

iPrism®

Installation and Configuration Guide

h-Series

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iPrismConfig06.520.002

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iPrism Web Security offers a combination of robust features designed to deliver protection from Internet-based threats such as malware, botnets, viruses, spyware, circumvention tools, unauthorized applications and inappropriate content, while helping enforce your acceptable use and security policies. Your new self-contained, integrated appliance is easy to deploy and manage and is preloaded with the iPrism software.

This guide describes the basic functions and installation of the iPrism h-series, models 15h, 25h, 35h, 55h, and 105h.

iPrism Hardware

This section describes the iPrism front and rear panel, the LEDs and lights on the control panel, and the LCD screen.

Refer to the *iPrism h-Series Appliance Specifications* for a detailed description of each model's hardware configuration. The iPrism documentation is available at:
http://www.edgewave.com/support/web_security/documentation.asp

Front Panel



Figure 1. iPrism Front Panel - Models 15h and 25h



Figure 2. iPrism Front Panel - Models 35h, 55h, and 105h

Rear Panel

Models 15h and 25h

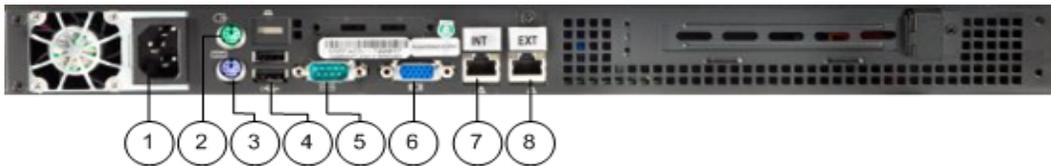


Figure 3. iPrism Rear Panel - Model 15h

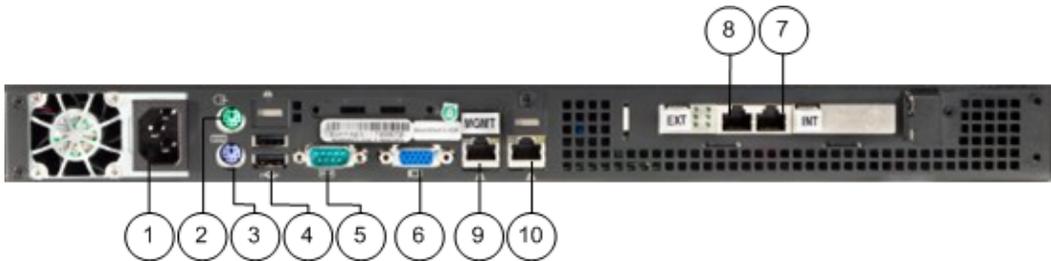


Figure 4. iPrism Rear Panel - Model 25h

1	Power connector	Connects power to iPrism (100 - 240 VAC auto-sensing).
2	Mouse port	Unused
3	Keyboard port	Unused
4	USB ports	Unused

5	Console port	Access to this port is only under the direction of EdgeWave Technical Support for a specific reason.
6	Video port	Unused
7	Internal interface	This port provides auto-sensing Ethernet connectivity to your internal network (the network that iPrism will be filtering).
8	External interface	This port provides auto-sensing Ethernet connectivity to your external network (Internet).
9	Management interface (LAN1)	This port provides a third auto-sensing 10/100/1000 Mbps Ethernet port that can be used for out-of-band management of the iPrism. Note: This is used for advanced configurations only. See the <i>iPrism Administration Guide</i> for more information.
10	Interface	Unused

Models 35h, 55h, and 105h

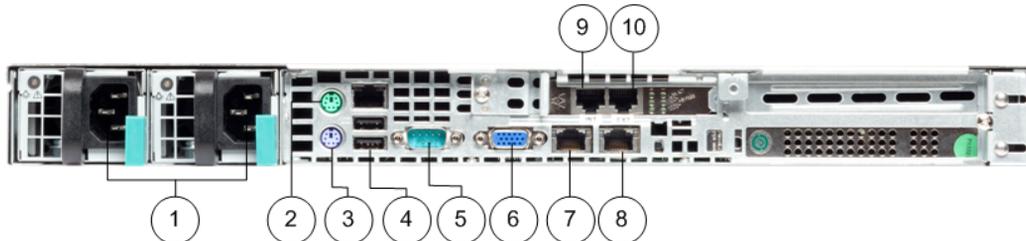


Figure 5. iPrism Rear Panel - Models 35h, 55h, and 105h

1	Power connectors	These connect power to iPrism (240 VAC auto-sensing).
2	Mouse port	Unused
3	Keyboard port	Unused

4	USB ports	Unused
5	Console port	Access to this port is only under the direction of EdgeWave Technical Support for a specific reason.
6	Video port	Unused
7	Management interface (LAN1)	This port provides a third auto-sensing 10/100/1000 Mbps Ethernet port that can be used for out-of-band management of the iPrism. Note: This is used for advanced configurations only. See the <i>iPrism Administration Guide</i> for more information.
8	Interface	Unused
9	Internal interface	This port provides auto-sensing Ethernet connectivity to your internal network (the network that iPrism will be filtering).
10	External interface	This port provides auto-sensing Ethernet connectivity to your external network (Internet).

LCD Screen

The LCD screen is where you set up the initial configuration for models 35h, 55h, and 105h. It shows the current status and prompts for input when needed.

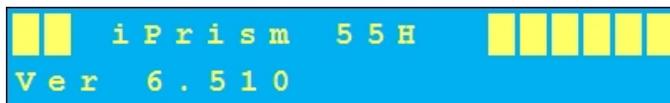


Figure 6. LCD Screen



Note: After 3 minutes of no input the LCD screens returns to this default state. Press the DOWN arrow to return to the previous display.

