

**DrayTek**

power by SurfControl®

# ***Web Content Filter User Guide***

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# 1. Introduction

## 1.1 Web Content Filter

**All Internet content might carry risks. As a responsible parent or employer, you should protect those in your trust against inappropriate web content.**

- With Web Content Filter, it can help you to avoid your employees accessing improper websites and affecting the work efficiency.
- Web Content Filter technology will help you to protect your children from viewing inappropriate websites and accessing chat rooms
- Web Content Filter software is pre-installed in your router and once activated allows you to monitor and control web access from all computers connected to your router

Once you have activated your Web Content Filter service in Vigor router and chosen the categories of website you wish to restrict, each URL address requested (e.g. www.draytek.com) will be checked against the server database, powered by SurfControl.

The database covering over 70 languages, 200 countries, over 1 billion web pages divided into 40 easy-to-understand categories. This database is updated as frequent as daily by a global team of Internet researchers. The server will look up the URL and return a category to your router. Then your router will decide if access to this site according to the categories you have selected is allowed or not. Please note that this action will not introduce any delay in your web surfing because each of multiple load balanced database servers can handle millions of requests for categorization.

## 1.2 How does it work?

**Once you have activated your Web Content Filter Service and chosen the categories of website you wish to restrict:**

- Each URL address requested (e.g. www.draytek.com) will be checked against SurfControl's server database. Its database houses over 1 billion web pages divided into 40 easy to understand categories. SurfControl's database is the largest in the industry and covers over 70 languages and 200 countries. This database is maintained and updated daily by a global team of Internet researchers
- The server will look up the URL and return a category to your router. Your router will then decide whether to allow access to this site according to the categories you have selected. Please note that this action will not introduce any delay in your web surfing
- At each of SurfControl global locations there are multiple load balanced database servers that can handle millions of requests for categorization

## 2. Free Trial

### Activate Your Free Trial

The software installed on your router allows you to use the Web Content Filter Service free for 30 days.

**Important:** The web pages for different types of routers might change slightly. Please refer to the sample pages that match with the settings on your router.

Follow the steps below to activate the free trail:

#### Step 1

Go to "Advanced Setup - IP Filter/Firewall Setup" and click "Web Content Filter". Then click "Activate Free Trial and Purchase Subscription".

Firewall >> Web Content Filter Setup

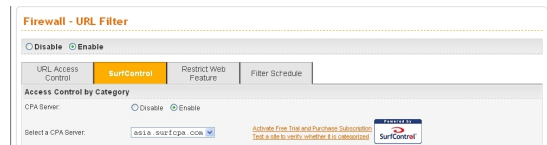


Sample page of Vigor2900V Series



Sample page of VigorPro Series

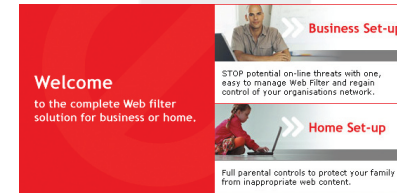
For some models, you have to go to "Firewall - URL Filter" and click the tag of "SurfControl" to acquire the following page.



Sample page of Vigor3300 Series

#### Step 2

A new window will pop up to activate the web filter function of our router. Click "Business Set-up" or "Home Set-up".

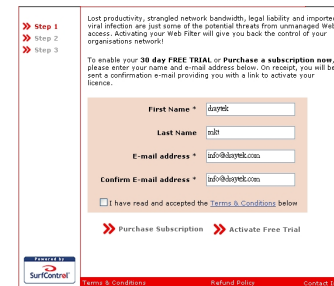


#### Step 3

Fill in Name and E-mail address fields. Click the "I have read and accepted the Terms & Conditions below" box and click "Activate Free Trial".



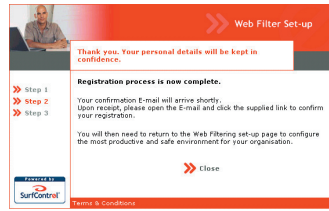
Sample page of Home Setup



Sample page of Business Setup

#### Step 4

Click **Close** to exit the window. Be sure that any anti-spam measures you have in place do not block emails from support@powernetix.com as your confirmation email will come from that address.



**Step 5**

You should receive a confirmation email within a few minutes from PowerNetIX Ltd. Click on the link in the mail to confirm your registration. Your 30 days trial is now active.

