

iBoot

Web Enabled Remote Power Control



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IMPORTANT SAFETY INSTRUCTIONS

When using this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product in an outdoor environment or near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in this product and the back or bottom are provided for ventilation to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. This product is equipped with a three wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug. Do not use a 3-to-2 prong adapter at the receptacle; use of this type adapter may result in risk of electrical shock and/or damage to this product.
9. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
10. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
11. Never push objects of any kind into this product through slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the product.
12. To reduce the risk of electrical shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power supply cord or plug is damaged or frayed.
 - b) If liquid has been spilled into the product.
 - c) If the product has been exposed to rain or water.
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e) If the product has been dropped or has been damaged.
 - f) If the product exhibits a distinct change in performance.
14. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
15. Do not use the telephone to report a gas leak in the vicinity of the leak.
16. Do not exceed the maximum output rating of the auxiliary power receptacle.

SAVE THESE INSTRUCTIONS

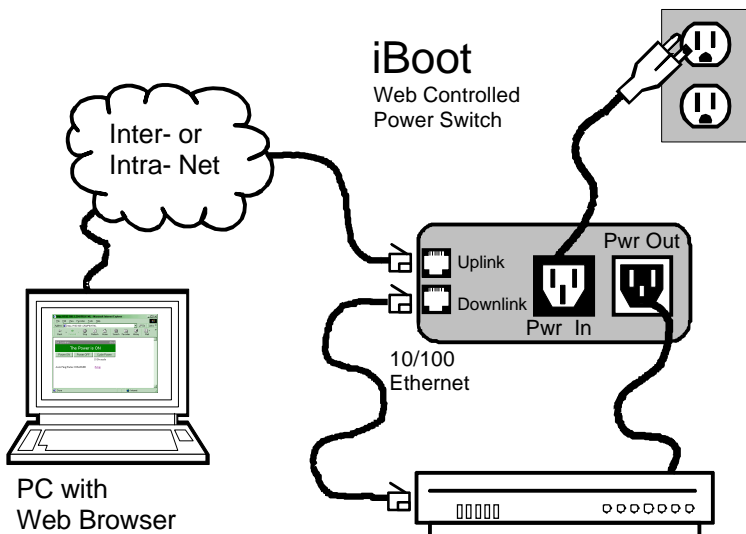
General Description

The iBoot is a network attached, IP addressed, Web Controlled AC power switch. Anyone with a web browser can access iBoot to perform power On, Off or Reboot (timed power shutdown). iBoot is password protected for security.

iBoot uses international standard IEC320 Connections and is selectable for 115VAC or 230VAC. iBoot handles circuits up to 12 Amps (10 Amps at 230VAC).

Uses for iBoot:

- ◆ Remote reboot of any device, routers, servers, kiosks, etc. The device to be rebooted need not be network attached.
- ◆ Secure sensitive devices by keeping them powered off when not in use. This prevents hackers from seeing them at all times.
- ◆ Power down equipment when not needed for power savings and to save on where and tear.
- ◆ Power up alert devices like sirens, lamps, messages; or control environmental system like heaters, coolers pumps, etc.



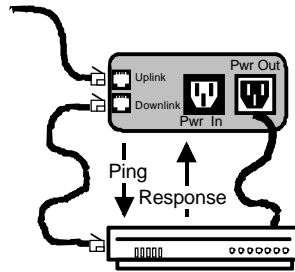
Auto-Ping

The Auto-Ping feature allows iBoot to automatically detect failed equipment and perform a timed reboot or other power control function (like turning on an indicator or siren). You set any IP address to be periodically Ping'ed. When iBoot no longer detects a response from the address, the programmed power control function is actuated.

- ◆ Use Auto-Ping Locally: Put iBoot next to the device to be monitored and reboot it automatically when it no longer responds.
- ◆ Use Auto-Ping Remotely: Put iBoot at a central facility to monitor a remote system and power up an alert when the remote device no longer responds.