Front Panel Buttons

The buttons on the front panel are used to navigate through the menus on the LCD, scroll through the possible options, and select settings. These buttons are only on models 35h, 55h, and 105h.

	Press the UP arrow to move to the next menu item or selection. When entering numbers, press the UP arrow to move to the next number.
	Press the DOWN arrow to move to the previous menu item or selection. When entering numbers, press the DOWN arrow to move to the previous number.
	Press the SELECT button to select an item to modify. When entering an IP address, Netmask, or Gateway, press the SELECT button to move through each number field.
	Press the DONE/EXIT button to save each option and move to another menu item. When all options are completed, press it again to EXIT.

Configuring Network Parameters

1. Use the UP and DOWN arrows to display the configuration item you want to change.
2. Press SELECT to change to edit mode.
3. Use the UP and DOWN arrows to scroll through the options.
4. When the selection you want is displayed press DONE/EXIT to select it and return to the menu.
5. When you have finished changing settings, press DONE/EXIT. You will be asked to save or cancel. Press SELECT to save the changes or DONE/EXIT to cancel and revert to the previous settings.

Setting Numerical Values

The currently selected digit flashes on the LCD panel.

1. Use the UP and DOWN arrows to scroll through the numbers.
2. When the number you want is displayed, press SELECT to move to the next digit in the sequence.
3. Do this for each digit of the number (e.g., IP address).



Note: If a section of an IP address only has two digits (not three), enter a zero as the first digit for that section.

4. When you have finished entering the full number, press DONE/EXIT. If you entered an IP address with leading zeros in any section, the IP address will show correctly (with no zeros).

LEDs and Lights

The LEDs and lights on the iPrism control panel keep you informed of the system status. The following LEDs and lights are available on the h-Series:



UID: Unit identifier. Pressing the UID button illuminates an LED on both the front and rear of the appliance so you can locate the appliance in a large stack configuration. The LED remains on until the button is pushed a second time. Another UID button on the rear of the appliance serves the same function.



U: Universal Information LED (models 35h, 55h, and 105h). When this LED blinks red quickly, it indicates a fan failure; when blinking red slowly, it indicates a power failure. When on continuously, it indicates an overheat condition, which may be caused by cables obstructing the airflow in the system or the ambient room temperature being too warm. Check the routing of the cables and make sure all fans are present and operating normally. You should also check to verify that the appliance chassis covers are installed. Finally, verify that the heatsinks are installed properly (if you need assistance with this, contact Technical Support). This LED will remain on or flashing as long as the indicated condition exists.



NIC2:
Model 15h - Flashing indicates network activity on the external interface port.
Models 25h, 35h, 55h, and 105h - Unused.



NIC1:
Model 15h - Flashing indicates network activity on the internal interface port.
Models 25h, 35h, 55h, and 105h - Flashing indicates network activity on the management port.



HDD: Indicates IDE channel or SATA activity when flashing.



Power: Indicates power is being supplied to the system's power supply unit(s). This LED should normally be illuminated when the system is operating.



Reset: Reboots the system.



Important: Do not press the Reset button until you have shut down the iPrism from the **Exit > Shutdown** menu option. This cleanly terminates the current iPrism services and network connections and prepares iPrism to be powered down using this button.



Power Button: Used to apply or remove power from the power supply to the server system. Turning off system power with this button removes the main power but keeps standby power supplied to the system.



Important: Do not press the Power button until you have shut down the iPrism using the **Exit > Shutdown** menu option. This cleanly terminates the current iPrism services and network connections and prepares iPrism to be powered down using this button.

Installing your iPrism consists of the following steps, detailed in this guide.

1. Set up the iPrism for testing, evaluation, and initial configuration.
2. Configure the iPrism for test usage on your network. Define the web and application profiles and filters you want to use, and ensure the iPrism works with your authentication system. During this time, your user community can test the iPrism's ability to filter web traffic by configuring their browser to use the iPrism as a proxy (see [Configuring Your Browser for Proxy Mode](#)).
3. After the iPrism has undergone initial testing by your IT team, it can be permanently deployed in either of the following modes:

Bridge (Transparent) Mode (the preferred operating mode): Connect the iPrism between your internal network and the Internet, inside the firewall if you have one. Enable the external interface in bridge (transparent) mode.

Proxy Mode: Inform your user community that they must use the iPrism as a proxy or create a domain policy that makes the iPrism the proxy for everyone. Change the firewall rules to block any HTTP traffic that does not come from the iPrism.

This section provides detailed step-by-step instructions for installing and configuring your iPrism. To quickly set up your iPrism in proxy mode, refer to the [Quick Start Guide](#) at http://www.edgewave.com/support/web_security/documentation.asp.

System Requirements

The iPrism configuration utility is accessed via a web browser. The following browsers (current versions) are supported.

Windows

- Internet Explorer
- Firefox

Macintosh

- Safari
- Firefox

Before You Begin

The first step in the installation process is ensuring you have all of the necessary information to install and configure your iPrism.

Begin by printing and completing the [Information Sheet](#). Follow the instructions below to locate the information you need.



Note: If you already know this information and can complete the information sheet, you can skip to [Mounting the iPrism](#)

(A) IP Address and **(B) Netmask:** The iPrism appliance requires a unique IP address on the subnet to which it is installed. Locate the available IP address and its netmask on your network and enter them on the information sheet. The computer you are using for configuration and the iPrism **must** be able to communicate over the LAN. In addition, when configuring the iPrism, you **must** choose network settings matching the network on which your computer is located.

To locate your current IP address, do the following from your computer:

1. Open a command prompt.
2. At the `C:>` prompt, type:
`ipconfig /all`
3. Look for the Ethernet adapter Local Area Connection, e.g.:

```
Ethernet adapter Local Area Connection:  
Connection-specific DNS Suffix . . : .example.com
```

```
IP Address..... : 192.168.1.10
Subnet Mask..... : 255.255.255.0
Default Gateway..... : 192.168.1.1
```

Select an IP address for the iPrism on the same IP network. Using the example above, you can choose any available IP address in the 192.168.1.1 - 192.168.1.254 range.



