts AC or 220 volts AC being provided through the wall outlet (In North America 110 VAC).

If all of the above is correct, then the provided adapter could be faulty.

### **The Inbound data link status LED does not come on when I connect my AlphaShield Professional Edition to my cable or xDSL Modem. Why?**

Make sure that power is being supplied to your cable or xDSL Modem and that it is switched on. Make sure that the Network RJ-45 (Ethernet) cable is the same as that provided by the Modem manufacturer or your ISP.

Make sure that the AlphaShield's Cable/xDSL port is not being connected to the computer's Network port.

If all of the above is correct, the cable could be faulty. Replace the cable with a similar type of RJ-45 (Ethernet) Network cable.

**The Outbound data link status LED does not come on when I connect my AlphaShield Professional Edition to my computer. Why?**

Make sure that power is being provided to your computer and that the computer is switched on.

Make sure that the Network RJ-45 (Ethernet) cable is a straight through connection provided with the AlphaShield Professional Edition.

Make sure that your Network Interface Card within your computer is not a fixed fast Ethernet 100Mbps card that cannot switch or auto negotiate to 10 Mbps.

Make sure that the AlphaShield's PC port is not being connected to the Cable/XDSL port or the AUX port.

Make sure that you have the RJ-45 jack plugged into a Network Interface Card on the computer and not to some other type of peripheral card.

If all of the above is correct, then the cable could be faulty. Replace the cable with another straight through RJ-45 (Ethernet) Network cable.

**The Connect (Center) LED is always on solid green. Why?**

The Auto Mode has been selected on the rear of the unit. This solid green indication is normal for this mode and the logical 15-minute disconnect time-out is bypassed. The AlphaShield Professional Edition remains always connected and provides security via the IP Stealth and RPA technologies until the Disconnect button (Grey) is manually pressed.

**My AlphaShield Professional Edition does not time-out. Why?**

If AlphaShield Professional Edition is in Auto Mode, then it will not disconnect.

However, if the selected mode is either Manual or Lock Mode, then the connection session timer has not expired because there is client user activity being detected. If the client is downloading or uploading a large file that exceeds the inactivity timer value, the Connect (Center) LED will stay green. The AlphaShield Professional Edition will stay connected and will not disconnect the client until the data file transfer is completed and the timer value expires with no transmission activity. The second condition is the normal operation of the AlphaShield Professional Edition in Manual or Lock Mode

**Cannot make a connection to the Internet and the Connect (Center) LED and Data LEDs are solid red. Why?**

This is normal for the AlphaShield Professional Edition if it is in the Lock Mode. In the Lock Mode, AlphaShield Professional Edition has physically disconnected the computer from the Network connection and will not allow any communication to take place. This mode should be used only if the user requires security of an extreme measure. This mode is recommended if the user does not access the Internet for an extended period of time or has left the computer unattended and wishes no communication to take place between the computer and the ISP.

**The red Connect (Center) LED comes on too often. Why?**

AlphaShield Professional Edition is in Manual or Lock Mode and the user is not creating enough user activity to reset the inactivity disconnect timer. This is normal operation in Manual or Lock Mode if the user is not using his or her Internet connection. The Connect (Center) LED will give a 30-second warning by flashing green prior to disconnection. It will turn red upon a logical or physical disconnection.

**Users' sessions have to be re-established after a logical or physical disconnection. Why?**

Your AlphaShield Professional Edition device contains a memory map of concurrent valid users' sessions while you are connected to the Internet. Once a logical or physical disconnection has taken place, either manually or automatically, the IP map table is discarded. All users' sessions must be re-established after a logical or physical disconnection by re-connecting and making them active again.

**Only one computer will work with my AlphaShield Professional Edition device. Why?**

Your AlphaShield Professional Edition has a provision for a one to one correlation of IP Addresses to computer connections. You must have one assigned IP Address for every computer that is connected to the protected PC port side of the AlphaShield Professional Edition. Your AlphaShield Professional Edition does not employ any type of Network Address Translation (NAT). However, an AlphaShield Professional Edition can protect a network of computers when placed in front of routers.

**Support:**

**100% Unhackable Money Back Guarantee:**

If the original purchaser can prove that he or she was hacked while using a properly installed AlphaShield Professional Edition, with AlphaGAP Technology enabled, AlphaShield Inc. will accept the return of the product and provide a full refund (with proof of purchase) or replace the product at AlphaShield's option.