Dear Sir/Madam,

Thank you for registering for your 30 day FREE TRIAL. By activating Parental Controls as part of your set up, you can easily control where your children surf, ensuring safe and worry-free access to the wonders of the Internet.

Please click on the link below to confirm your registration.  
<http://surfcontrol.powernetix.com/sc2/others/trialconfirm.php?key=81935e8122f27b43b9ab65741e62927>  
[http://surfcontrol.powernetix.com/sc2/others/trialconfirm.php?key=81935e8122f27b43b9ab65741e62927&type=home\\_thankyou](http://surfcontrol.powernetix.com/sc2/others/trialconfirm.php?key=81935e8122f27b43b9ab65741e62927&type=home_thankyou)  
 You will need to return to the Parental Controls set-up page and decide which categories you wish to block.

Please contact us if you have any further questions:  
 Office hours: 24 hours  
 E-mail: [net@powernetix.com](mailto:net@powernetix.com)  
 Tel (USA): 714-418-4100  
 Tel (Hong Kong): (852) 2189-7222

Sincerely,  
 Subscriptions Manager  
 PowerNetIX Ltd.

**Setting up your filtering categories**

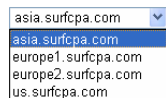
For the Web Content Filter Service to function correctly, it is necessary for you choose the categories of websites that you wish to restrict. For detailed information of each category, please refer to later section in this manual. Once you have selected your categories, you must save the configuration to ensure that the websites corresponding with your chosen categories are restricted.

**Step 1**

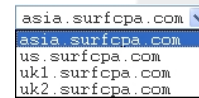
Ensure the Internet Access works correctly before enabling the content filter. If your vigor router is connected to another firewall, be sure that it is not blocking UDP port 9020.

**Step 2**

On the Web Content Filter Setup page, choose your nearest CPA server from the list.



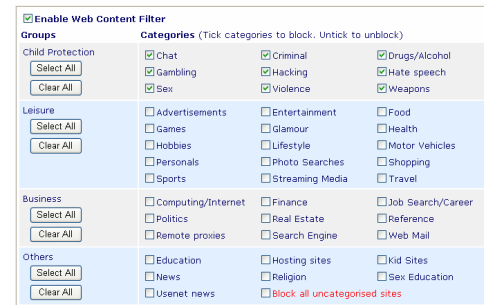
Sample page for Vigor2900V Series



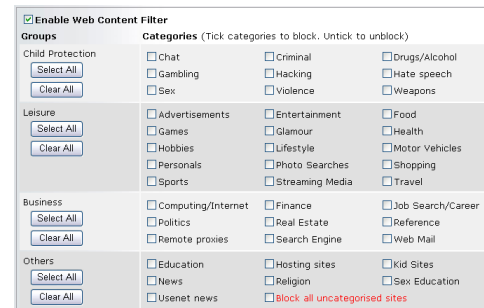
Sample page for Vigor3300 Series

**Step 3**

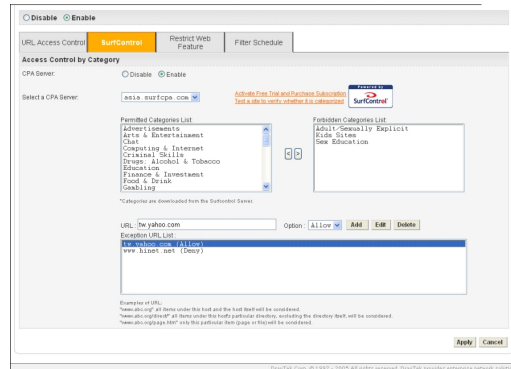
For test purposes, you may want to select all categories; then you should not be able to access any external web sites. You will normally want to block "Uncategorized" sites; tick the corresponding checkbox for that.



Sample page of Vigor2900V Series



Sample page of VigorPro Series



Sample page of Vigor3300 Series

**Step 4**

If you wish the content filter to be active only at certain time, you can enter a schedule number for the time setting. Set the schedule times from "Advanced Setup - Call Schedule Setup" menu. If you do not enter a schedule number, the content filtering is always active.

**Time Schedule**

Scheduler defined in Call Schedule Setup (1-15) => [ ] [ ] [ ] [ ]  
 Note: Action and Idle Timeout settings will be ignored.