Important: Verify that the IP address you choose is not in use by another system.

(C) Default Route (Gateway) Address: The default route refers to the IP address of the device, usually a firewall's internal interface, that lies between the local network (subnet) and the Internet. This address should be on the same physical network as the iPrism.

(D) Name Server (DNS): Since the iPrism and its clients tend to look up many of the same host names, you can improve efficiency and your cache hit rate by using the same DNS server for the iPrism and the computers that use it. Enter the IP address of this DNS server here.

(E) iPrism Host Name: During the setup procedures, you will be asked to assign a host name to the iPrism appliance. The name you choose should reflect your DNS domain, such as `iprism.example.com`. You can then create an entry for iPrism in your domain DNS configuration (some email filters will not deliver email from a system with no DNS entry).

(F) iPrism Serial Number: Your iPrism serial number can be found on your iPrism appliance.

(G) License Key Expiration Date: Your license key file was sent by email as an attachment. This key will expire with the termination of your license agreement or subscription.

Mounting the iPrism



Note: For models 15h and 25h, if the final location for the iPrism does not have DHCP you can temporarily locate the iPrism in a location that does have DHCP, and do the final mounting after setup. DHCP automates some of the setup.

Mount the iPrism and plug it in:

1. Unpack the iPrism appliance and mount it in its final location (e.g., a 19-inch rack).

If you need help installing the iPrism in a rack or installing rails, see the Knowledgebase article "Installing iPrism on a Rack" at:

http://www.edgewave.com/support/web_security/help_6-4/IP0474.htm

2. Connect the power cord to the back of the iPrism and plug it in.

Hardware Setup

This section describes how to connect the iPrism appliance to your network in **proxy mode**. This is done in the least obtrusive way possible, allowing your network to operate normally during setup.

Identifying the Cables

The cables shipped with your iPrism can be distinguished by holding one of the cables at each end so the connectors are oriented the same way. The color-coding of the wires in each connector indicates the type of cable:

- If the colors are in the same order, it is a standard Ethernet patch cable.
- If the colors are in a different order, it is a crossover cable. The crossover cable's package is marked as such.

Setting Up Models 15h and 25h

To set up iPrism using DHCP:

1. Connect one end of the white Ethernet cable to the iPrism's Internal interface.
2. Connect the other end of the cable to your internal network, in a location where DHCP is working.



Important: Do not connect the external side of the iPrism at this point. This configuration is used for initial setup and testing so as not to interrupt network traffic. The configuration may be changed later, when iPrism is deployed in bridge (transparent) mode (see Deploying iPrism in Production).

3. Press and hold the power button to turn on the iPrism.

A DHCP server automatically assigns an IP address and valid network parameters to the iPrism.

4. Wait a few minutes and then go to:

<https://portal.edgewave.com/ipconfig.aspx>

5. When prompted, enter the 5-digit iPrism serial number and click **Submit**.

You are redirected to the installation wizard for your iPrism.

6. Run the Installation Wizard as described below.



Note: At the Network Parameters screen, enter the settings for the location where iPrism will ultimately be placed on your LAN. The parameters shown were obtained by DHCP with the exception of the IP address (blank, fill in the correct address) and host name (replace the example name).

To set up iPrism without using DHCP:

1. Attach a keyboard and monitor to the back of the iPrism.
2. At the first screen, press Enter.
3. Select menu option 1.
4. Enter the information from the [Information Sheet](#) when prompted.
5. Run the Installation Wizard as described below.

Setting Up Models 35h, 55h, and 105h

To set up iPrism using the LCD panel:

1. Connect one end of the white Ethernet cable to the iPrism's Internal interface.
2. Connect the other end of the cable into the core switch or router that serves the local network.



Important: Do not connect the external side of the iPrism at this point. This configuration is used for initial setup and testing so as not to interrupt network traffic. The configuration may be changed later, when iPrism is deployed in bridge (transparent) mode (see [Deploying iPrism in Production](#)).

3. Press and hold the power button to turn on the iPrism.

When the iPrism is powered up and ready, the LCD screen shows the software version number. This may take a couple minutes.

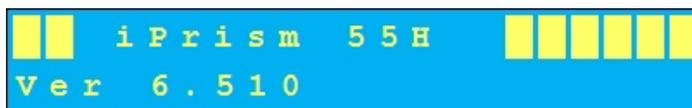


Figure 7. LCD Screen at Startup

4. Set the network parameters. See [Front Panel Buttons](#) for details on using the LCD panel buttons to move between settings and options.
 - a. Locate your iPrism's IP address, subnet, and gateway on the [Information Sheet](#).
 - b. Verify the iPrism is powered up and the software version number is showing on the LCD panel.
 - c. Set the iPrism IP address.
 **Note:** Your iPrism ships with the IP address 199.248.230.1 so that it won't conflict with other devices on your network. This needs to be changed.
 - d. Set the netmask.
 - e. Set the gateway.
 - f. Set the link speed (default is auto).
 - g. Set the link duplex (full is used for most systems).
When you exit the link duplex setting, you are asked if you want to save the config.
 - h. Press SELECT/YES to save the settings.
5. Run the Installation Wizard as described below.

Running the Installation Wizard

You can complete the installation from any workstation on the same network as your iPrism.



Important: Make sure your browser is not configured to use a proxy while you are running the iPrism Installation Wizard.