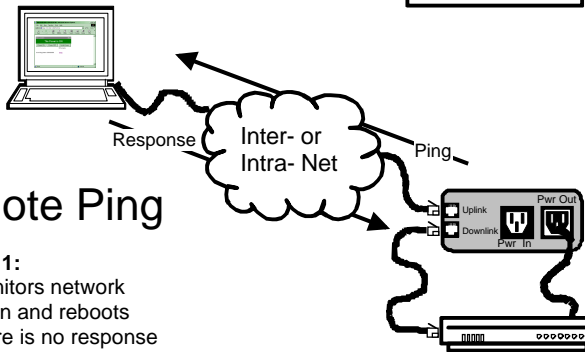
Local Ping

Example:
iBoot monitors local device and automatically reboots it if there is no response

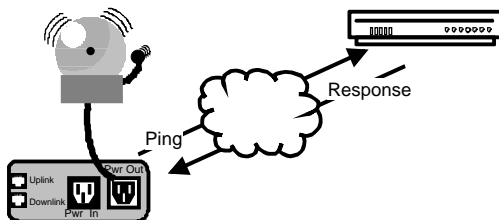


Remote Ping

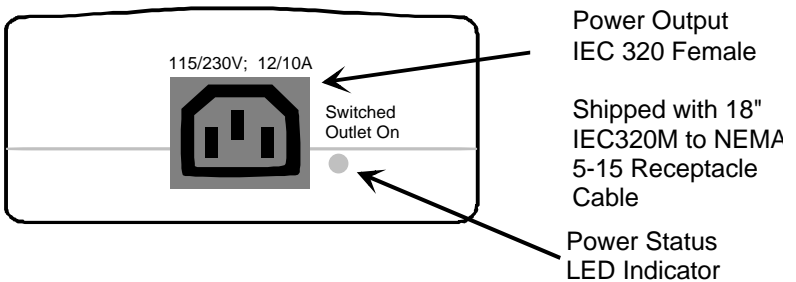
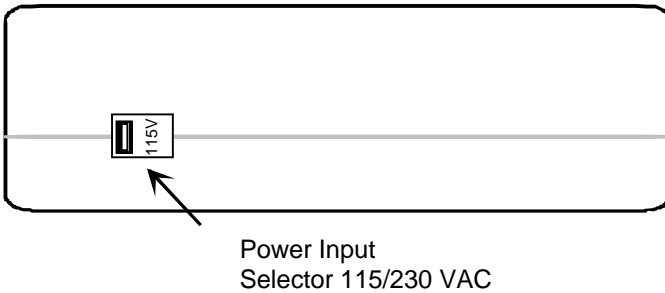
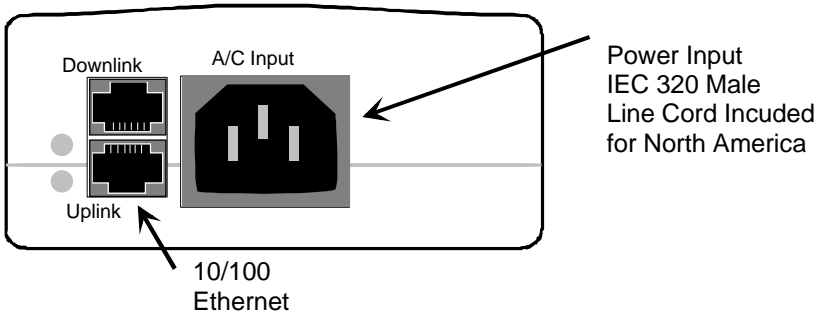
Example 1:
iBoot monitors network connection and reboots when there is no response



Example 2:
iBoot monitors remote device and powers up alarm when there is no response



Hardware Installation

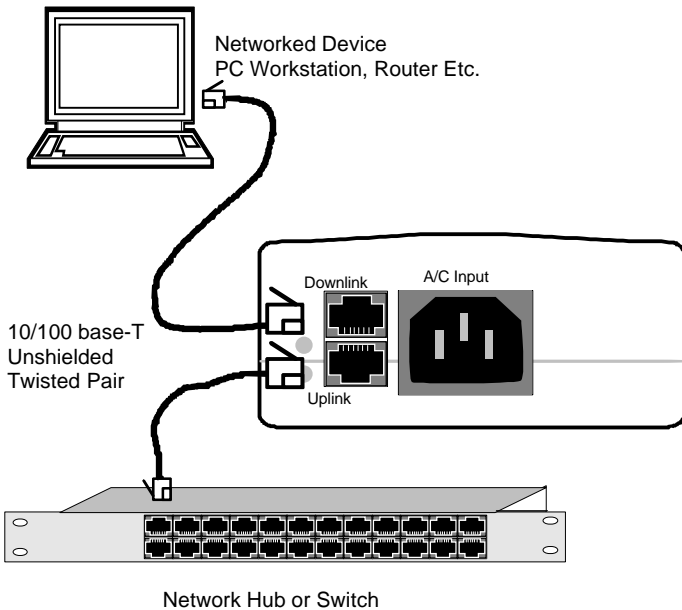


CAUTION Be sure to check that the unit is set to the correct operating voltage before plugging in the unit or applying AC power. Make certain to disconnect the iBoot from the AC power source before making any control connections.