**Warranty:**

The Manufacturer warrants AlphaShield Professional Edition with an exclusive one-year warranty in workmanship and materials from the date of purchase. The AlphaShield Professional Edition will provide years of Network Security and trouble free operation if properly connected and operated as per the instructions in this manual. If you are experiencing any problems with your AlphaShield Professional Edition, please refer to the trouble shooting section of this manual.

Note: Your AlphaShield Professional Edition device has no user serviceable component within it. Opening the housing will VOID THE WARRANTY and may even cause permanent damage to the static sensitive electronic devices. If you are experiencing any type of problems with your AlphaShield Professional Edition, please refer to the detailed trouble shooting section contained on pages 9-10 of this User Guide.

**Service and Repairs:**

In case the AlphaShield Professional Edition device is found to be defective, the Manufacturer will be obligated only to replace or repair the defective product provided that the following is determined:

The product has not been altered or repaired without the written consent of the Manufacturer.

The product has not failed due to misuse, improper maintenance, carelessness or physical damage.

No other warranty or condition is implied and the Manufacturer under no circumstances is liable for any damages arising from the use of the AlphaShield Professional Edition device.

For repair and service, please contact the Manufacturer at the following:

Email: tech@alphashield.com

Telephone: 1-604-435-0700

Please note that we cannot accept any returns without a proper RMA (Return Merchandise Authorization) number. An RMA number can be obtained by contacting AlphaShield Inc. prior to the shipment of the unit.

**RMA Card:**

AlphaShield Inc. warrants this product to be free of defects and to be fully functional for a period of 12 months from the date of original purchase. AlphaShield will repair or replace at AlphaShield Inc.'s option any unit, without cost, during this period, if the unit is found to be defective for any reason other than abuse or incorrect usage or installation. Do not try to repair the unit. Any modifications of the unit by anyone other than an authorized AlphaShield representative will void the warranty.

If an AlphaShield Professional Edition device needs repair, call AlphaShield for a RMA (Return Merchandise Authorization) number and return the defective unit, freight prepaid, along with a brief description of the problem, to the address specified by the Representative. AlphaShield will repair faulty units beyond the warranty program at a nominal charge. Contact an AlphaShield Sales Representative for details and pricing.

RMA # \_\_\_\_\_

Description of problem:

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**Liability Limitations:**

AlphaShield Inc., its agents, employees, suppliers, dealers, and other authorized representatives shall not be responsible or liable, with respect to the product or any other subject matter related thereto, for any special, indirect, punitive, incidental, or consequential damages including, but not limited to, loss of information, business, profits, revenues, goodwill, use, data or other intangible losses (even if such parties were advised of, knew of or should have known of the possibility of such damages), resulting from the use of or the inability to use, the product and its software, under any contract, negligence, strict liability or other theory.

**Customer Remedies:**

Any liability of AlphaShield Inc., with respect to software or hardware or the performance thereof or defects therein, under any warranty, negligence, strict liability or other theory, will be limited exclusively to product replacement or, if replacement is inadequate as a remedy or, in AlphaShield Inc.'s opinion, impractical, to refund of the purchase price and termination of the license. An AlphaShield device that is returned must be accompanied by a copy of the original purchase receipt and a proper RMA (Return Merchandise Authorization) number. This Limited Warranty is void if failure of the AlphaShield Professional Edition device has resulted from accident, abuse or misapplication. Any replacement AlphaShield will be warranted for the remainder of the original warranty period.

**Notice of Change to Terms and Conditions:**

All content, including terms and conditions, contained herein is subject to change without notice. AlphaShield Inc. reserves the right to change or modify the terms and conditions applicable to the use of its products and softwares at any time. Such changes, modifications, additions, or deletions to the terms and conditions of use shall be effective immediately upon notice thereof, which may be given by any means including, but not limited to, posting new terms and conditions on the company's website: [www.alphashield.com](http://www.alphashield.com). Any use of the products and softwares after such change or modification shall be deemed to constitute acceptance by you of such changes, modifications, additions, or deletions.