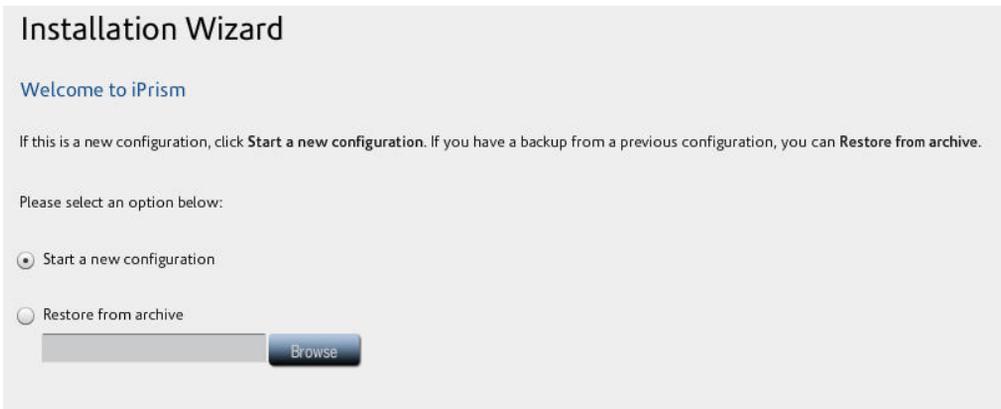
1. Open a web browser. See [System Requirements](#) for a list of browsers that are supported for installation.
2. Enter your iPrism's IP address into the browser window.
3. If you receive a certificate error message, click **Continue** to bypass the message.
4. At the Installation Wizard Login screen, type the default username `iprism` and password `setup`. Click **Login**.



The screenshot shows the ST BERNARD iPrism logo at the top. Below it, the text "Installation Wizard Login" is centered. There are two input fields: "Username" and "Password". Below the "Password" field is a blue link for "Forgotten Password" and a blue "Login" button.

Figure 8. Installation Wizard Login

5. Review the license agreement and click **Agree**.
6. On the Installation Wizard screen, select a configuration option:
 - Select **Start a new configuration** if this is a new configuration.
 - Select **Restore from archive** if you have a backup of a previous configuration you wish to use. Click **Browse** and locate the backup file. The archived configuration is used as the base for configuring the new iPrism. When the configuration is complete, the iPrism shuts off. Move it if needed, and then restart it. Continue with step 19 below (log in).

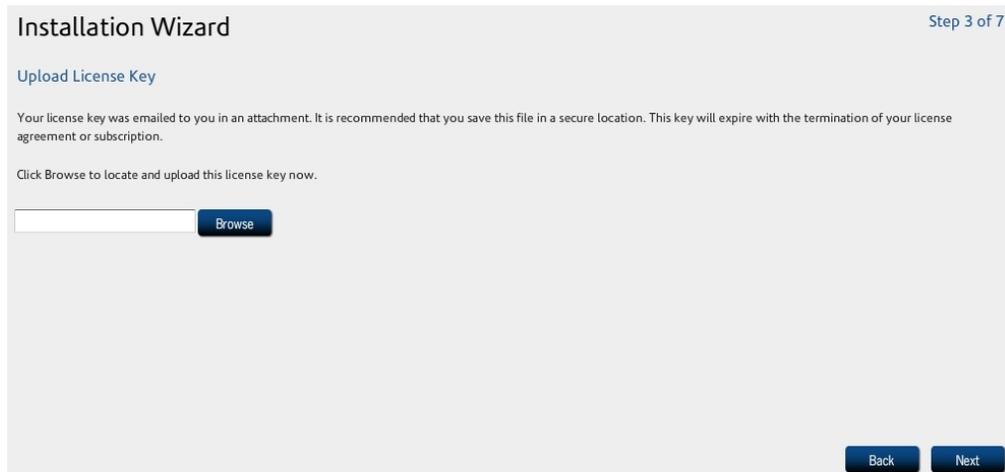


The screenshot shows the "Installation Wizard" title. Below it is the text "Welcome to iPrism". A paragraph of instructions follows: "If this is a new configuration, click Start a new configuration. If you have a backup from a previous configuration, you can Restore from archive." Below this, it says "Please select an option below:" and there are two radio button options: "Start a new configuration" (which is selected) and "Restore from archive". Below the "Restore from archive" option is a text input field and a blue "Browse" button.

Figure 9. Configuration Options

7. Click **Next**.

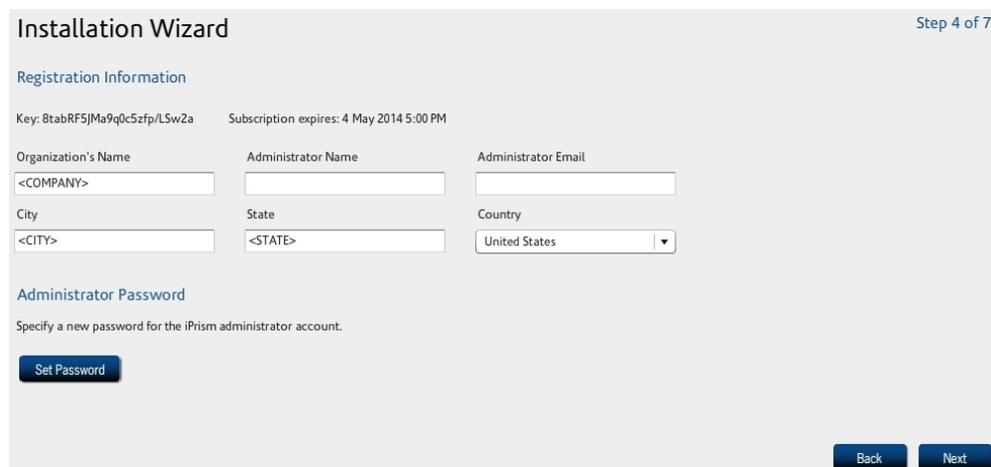
- Your license key was emailed to you, included as an attachment. Click **Browse** to locate and upload the license key file, then click **Next**. Your subscription information is retrieved.