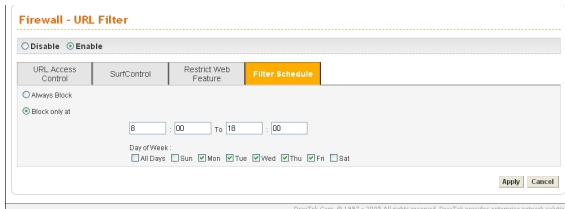
Sample page of Vigor2900V Series

**Time Schedule**

Index(1-15) in Schedule Setup: [ ] [ ] [ ] [ ]  
 Note: Action and Idle Timeout settings will be ignored.

Sample page of VigorPro Series

For some other models, you have to type in time settings on the web page directly instead of time schedule number. See the following page.



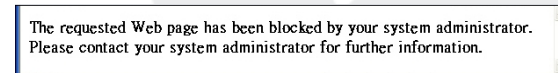
Sample page of Vigor3300 Series

**Step 5**

Close down any open browsers and then open a new browser window and try to access a web site within a category you have blocked. A warning page should appear instead of the web site.



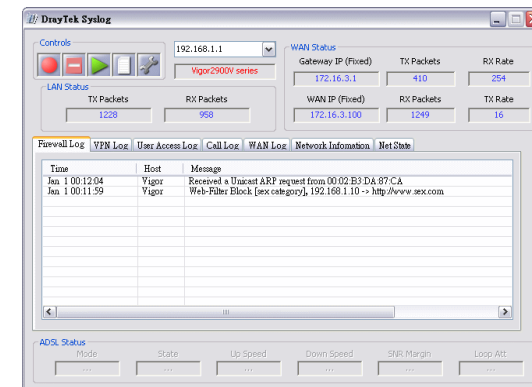
Sample page of Vigor2900V Series



Sample page of Vigor3300 Series



**NOTE:**

1. You can use Syslog to receive the result of Web Content Filter activity.
2. The web management page of the router will never be blocked.
3. You can click on "Test a site to verify whether it is categorized" to test what category a web site is. All web sites not in the SurfControl database will be categorized as "Uncategorized".
4. Web Content Filter cannot be applied to web access through a Proxy or Socks server.
5. When your free trial expires or your subscription lapses, all web sites will be permitted again.



### 3. Subscription and Renewal

Once your 30-day free trial has ended, you may choose to extend the service by renew the subscription. You can pay online by using

 (www.worldpay.com) online payment service or  (www.paypal.com). These are quick and easy to use, whilst being totally secure.

#### **Step 1 ~ 3**

Repeat the same procedures in Activate Your Free Trial.

Then Click on **Purchase a Subscription** at the end. You will be redirected to payment page.

#### **Step 4**

Enter the payment details.

Once you have chosen your method of payment, please insert your card details. Please ensure your e-mail address is the same as the e-mail address you used to subscribe for your 30-day free trial.

#### **Step 5**

Transaction confirmation.

If you are using WorldPay, also you will receive an E-mail coming from WorldPay. You may keep it for your records.

#### **Step 6**

Your subscription is now complete.

You will receive an e-mail from  to confirm your subscription.

### 4. Modifying Settings

The SurfControl database of websites is divided into 40 easy to understand categories as detailed in section 5.

If you wish to update and amend your categories, this can be done by returning to your Web Content Filter section/tab.

Once you have selected the categories you wish to block, you may not need to change them frequently. If however you do, you simply need to return to your router's user interface, log in and change your category settings, remembering as always to save your desired configuration.

## 5. Filtering Categories

Below are details of SurfControl's 40 categories and the type of content they cover. This will allow you to determine which of these you wish to restrict in your routers configuration.

### Adult/Sexually Explicit

- Adult products including sex toys, CD-ROMs and videos
- Adult services including videoconferencing, escort services and strip clubs
- Erotic stories and textual descriptions of sexual acts
- Explicit cartoons and animation
- Online groups, including newsgroups and forums, that are sexually explicit in nature
- Sexually-oriented or erotic full or partial nudity
- Depictions or images of sexual acts, including animals or inanimate objects used in a sexual manner
- Sexually exploitive or sexually violent text or graphics
- Bondage, fetishes, genital piercing
- Nudist sites that feature nudity
- Erotic or fetish photography, which depicts nudity