AlphaShield Inc. may terminate, change, suspend or discontinue any aspect of the terms and conditions, including, but not limited to, the availability of any features on the company's website or the usage of any services currently and/or previously provided by the company, at any time. AlphaShield Inc. may also impose limits on certain features and services or restrict your access to parts of the company's website without notice or liability.

**Replaceable Components and Returns:**

The only replaceable part of your AlphaShield Professional Edition is the power adapter. Should you misplace, break or damage your power adapter it can be replaced with a standard 9.0 VDC wall power adapter. The ratings should be 9.0 VDC between 200 to 500 mA center positive. This power adapter can be purchased from various electronic

stores and distributors. Should you require a new power adapter, the following 9.0 VDC 300 mA can be purchased from Radio Shack. The Adapter plug size must be 3.4 mm DE x 1.5 mm DI x 7mm Length. In North America, the following power adapter can be purchased:

- Radio Shack Power Adapter Part Number 273-1767 A
- Radio Shack Adapter Plug Part Number 273-1711

The AlphaShield Professional Edition requires a positive polarity to be provided to the center conductor of the power plug. Ensure that the proper adapter plug used is connected to provide proper power to the AlphaShield Professional Edition device.

You can also obtain a replacement universal power adapter directly from AlphaShield Inc. AlphaShield Inc. will charge an amount of \$8.99 U.S. funds for a replacement power adapter plus any additional shipping and handling charges incurred.

Do not use any other type of power adapter, other than the one specified here within the manual, to provide power to the AlphaShield Professional Edition device. Failure to do so may cause permanent damage to the AlphaShield Professional Edition device and will void the warranty.

### **Product Specifications:**

<b>Category</b>	<b>AlphaShield Professional Firewall</b>
Warranty	1 year Limited Warranty
Interface Speeds	Link speeds up to 10 Mbps
Power Supply	DC wall adaptor 9 VDC 1.8 watts
ESD Line Protection	Each port up to 1500 VDC
Electrical Interfaces	3 x IEEE 802.3 10Base-T RJ-45 Connectors
Network Interface	1 x 10Base-T Ethernet client port protected
Network Interface	1 x 10Base-T Ethernet port Modem connection
Network Interface	1 x 10Base-T Auxiliary port unprotected
Software Setup	None, a true plug n' play device
Operating System	Runs on all operating systems (platform independent)
Terminal Interface	Push button control (2 buttons)
Session Reconnect	Manual Intervention (Push Button Reset)
Power Failure Retention	Retained Settings Non-volatile
Device IP Address	No IP Address assignment for device
IP Address Translation	None (Device provides no address translation)
Maximum No. of Users	Up to 30 Computers
Security Connection	Time domain AlphaGAP Technology
Packet Inspection	RPA (Real-time Packet Authorization) Firewall
Supported Protocols	TCP/IP, FTP, UDP, HTTP, TFTP, IMAP, DNS, DHCP
Modes of Operation	3 modes of operation - Manual, Auto, Lock
User Session Times	User Selectable (2 values: 15 and Infinite)
Intrusion Alert	Visual LED Indicator illuminating red or amber



Instant Disconnect	Manual Intervention (Push Button)
Physical Connection	LED Link Status on 10Base-T ports
Power to Device	Power Indicator via Connect (Center) LED
Data Transmission	Inbound/Outbound LED Indicators
Operational Mode	Selectable via Multi-position switch
Connection Indicator	LED Indicator: two colors and two states
Operating Temperature	50 to 110 degrees F

## **Frequently Asked Questions:**

### **I used the scan test and some of my ports are still OPEN or CLOSED, not all STEALTH or BLOCKED, what is wrong?**

You are not testing your computer's IP Address. In some cases, the scanning is not actually done to your computer's IP Address, but to the IP Address of your ISP. Please check the IP Address on the top of the page where you go to perform the test. Please compare it to the real IP Address that belongs to your system. You will be able to check your real IP Address if you visit one of the following sites:  
<http://www.whatismyip.com> or <http://www.whatismyipaddress.com>

### **Does my AlphaShield work with the router?**

Yes! AlphaShield will definitely work in your environment! AlphaShield should be connected between a xDSL/Cable Modem and a router (this includes wireless routers). If connected this way, it will protect your whole Network.