The screenshot shows the 'Installation Wizard' interface at 'Step 3 of 7'. The main heading is 'Upload License Key'. Below this, there is a paragraph of text: 'Your license key was emailed to you in an attachment. It is recommended that you save this file in a secure location. This key will expire with the termination of your license agreement or subscription.' Below the text is another paragraph: 'Click Browse to locate and upload this license key now.' There is a text input field followed by a 'Browse' button. At the bottom right, there are 'Back' and 'Next' buttons.

Figure 10. Upload License Key

- Enter the registration information (all fields are required).



The screenshot shows the 'Installation Wizard' interface at 'Step 4 of 7'. The main heading is 'Registration Information'. Below this, there is a line of text: 'Key: 8tabRF5JMa9q0c5zfp/LSw2a Subscription expires: 4 May 2014 5:00 PM'. Below this are three columns of input fields: 'Organization's Name' (with a placeholder '<COMPANY>'), 'Administrator Name', and 'Administrator Email'. Below these are three more columns: 'City' (with a placeholder '<CITY>'), 'State' (with a placeholder '<STATE>'), and 'Country' (a dropdown menu with 'United States' selected). Below the input fields is the heading 'Administrator Password' and a paragraph: 'Specify a new password for the iPrism administrator account.' There is a 'Set Password' button. At the bottom right, there are 'Back' and 'Next' buttons.

Figure 11. Registration Information

- Click **Set Password**. Enter a new password for the iPrism administrator account, then enter it again for confirmation. Click **OK**.

A screenshot of a dialog box titled "Administrator Password". The dialog box has a blue header bar with a close button (X) in the top right corner. Inside the dialog, there are three text input fields. The first is labeled "Username" and contains the text "iprism". The second is labeled "Password" and is currently empty. The third is labeled "Confirm Password" and is also empty. At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

Figure 12. Set Administrator Password

11. Click **Next**.
12. Enter the network settings (required fields are indicated by an *). Use the information sheet as a reference.
 - Enter the iPrism Host Name.
 - Click **DNS Settings** to enter a Name Server. If you are using Active Directory, specify a domain controller that provides the service.
 - The other information is completed automatically based on DHCP or manual configuration, or information you entered on the LCD panel.



Note: The iPrism is initially set up in proxy mode for testing. Only the internal interface is connected to the Internet and the iPrism acts as a filtering web proxy. The iPrism may later be set to a dual-interface configuration using bridge (transparent) mode when it is ready for production. For descriptions of each mode, see Deploying iPrism in Production.

Installation Wizard Step 5 of 7

Network Settings

Refer to the worksheet you completed in your *iPrism Quick Start Guide* for the information needed to complete the fields on this screen. * denotes mandatory field.

Host Name *

IP Address *

DNS Servers
No DNS Servers **DNS Settings**

Netmask *

Default Gateway *
 Static Routes

Interface Negotiate Mode *

Back **Next**

Figure 13. Network Settings

13. Click **Next**.
14. Select the filtering rules (Profiles) to apply to web and application traffic.

Installation Wizard Step 6 of 7

Filter Settings

Define which set of filtering rules (Profile) applies to Web and Application access traffic.

	Do NOT block any traffic but monitor everything	Block ONLY offensive traffic and monitor everything
Web	<input type="radio"/>	<input checked="" type="radio"/>
Applications	<input type="radio"/>	<input checked="" type="radio"/>

Select the time zone for the iPrism

Time Zone *

Back **Next**

Figure 14. Filter Settings

15. Select the Time Zone for your iPrism (this is usually the city that is closest to you geographically).
16. Click **Next**.

Installation Wizard Step 7 of 7

Review Settings

Review your settings. Click Back to make any changes. Click Finish to save your settings. Print

Registration Information		Time Settings		
Organization's Name	City	Time Zone		
Write on the Edge, Inc.	Vista	America/Los_Angeles		
Administrator Name	State			
Suzanne Hosie	CA			
Administrator Email	Country			
shosie@wote.com	United States			
Network Information				
Host Name	IP Address	Netmask	DNS Servers	Default Gateway
iprism.example.com	10.3.0.11	255.255.0.0	<Undefined>	10.3.1.1
Network Mode	IP Address To Monitor			
Bridge (transparent) mode	0.0.0.0 - 255.255.255.255			

Back Apply

Figure 15. Review Settings

17. Review your settings.

- To make corrections, click **Back**.
- To print this screen for later reference, click **Print**.
- When the settings are correct, click **Apply**.

18. Click **Yes** to save the new settings.

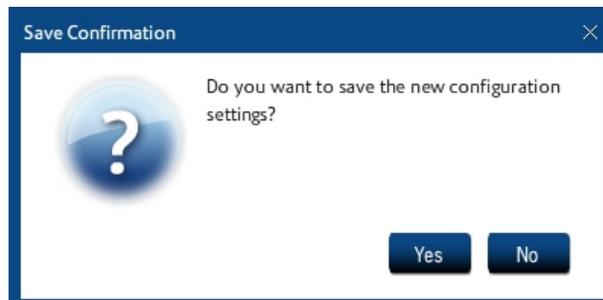


Figure 16. Save Settings

The iPrism configuration begins. This will take 4-5 minutes.

19. Log in to your iPrism.

20. The iPrism home page appear after login. You can now begin working with your iPrism. Refer to the *iPrism Administration Guide* for detailed information.



Figure 17. iPrism Home Page

If the iPrism home page does not appear, try the following to resolve the issue:

- Use the ping command to try to access the iPrism over the network.
- Verify that the IP address you typed into the browser's address bar is correct.
- Check all of the cable connections to and from the iPrism.
- Wait two minutes, then try again.

Run this test to verify that your iPrism has been installed successfully. If the test fails, do not proceed until the problem is resolved and the test passes.