Ethernet Connections

iBoot supports 10/100 Ethernet using unshielded twisted pair (Cat 5) cabling. Uplink and Downlink connections are provided. Use the Uplink jack to connect to an Ethernet hub and the Downlink jack to connect to an additional piece of networking equipment.

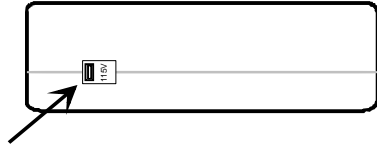
An LED next to each indicates when the connection to the network is properly established.



AC Power Connections

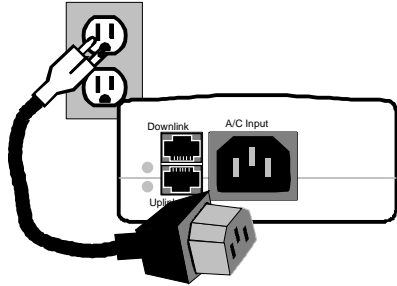
- 1** Select Input Voltage Before Making Any Connections

115V for 110 to 125VAC
230V for 215 to 240VAC



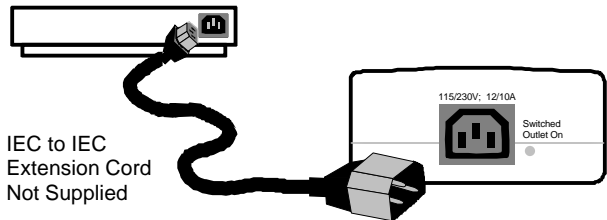
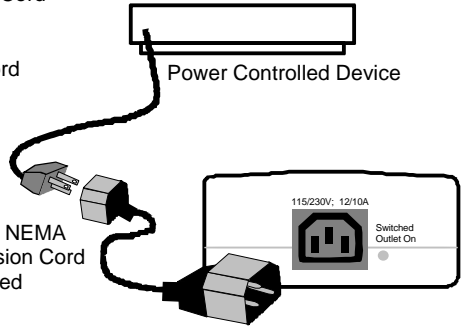
- 2** Connect to Power Source

Use Included Cord for North America. See Instructions for other locations



- 3** Connect Powered Device

Use either:
IEC to NEMA Extension Cord (supplied)
- OR -
IEC to IEC Extension Cord (not supplied)



iBoot can be set for operating voltages of 110-120 VAC or 220-240 VAC by setting the voltage selector switch located on the side of the unit to the appropriate position 115 or 230. **Make sure the switch is set to the correct position before applying power.**

Connect the device to be powered ON and OFF to the IEC receptacle marked **Switched Outlet**. A short IEC 320 to North American (NEMA 5-15) power cord is included for connecting the iBoot outlet to the device to be power controlled. The iBoot can be connected to a power strip to allow simultaneous control of multiple devices.

Make sure that the combined load of all controlled devices does not exceed 10 Amps for 230VAC or 12 Amps for 115VAC.

Connect the supplied power cord to the connector labeled **AC Input**, and the other end to your AC source. If a power cord with a different terminating plug is required, be sure it is properly rated and meets all the required local electrical standards.

iBoot Configuration

Setting I/P Address

iBoot comes with factory installed IP address **192.168.1.254**. In most cases this will need to be changed.

Consult your Network Administrator to determine the appropriate IP address. The IP address can be set either using ARP, or via a web browser. The iBoot does not support DHCP.

Setting the IP address using Web Browser

Setting the IP address using the Web Browser requires rebooting the iBoot. Do not use this procedure from a remote location.

To set the IP address using a Web Browser, connect the 10/100Base-T connection to your local ethernet network and apply power to iBoot.

Open your browser and access iBoot by entering the default (**192.168.1.254**) or current IP address into your browser's Address window. Enter the password (the factory default is **PASS**). Click on Setup and enter the IP address, Subnet Mask and Gateway address for your network. Click on Apply. Disconnect the Power Input to the iBoot. When you reconnect power, the new IP address will be installed. See Web Browser Control for more details and screenshots.

