

# iPrism<sup>®</sup>

## Hardware Guide

### h-Series



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# Introduction

iPrism is the award-winning Internet filtering appliance that secures your organization from Internet-based threats such as malware, spyware, IM, P2P, and inappropriate content at the perimeter, while it helps enforce your acceptable use and security policies. This guide will help you understand your iPrism hardware.

## Related iPrism Documentation

All documentation is available at

<http://www.stbernard.com/products/support/iprism/documentation.asp>

Document	Description
Release Notes	Provides up-to-date information on the product, including new features, improvements, bug fixes, and any known issues. If instructions in the Release Notes differ from the Installation Guide or Administration Guide, use the instructions in the Release Notes.
Quick Setup Guide	Provides basic installation instructions.
Installation Guide	Provides detailed information on installation and initial configuration.
Administration Guide	Provides detailed configuration and maintenance information for the iPrism Administrator.
Reporting Guide	Explains iPrism report types, features, and delivery options.
Remote Filtering Client Guide	Provides detailed information on how to configure and set up the iPrism Remote Filtering Client.
Knowledgebase	Searchable and navigable articles provided by Technical Support.
iLearn video tutorials	<a href="http://www.stbernard.com/products/support/iprism/recorded_webinars_ilearn.asp">http://www.stbernard.com/products/support/iprism/recorded_webinars_ilearn.asp</a>

# iPrism Technical Support

**Phone and email support:**

Weekdays, 12:00 Midnight – 4:00 p.m. Pacific Time (8:00 a.m. to 12:00 Midnight GMT)

To contact Technical Support online, visit

<http://www.stbernard.com/products/support/iprism/default.asp>

and fill out the iPrism Support Request Form.

**iPrism Phone Numbers:**

Tel: 1-858-676-5050

Fax: 1-858-676-5055

**Chat support:**

Weekdays, 7:00 a.m. – 4:00 p.m. Pacific Time (3:00 p.m. to 12:00 Midnight GMT)

**UK Customers:**

For your convenience and savings, UK customers may dial a local number and be directly connected with a St. Bernard Technical Support Representative in the United States.

Tel: +44-0-1276-401642

# iPrism h-Series Hardware

## *Front Views*

10h



20h



30h



50h



100h









500h








## 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:

LED or Light	Description
	<b>UID:</b> Unit Identifier. Depressing the UID button illuminates an LED on both the front and rear of the appliance to allow you easily locate the appliance in large stack configurations. The LED will remain on until the button is pushed a second time. Another UID button on the rear of the appliance serves the same function.
	<b>U:</b> Universal Information LED. When this LED blinks red quickly, it indicates a fan failure; when blinking red slowly, it indicates a power failure. When used for UID (Unit Identifier), this LED will be blue. 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 St. Bernard Software Technical Support). This LED will remain on or flashing as long as the indicated condition exists.
	<b>NIC1:</b> Indicates network activity on LAN1 when flashing. <b>Note:</b> NIC1 is used for traffic on the Internal interface on the 10h, and for traffic on the Management interface for the 20h, 30h, 50h and 100h.
	<b>NIC2:</b> Indicates network activity on LAN2 when flashing. <b>Note:</b> NIC2 is used for traffic on the External interface for the 10h only. It is not used on the 20h, 30h, 50h or 100h.
	<b>HDD:</b> Indicates IDE channel activity or SATA and/or DVD-ROM drive activity when flashing.
	<b>Power:</b> Indicates power is being supplied to the system's power supply units. This LED should normally be illuminated when the system is operating.



	<p><b>Temperature:</b> Indicates CPU temperature (model 500h only).</p>
	<p><b>Reset:</b> Reboots the system.</p> <p> <b>Important:</b> Do not press this button until you have shut down the iPrism from the <b>Exit &gt; Shutdown</b> menu option. This cleanly terminates the current iPrism services and network connections and prepares iPrism to be powered down using this button.</p>
	<p><b>Power:</b> 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.</p> <p> <b>Important:</b> Do not press this button until you have shut down the iPrism from the <b>Exit &gt; Shutdown</b> menu option. This cleanly terminates the current iPrism services and network connections and prepares iPrism to be powered down using this button.</p>

## Back Views

### 10h



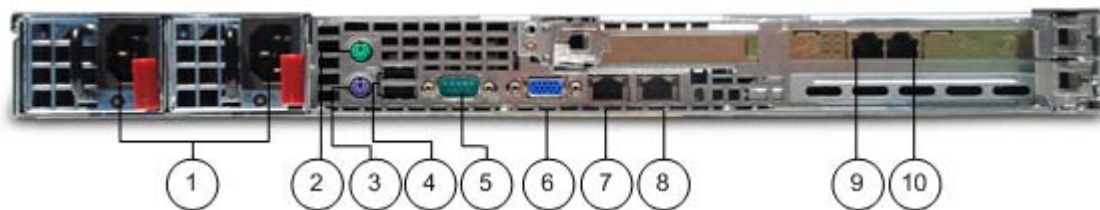
①	<b>Power connector</b>	This connects power to iPrism (115 – 230 VAC auto-sensing).
②	<b>Mouse port</b>	Unused
③	<b>Keyboard port</b>	Unused
④	<b>USB ports</b>	Unused
⑤	<b>Console port</b>	Access to this port is only under the direction of St. Bernard Technical Support for a specific reason.
⑥	<b>Video port</b>	Unused
⑦	<b>Internal interface (LAN1)</b>	This port provides auto-sensing Ethernet connectivity to your internal network (the network to which iPrism will apply filtering).
⑧	<b>External interface (LAN2)</b>	This port provides auto-sensing Ethernet connectivity to the external network (Internet).