**NOTE: We do not include sites regarding sexual health, breast cancer, or sexually transmitted diseases (except in graphic examples).**

### Advertisements

- Banner Ad Servers

### Arts & Entertainment

- Television, movies, music and video programming guides
- Downloadable (non-streaming) movie, video or sound clips
- Discussion forums on television, movies, music and videos
- Online magazines and reviews on the entertainment industry
- Celebrity fan sites
- Horoscopes
- Online greeting cards
- Jokes, comics, comic books, comedians or any site designed to be funny or satirical

- Circuses, theatre, variety magazines and radio
- Broadcasting firms and technologies (satellite, cable, etc.)
- Book reviews and promotions, publishing houses and poetry
- Museums, galleries, artist sites (included sculpture, photography, etc.)

### Chat

- Web-based chat

### Computing & Internet

- Reviews, information, buyers guides of computers, computer parts and accessories and software
- Computer/software/Internet companies, industry news and magazines
- Personal storage or backup
- Pay-to-Surf sites
- Freeware, shareware and software downloads
- Clipart, fonts and animated gif pages
- Downloadable mobile phone/PDA games, themes, graphics and ring tones
- Online photo albums/digital photo exchange

### Criminal Skills

- Advocating, instructing or giving advice on performing illegal acts such as phone, service theft, evading law enforcement, lock-picking, fraud and burglary techniques
- Plagiarism/cheating, including the sale of research papers

### Drugs, Alcohol & Tobacco

Recipes, instructions or kits for manufacturing or growing illicit substances, including alcohol, for purposes other than industrial usage

Glamorizing, encouraging, or instructing on the use of or masking the use of alcohol, tobacco, illegal drugs, or other substances that are illegal to minors

Alcohol and tobacco promotional websites

Information on "legal highs": glue sniffing, misuse of prescription drugs or abuse of other legal substances

Distributing alcohol, illegal drugs, or tobacco free or for a charge

Displaying, selling, or detailing use of drug paraphernalia

**NOTE: We do not include sites that discuss medicinal drug use, industrial hemp use, or public debate on the issue of legalizing certain drugs. Nor do we include sites sponsored by a public or private agency that provides educational information on drug use.**



## Education

- Educational institutions, including pre-, elementary, secondary and high schools; universities
- Educational sites: pre-, elementary, secondary and high schools; universities
- Distance education and trade schools, including online courses
- Online teacher resources (lesson plans, etc.)

## Finance & Investment

- Stock quotes, stock tickers and fund rates
- Online stock or equity trading
- Online banking and bill-pay services
- Investing advice or contacts for trading securities
- Money management/investment services or firm
- General finances and companies that advise thereof
- Accountancy, actuaries, banks, mortgages and general insurance companies

## Food & Drink

- Recipes, cooking instruction and tips, food products and wine advisors
- Restaurants, cafes, eateries, pubs and bars
- Food/drink magazines, reviews

## Gambling

- Online gambling or lottery websites that invite the use of real or virtual money
- Information or advice for placing wagers, participating in lotteries, gambling or running numbers
- Virtual casinos and offshore gambling ventures
- Virtual sports leagues and sports picks and betting pools

**NOTE: Casino/Hotel/Resort sites that do not feature online gambling or provide gaming tips are categorized under Travel.**

## Games

- Game playing or downloading; game hosting or contest hosting
- Tips and advice on games or obtaining cheat codes ("cheatz")
- Journals and magazines dedicated to game playing

## Glamour & Intimate Apparel

- Lingerie, negligee or swimwear modelling

- Model fan pages; fitness models/sports celebrities
- Fashion or glamour magazines online
- Beauty and cosmetics
- Modelling information and agencies

## Government & Politics

- Government services such as taxation, armed forces, customs bureaus, emergency services
- Local government sites
- Political debate, canvassing, election information and results
- Local, national and international political sites

## Hacking

- Promotion, instruction, or advice on the questionable or illegal use of equipment. Software for purpose of hacking passwords, creating viruses, gaining access to other computers and/or computerized communication systems
- Sites that carry malicious executables or viruses
- Sites that provide instruction or work-around for SurfControl's filtering software
- Cracked software and information sites
- Pirated software and multimedia download sites
- Sites that provide or promote parasites, including Spyware, Adware and other unsolicited commercial software