Test: Using the iPrism as a Proxy Server

This test verifies that the iPrism can be used as a proxy server.

1. Configure your web browser to use the iPrism as the proxy server. For detailed instructions on how to do this, see [Configuring Your Browser for Proxy Mode](#).
2. Use your browser to connect to a site that should be blocked - www.edgewave.com/test2 is rated specifically for this purpose. You should see an Access Denied page.

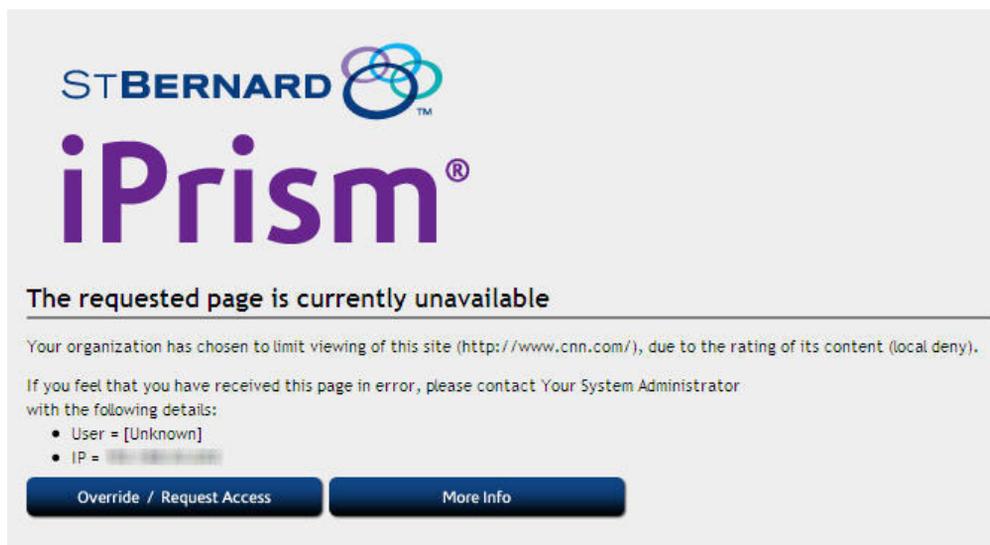


Figure 18. Blocked Site

3. Use your browser to connect to a site that should not be blocked, such as www.yahoo.com. You should be able to access this site.

If this test is successful, you can deploy your iPrism to your user community for testing. Each user must configure their browser to use iPrism as the proxy server.

If this test (blocked site) fails (i.e., you are able to access a site that should be blocked), try the following to resolve the issue:

- Type a different URL, refresh the page, or clear your cache. If the test page you are trying to access is stored in your cache, the iPrism cannot block it.
- Verify the proxy settings. Ensure that you entered the iPrism's IP address properly and specified a port value of **3128**.

If you are unable to load a web page that is not blocked:

- Verify the existence and/or validity of your Default Gateway (also known as the Default Route) within the iPrism Configuration Manager (located in the **System** section's **Network** section).

If you experience a filtering error:

- The iPrism iGuard™ database may need to be updated; iPrism will do so automatically within 20 minutes, after which you can try the test again. Alternately, you can update the iGuard database immediately by doing the following (you must have a working Internet connection):
 1. From the iPrism home page, select **System Settings**, then **System Preferences**.
 2. In **Filter List Updates**, click **Update Now** to download an updated filter list.



Note: This can take up to 20 minutes.

If you continue to experience a filtering error after updating the iGuard database, contact Technical Support.

Advanced Configuration Options

Your iPrism is now installed and set up so that you may configure it, test the results, run reports, and generally experiment with your system before deploying it in a production environment. iPrism has an extensive list of features; details can be found in the *iPrism Administration Guide*.

Advanced configuration options include:

- Various filters for different types of users
- Using your existing Windows or LDAP authentication service for user management
- Defining time-dependent filters
- Creating reports and using drill-down reporting
- Using the “Management Port” to manage the iPrism on a secure subnet
- Configuring static routes (this may be necessary if you have a complex internal network with many subnets)

When installation is complete, the iPrism is set to bridge (transparent) mode. Alternatively, you can setup iPrism to operate in proxy mode.

Bridge (Transparent) Mode

Bridge (transparent) mode is an “in-line installation” which has two network (NIC) connections. All network traffic destined for the Internet (e.g., email and web) flows through the iPrism, and a single IP address is used by both interfaces. iPrism filters web and application traffic only. It is best to position iPrism between the outbound Internet connection and an internal switch to limit traffic handling to outbound Internet traffic. This is the preferred mode in which to deploy and operate an iPrism.

The iPrism can act as a filtering web proxy or be used with a terminal server when in bridge (transparent) mode. Users can configure their browsers to point at the iPrism, just as they do in proxy mode. Web and application traffic is filtered for these users.

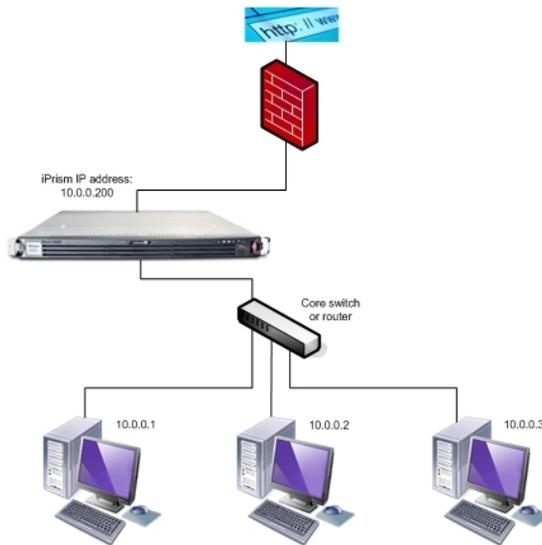


Figure 19. Bridge (Transparent) Mode

By default, iPrism is set up in bridge (transparent) mode when installation is complete.