## 20h



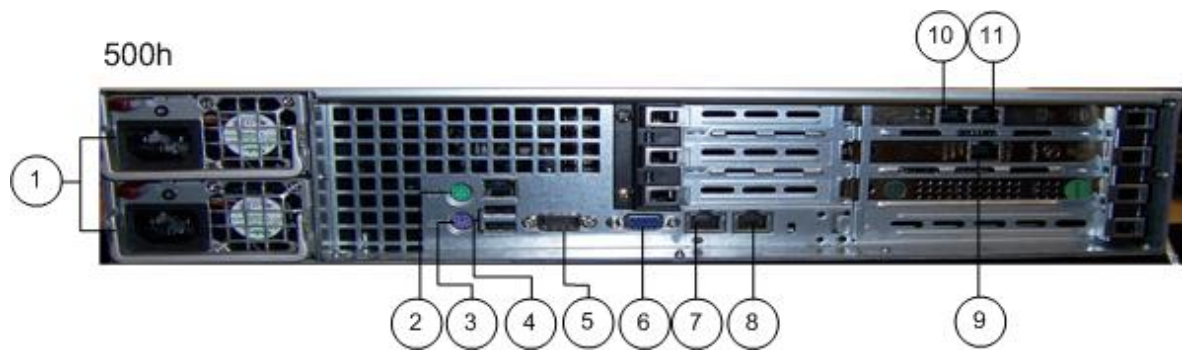
①	<b>Power connector</b>	This connects power to iPrism (115 – 230 VAC auto-sensing).
②	<b>Mouse port</b>	Unused
③	<b>Keyboard port</b>	Unused
④	<b>USB ports</b>	Unused
⑤	<b>Console port</b>	Access to this port is only under the direction of St. Bernard Technical Support for a specific reason.
⑥	<b>Video port</b>	Unused
⑦	<b>Management interface (LAN1)</b>	<p>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.</p> <p><b>Note:</b> This is used for advanced configurations only. See the <i>iPrism Administration Guide</i> for more information.</p>
⑧	<b>Interface</b>	Unused
⑨	<b>External interface</b>	This port provides auto-sensing Ethernet connectivity to the external network (Internet).
⑩	<b>Internal interface</b>	This port provides auto-sensing Ethernet connectivity to your internal network (the network to which iPrism will apply filtering).

## 30h, 50h and 100h



①	<b>Power connectors</b>	These connect power to iPrism (100 – 240 VAC auto-sensing).
②	<b>Mouse port</b>	Unused
③	<b>Keyboard port</b>	Unused
④	<b>USB ports</b>	Unused
⑤	<b>Console port</b>	Access to this port is only under the direction of St. Bernard Technical Support for a specific reason.
⑥	<b>Video port</b>	Unused
⑦	<b>Management interface (LAN1)</b>	<p>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.</p> <p><b>Note:</b> This is used for advanced configurations only. See the <i>iPrism Administration Guide</i> for more information.</p>
⑧	<b>Interface</b>	Unused
⑨	<b>External interface</b>	This port provides auto-sensing Ethernet connectivity to the external network (Internet).
⑩	<b>Internal interface</b>	This port provides auto-sensing Ethernet connectivity to your internal network (the network to which iPrism will apply filtering).

## 500h



①	<b>Power connectors</b>	These connect power to iPrism (100 – 240 VAC auto-sensing).
②	<b>Mouse port</b>	Unused
③	<b>Keyboard port</b>	Unused
④	<b>USB ports</b>	Unused
⑤	<b>Console port</b>	Access to this port is only under the direction of St. Bernard Technical Support for a specific reason.
⑥	<b>Video port</b>	Unused
⑦	<b>Interface</b>	Unused
⑧	<b>Interface</b>	Unused
⑨	<b>Management interface</b>	<p>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.</p> <p><b>Note:</b> This is used for advanced configurations only. See the <i>iPrism Administration Guide</i> for more information.</p>
⑩	<b>External interface</b>	This port provides auto-sensing Ethernet connectivity to the external network (Internet).
⑪	<b>Internal interface</b>	This port provides auto-sensing Ethernet connectivity to your internal network (the network to which iPrism will apply filtering).
		<p><b>Note:</b> The LED lights for the management, external, and internal interfaces do not currently light up. This is expected to be fixed in a future release of iPrism.</p>

## ***Cable Identification***

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. Now, look at the color-coding of the wires in each connector. If the colors are in the exact 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 will be marked with "crossover".

## ***Installing the iPrism h-Series***

1. If you are installing the iPrism in a rack, attach the brackets from the enclosed rack mounting kit to the iPrism and mount it in a standard rack (see the iPrism Knowledgebase article "Installing iPrism on a Rack" for additional details).
2. If you are installing the iPrism on a shelf or desktop, place it on the shelf and make sure that all of the ventilation holes on the side and back of the unit are clear.
3. Connect the power cable. Do not power the system on at this time.
4. Connect a network cable from the Internal interface of the iPrism (refer to your iPrism model on pages 8 – 11 to locate the Internal interface) to your internal network.
5. Leave the External interface (find your iPrism model on pages 8 – 11 to locate the External interface) unconnected. See the *iPrism Installation Guide* for information on how and when to connect this interface.
6. Leave the Management interface (refer to pages 8 – 11 to locate the Management interface on your iPrism model) unconnected. Later, if you desire to use a separate network for management information, you can connect this interface. See the *iPrism Administration Guide*, available at <http://www.stbernard.com/products/support/iprism/documentation.asp>, for details.
7. Follow the instructions in the *iPrism Installation Guide*, available at <http://www.stbernard.com/products/support/iprism/documentation.asp>, for information on how to complete the installation process and configure your iPrism system.

# iPrism®

## Hardware Guide

### h-Series

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