### **Is AlphaShield compatible with Macintosh OS X?**

Yes! AlphaShield is a platform independent hardware. It does not require any configuration and does not need any software to install. Macintosh operating systems rely mostly on AppleTalk protocol, but they do take advantage of TCP/IP when an Internet connection is required. TCP/IP is a default protocol for the Internet and AlphaShield works with any device/node that supports this protocol stack. That is why it really does not matter what operating system you are using as long as TCP/IP protocol is used.

### **In regards to shielding your IP Address, exactly how does this work?**

AlphaShield will show your IP Address to the resource that you visit. This is how TCP/IP protocol works. You have no way to hide it, and it is ok. An IP Address is like a phone number. Everyone needs one to contact the other person, or to get a phone call from somebody. When you request a website your IP Address will be visible to the server you visited. Communication is a two way process and you will not be able to use the Internet if you do not provide an IP Address to the resource you want to visit. Your IP Address is not a credit card number; this is not something that you have to hide all the time. When protected by AlphaShield, your computer will never be detected by any scanning tools and thus would not reply to PING requests. If it cannot be found on the Internet, then it cannot be a target! Even if you visit a server and an attacker gets a hold of your IP Address, your AlphaShield will not reply to any requests. Your computer is essentially invisible.

**What is the use of the switch at the back of the unit?**

Please refer to page 7 regarding Mode Selector Switch.

**Does AlphaShield work in wireless Network configuration?**

Yes! AlphaShield works in most wireless Network environments. The vast majority of home wireless Networks have a xDSL/Cable Modem connected to a wireless access point. A wireless access point will distribute the signal between computers on the same Network. If this is the case, AlphaShield should be placed between your xDSL/Cable Modem and a wireless access point.

**Can an AlphaShield be used to protect connection with USB Modems and dial-up Modems?**

Unfortunately, the current version of AlphaShield does not support dial-up Internet connections, or connections with USB interface.

**Does the AlphaShield work with programs like MSN Messenger or ICQ?**

Yes!

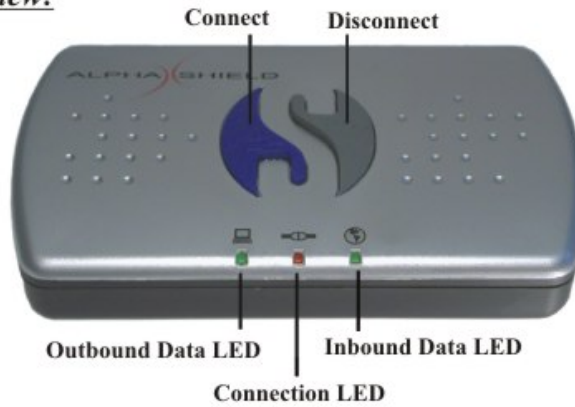
**Do I require an anti-virus software on my computer even though I have an AlphaShield device connected with my system? Can I still receive live updates?**

Even though AlphaShield stops the Trojan worms such as MSBlast, BugBear, and Fizzer, you will still require an anti-virus software to detect viruses that come through emails. AlphaShield will not interfere with any form of live updates

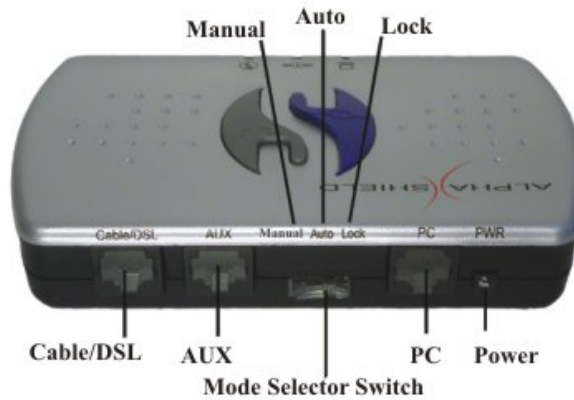
**Does AlphaShield work with Remote access programs like PC anywhere?**

Yes! AlphaShield works perfectly with Remote access programs when it is securing the client computer. Remote Access programs will not work if someone is trying to access from outside since AlphaShield makes your computer invisible unless you are in the Gaming Mode (see page 6 for detail).

**AlphaShield Front View:**



**AlphaShield Rear View:**



**Various Setups:**