To verify the settings and deploy iPrism:

1. Verify the system settings:

- From the iPrism home page, select **System Settings**, then **Network ID**.
- Verify that the external interface is enabled. Select a **Mode** (Auto, 10, 100, or 1000).
- If you are using a Management Interface (optional), select the **Mode** (Auto, 10, 100, or 1000). If you are not using a Management Interface, leave the **Mode** as **Disabled**.
- Click **Save** to save the settings.
- If you made changes, click **Activate Changes** to activate these changes immediately. If you do not activate the changes now, you will be prompted to do so before logging out of iPrism.

Identity

Host Name (Fully Qualified Domain Name)

iprism.example.com

Internal Interface

IP Address	Netmask	Mode	MTU
10.3.0.11	255.255.0.0	auto	1500

External Interface

Mode

auto

Management Interface

IP Address	Netmask	Mode	MTU
0.0.0.0	0.0.0.0	Disabled	1500

Save Revert

Figure 20. Network ID Settings

2. If you are using a complex network with multiple subnets or VLANs, careful planning is required. See the knowledgebase article:

http://www.edgewave.com/support/web_security/help_6-4/iPrism/Networking/SubNets/IP0271.htm

3. Shut down your iPrism.



Note: Do not change any of the routing tables on your network. Previous releases of the iPrism required router changes for deployment in bridge (transparent) mode; this is no longer necessary.

4. Remove the connection between your switch and the Internet. Connect the external interface of the iPrism to the internal interface of the firewall.
5. Turn on the iPrism.

Proxy Mode

In **proxy mode**, iPrism uses a single internal interface to connect to the Internet. Proxy mode uses one network (NIC) connection, as only the internal interface is connected to the local network. The iPrism acts as a filtering web proxy; web and IM network traffic explicitly directed to the iPrism is filtered. This is the preferred mode in which to operate the iPrism during testing.

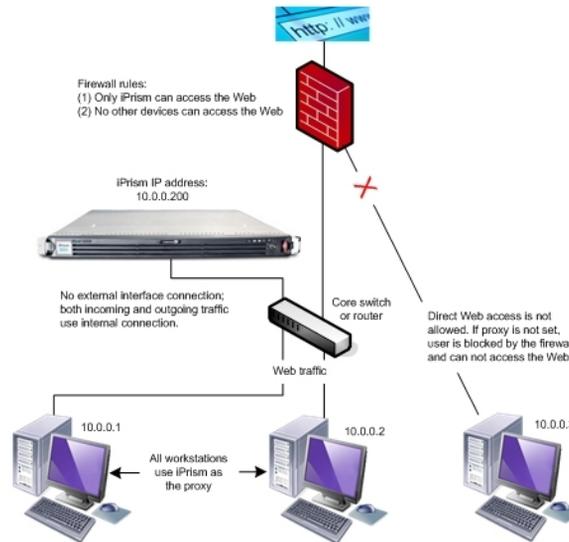


Figure 21. Proxy Mode

To use your iPrism system in proxy mode:

- Configure all workstations to use the iPrism as the proxy, or define a domain policy/configuration that requires all users to use the iPrism as the proxy.



Note: For an extra layer of effectiveness, configure your firewall to disallow all traffic on port 80 for all systems except the iPrism.

The figure above shows the iPrism configured in single-interface proxy mode. Note that only the internal interface is used; traffic comes into the iPrism via the internal interface, and the iPrism proxies to the Internet using the internal interface. The first two workstations have been configured to use the iPrism as their proxy, so all of their web traffic goes through the iPrism. The iPrism then filters the traffic and sends it to the Internet through the firewall. Your firewall must be configured properly, or the iPrism will not be able to access the Internet.

The third workstation has not been configured to use the iPrism as its proxy. Since the firewall only allows traffic from the iPrism, this workstation is unable to access the Internet.

Information Sheet

The information listed on this page is needed to configure your iPrism. See [Before You Begin](#).

A. iPrism IP Address: _____

B. Subnet Mask (Netmask): _____

C. Default Gateway IP Address: _____

D. Name Server (DNS) IP Address: _____

E. iPrism Host Name: _____

F. iPrism Serial Number: _____

G. License Key Expiration Date: ____ / ____ / ____

There are some special considerations to be aware of, such as network conditions, for which additional documentation is available. Go to the EdgeWave support website at

http://www.edgewave.com/forms/support/web_security.asp

Topics include:

- If other proxy servers are configured on the network.
- If you have a wide area network serviced by a router that is also the Internet router.
- If you have concerns about your network's ability to interact with the iPrism.

If you are unable to resolve your issue using the provided documentation, contact EdgeWave's technical support team. Contact information is available on the website.

When contacting tech support, have the following information ready:

- All relevant information about how iPrism is configured on your network (topology, other hardware, networking software, etc.).
- Your iPrism serial number and registration key.
- To help our support staff resolve your issue, it is helpful to send us a network diagram showing the basic hardware used on your network.

To configure your browser for proxy mode, follow the instructions below for your specific Internet browser.