## Hate

- Advocating or inciting degradation or attack of specified populations or institutions based on associations such as religion, race, nationality, gender, age, disability or sexual orientation
- Promoting a political or social agenda that is supremacist in nature and exclusionary of others based on their race, religion, nationality, gender, age, disability or sexual orientation
- Holocaust revisionist/denial sites
- Coercion or recruitment for membership in a gang\* or cult\*\*
- Militancy, extremist
- Flagrantly insensitive or offensive material

**NOTE: We do not include news, historical or press incidents that may include the above criteria (except in graphic examples).**

\*A gang is defined as a group whose primary activities are the commission of felonious criminal acts, which has a common name or identifying sign or symbol and whose members individually or collectively engage in criminal activity in the name of the group.

\*\* A cult is defined as a group whose followers have been deceptively and manipulatively recruited and retained through undue influence such that followers' personalities and behavior are altered. Leadership is all-powerful, ideology is totalistic and the will of the individual is subordinate to the group. Sets itself outside of society.

## Health & Medicine

- General health such as fitness and well-being
- Medical information about ailments, conditions and drugs
- Medical reference
- Medical procedures, including elective and cosmetic surgery
- Alternative and complementary therapies
- Prescription medicines
- Hospital, medical insurance
- Dentistry, optometry and other medical-related sites
- General psychiatry and mental well-being sites
- Promoting self-healing of physical and mental abuses, ailments and addictions
- Psychology, self-help books and organizations

## Hobbies & Recreation

- Recreational pastimes such as collecting, gardening, kit airplanes
- Outdoor recreational activities such as hiking, camping, rock climbing
- Tips or trends focused on a specific art, craft or technique
- Online publications on a specific pastime or recreational activity
- Online clubs, associations or forums dedicated to a hobby
- Traditional (board, card, etc.) games and their enthusiasts
- Animal/pet related sites, including breed-specific sites, training, shows and humane societies

## Hosting Sites

- Websites that host business and individuals' Web pages (i.e. GeoCities, earthlink.net, AOL)

## Job Search & Career Development

- Employment agencies, contractors, job listings, career information
- Career searches, career-networking groups

## Kid's Sites

- Child oriented sites and sites published by children

## Lifestyle & Culture

- Home life and family-related topics, including parenting tips, gay/lesbian/bisexual (non-pornographic sites), weddings, births and funerals
- Foreign cultures, socio-cultural information

## Motor Vehicles

- Car reviews, vehicle purchasing or sales tips, parts catalogues
- Auto trading, photos, discussion of vehicles including motorcycles, boats, cars, trucks and RVs
- Journals and magazines on vehicle modification, repair and customization
- Online automotive enthusiast clubs

## News

- Newspapers online
- Headline news sites, newswire services and personalized news services
- Weather sites

## Personals and Dating

- Singles listings, matchmaking and dating services
- Advice for dating or relationships; romance tips and suggestions

## Photo Searches

- Sites that provide resources for photo and image searches

## Real Estate

- Home, apartment and land listings
- Rental or relocation services
- Tips on buying or selling a home
- Real estate agents
- Home improvement and inspection sites

## Reference

- Personal, professional or educational reference
- Online dictionaries, maps and language translation sites
- Census, almanacs and library catalogues
- Topic-specific search engines

## Religion

- Churches, synagogues and other houses of worship
- Any faith or religious beliefs, including non-traditional religions such as Wicca and witchcraft

## Remote Proxies

- Remote proxies or anonymous surfing
- Web-based translation sites that circumvent filtering
- Peer-to-peer sharing

## Sex Education

- Pictures or text advocating the proper use of contraceptives
- Sites relating to discussion about the use of the Pill, IUDs and other types of contraceptives
- Discussion sites on how to talk to your partner about diseases, pregnancy and respecting boundaries

**NOTE: Not included in the category are commercial sites that sell sexual paraphernalia. These sites are typically found in the Adult category.**

## Search Engines

- General search engines (Yahoo, AltaVista, Google) iE

## Shopping

- Online auctions
- Department stores, retail stores, company catalogues and other sites iE Weather bureaus that allow online consumer shopping
- Online downloadable product warehouses; specialty items for sale
- Freebies or merchandise giveaways

## Sports

- Team or conference websites
- National, international, college, professional scores and schedules