Internet Explorer

1. Select **Tools -> Internet Options**.
2. Select the **Connections** tab.

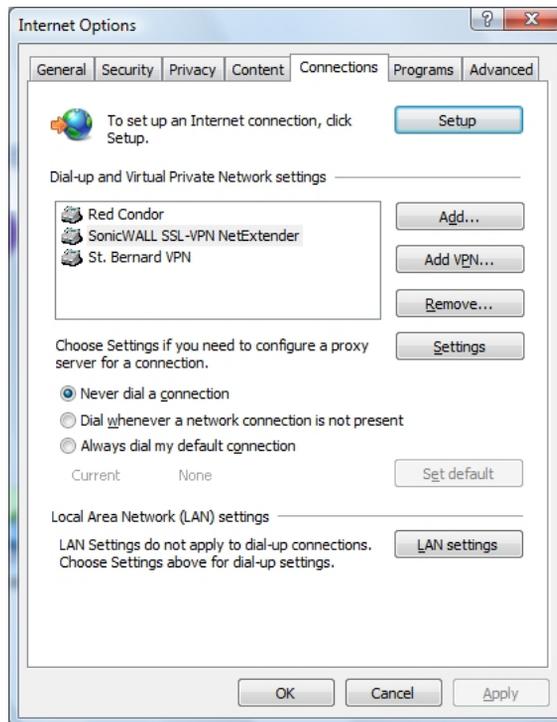


Figure 22. Connections Tab in Internet Explorer

3. Click **LAN Settings**.

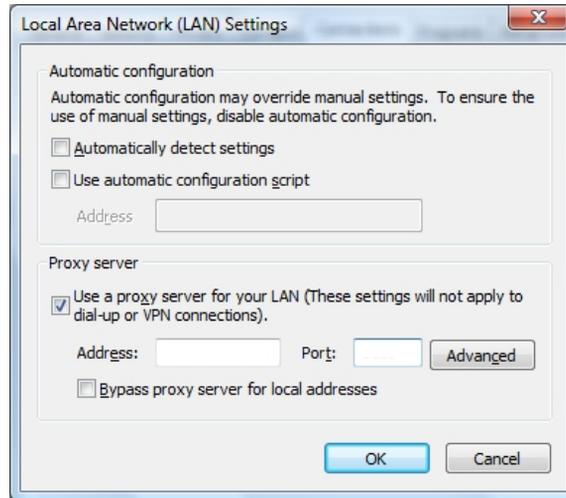


Figure 23. LAN Settings in Internet Explorer

4. Check **Use a proxy server**. Enter the IP address of your iPrism in the **Address** field and enter 3128 in the **Port** field.



Note: Port 3128 is the default. You can change this setting.

5. Click **OK**, then click **OK** again.

Firefox

1. Select **Tools -> Options -> Advanced**.
2. Select the **Network** tab.

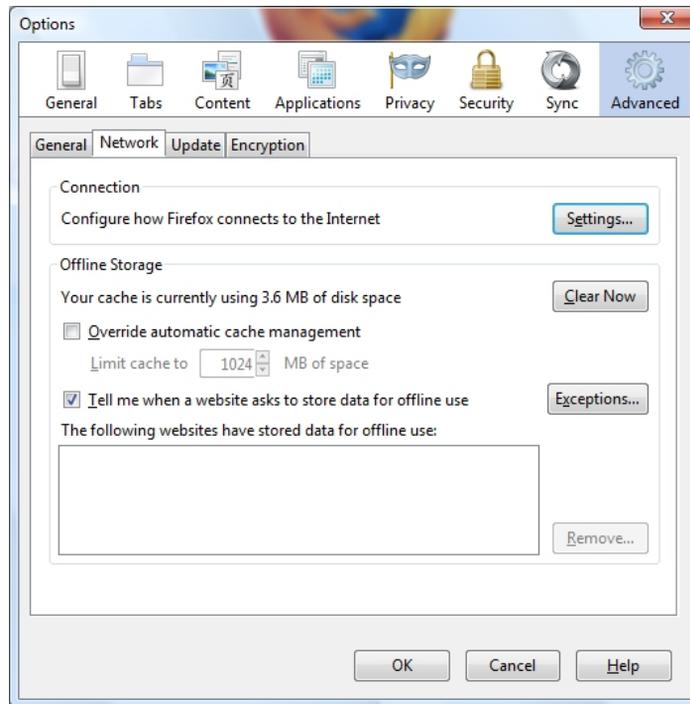


Figure 24. Network Options in Firefox

3. Click **Settings**.

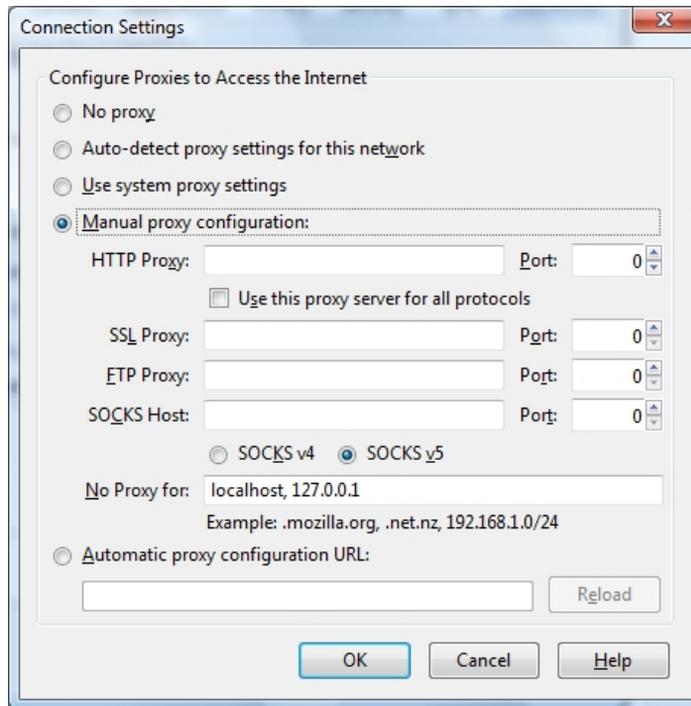


Figure 25. Connection Settings in Firefox

4. Select **Manual proxy configuration**. Enter the IP address of your iPrism in the **HTTP Proxy** field and enter 3128 in the **Port** field.



Note: Port 3128 is the default. You can change this setting.

5. Click **OK**, then click **OK** again.

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