- Sports-related online magazines or newsletters

## Streaming Media

- Streaming media files or events (any live or archived audio or video file)
- Internet TV and radio
- Personal (non-explicit) webcam sites
- Telephony sites that allow users to make calls via the Internet

## Travel

- Airlines and flight booking agencies
- Accommodation information
- Travel package listings
- City guides and tourist information
- Weather bureau
- Car Rentals

## Usenet News/Forum

- Newsgroups
- Opinion or discussion forums
- Weblog (blog) sites

## Violence/Offensive

- Portraying, describing or advocating physical assault against humans, animals or institutions
- Depictions of torture, mutilation, gore or horrific death
- Advocating, encouraging, or depicting self-endangerment or suicide, including through eating disorders or addictions
- Instructions, recipes or kits for making bombs or other harmful or destructive devices
- Excessive use of profanity or obscene gesticulation
- Sites promoting terrorism
- Excessively violent sports or games
- Offensive or violent language or satire

**NOTE: We do not block news, historical or press incidents that may include the above criteria (except in graphic examples). USER GUIDE**

## Weapons

- Online purchasing or ordering information, including lists of prices and dealer locations
- Any page or site predominantly containing, or providing links to, content related to the sale of guns, weapons, ammunition or poisonous substances
- Displaying or detailing the use of guns, weapons, ammunition or poisonous substances
- Clubs that offer training on machine guns, automatics and other assault weapons and/or sniper training

**NOTE: Weapons are defined as something (as a club, knife, or gun) used to injure, defeat, or destroy.**

## Web-based E-mail

- Web-based e-mail accounts
- Messaging sites

## 6. Terms & Conditions

### 6.1 Submitting sites for review and inclusion

SurfControl adhere closely to its policy of categorizing a website. This is fully detailed in the section above by category. Its important to remember that the SurfControl database merely categorizes a site for you, it does not make the decision to block that site. This is the user's choice within the user interface provided with their router. SurfControl are happy to review sites that users feel have been inappropriately or inaccurately categorized. Sites can first be tested and then submitted to SurfControl's content research team via the Test-a-site link on SurfControls home page at [www.surfcontrol.com](http://www.surfcontrol.com). Unfortunately due to the volume of sites SurfControl's researchers examine (some 35,000 individual pages per week are added to the SurfControl database) an individual response cannot be given to each submission. Normally sites submitted will be examined within 2-5 working days and included or modified if there has been any error.

### 6.2 PowerNetIX Web Filtering Service and Licence Agreement

PLEASE READ THIS CAREFULLY BEFORE YOU USE OUR SERVICE.

YOUR RIGHT TO USE THE POWERNETIX WEB FILTERING SERVICE (THE "SERVICE") IS SUBJECT TO THE TERMS AND CONDITIONS SET OUT IN THIS LICENCE AGREEMENT ("LICENCE"). BY CLICKING ON THE "I ACCEPT" BUTTON, YOU ARE CONSENTING TO BE BOUND BY THE FOLLOWING TERMS AND CONDITIONS OF THIS LICENCE. IF YOU DO NOT AGREE TO ALL OF THE TERMS AND CONDITIONS OF THIS LICENCE, CLICK ON THE "I DISAGREE" BUTTON AND THE INSTALLATION PROCESS WILL NOT CONTINUE.

This is a legal agreement between you and PowerNetIX Limited at 22/F, China Online Centre, 333 Lockhart Road, WanChai, Hong Kong ("PowerNetIX").

YOU AGREE TO PAY THE LICENCE FEES TO USE THE SERVICE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS LICENCE. SECTION 14 ALLOWS POWERNETIX TO AUTOMATICALLY BILL YOU FOR THE APPLICABLE LICENCE FEES USING THE CREDIT CARD INFORMATION YOU SUPPLY TO POWERNETIX. PLEASE READ SECTION 14 CAREFULLY BEFORE CLICKING ON THE "I ACCEPT" BUTTON.

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You agree that the use of the service may be restricted by applicable laws and regulations, including without limitation, privacy laws. You represent and warrant that your use of the service shall be in compliance with any applicable laws and regulations, including without limitation, privacy laws and that PowerNetIX shall have no duty to and shall not investigate your use of the service or right to use the service. You agree to indemnify PowerNetIX against any claims that your use of the service violates the rights of any third party or any applicable laws and/or regulations of any jurisdictions, except to the extent the service infringes any patent, copyright or trade secret of a third party.

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