Changes to the Subnet Mask and Gateway occur as soon as the apply button is pressed and do not require power cycling iBoot.

Setting the IP address using ARP

The computer used to set the IP address must be on the same local network segment as the iBoot. ARP does not work across routed or switched networks.

To set the IP address using ARP, the hardware (MAC) address must be known. This address is located on the bottom of the unit. The syntax for the MAC address is: nn-nn-nn-nn-nn-nn

Windows 3.11, 95 and NT

1. Open a DOS window.
2. Type the following command:
arp -s <IP Address> <MAC Address>

Where <IP Address> is the desired IP address (in dotted decimal) for the iBoot and the <MAC address> is the MAC Address of the iBoot. The MAC Address of the iBoot is located on bottom of the unit. Windows 95 users see note below.

Example: arp -s 192.168.7.203 00-50-c2-05-01-c1 <enter>
|- new IP addr. -| |----- MAC addr. ----|

3. Ping the iBoot program the IP address into the iBoot.
Type:

ping <IP Address>

If the ping command returns "host not responding" 4 times then the address has not been programmed properly, or the IP Address is incorrect. In either case redo step 2. If the problem persists, contact the Dataprobe Tech Support Hot Line.

4. Delete the entry from the ARP cache by typing:
arp -d <IP Address>
5. Ping the iBoot to confirm that it has been programmed properly.

If the iBoot fails to respond, repeat steps 2-4 above. If the problem persists contact the Dataprobe support hotline.

Note: Windows 95 Users only. Due to a bug in the Windows 95 version of ARP you must first have an empty ARP table (seen with arp -a). To empty an arp table type arp -d <ip address> for each entry in the arp table as seen with arp -a. Ping an existing device on your network before setting the IP Address of the iBoot. This device must be a network device other then the one currently being used.

Unix, Linux

Consult your systems administrator for information on setting an IP Address using ARP. The unit should be pinged after the IP Address has been set to confirm proper operation.

Web Browser Operation

Password Protection:

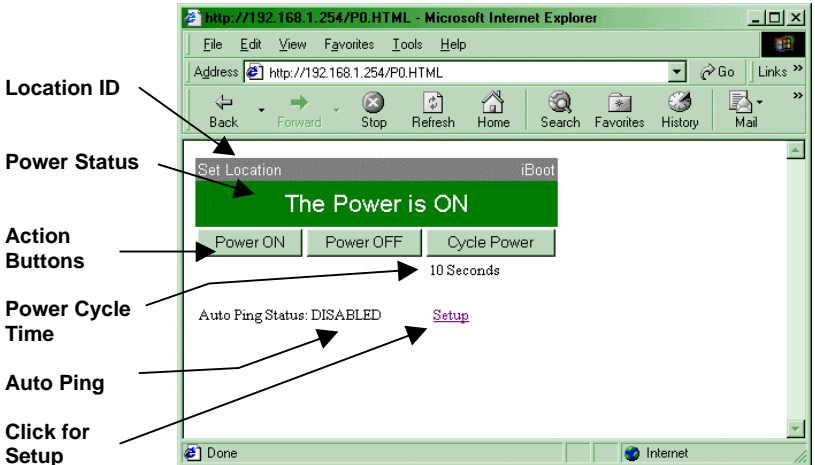
Open your browser and access iBoot by entering the default (192.168.1.254) or current IP address into your browser's Address window. Upon connection to iBoot, a password is required. A username is not required.

The default Password is **PASS**. This can be changed from the setup screen. Remember your password.

iBoot also uses an inactivity timer for security. When there is no activity for 2 minutes, the connection is closed and the password will need to be entered again for access.

Main Screen

Once the password is entered, the following page is displayed.



To control the power, click on the appropriate button. During power cycling, the Power Status bar will indicate the temporary status, with a blue background. Once the cycle is complete, the status bar will revert to its original condition. To abort a power cycle, click on either Power On or Power Off buttons. iBoot will immediately assume the status selected.

Setup Page

The setup page consists of four sections. Each time a setting is changed click on apply for that section to save the changes in iBoot. If the IP address is changed via this page, the iBoot will require rebooting to install the new address. This is done by removing the power cord on iBoot from its power source, not clicking on OFF from the main screen.

System Setup - Microsoft Internet Explorer

File Edit View Favorites Tools Help Address Links Back

Device Settings

Device Name:

Cycle Time: Seconds

Apply Reset

Device Name: Set a 20 Character name to be displayed on the Main Page.

Cycle Time: 0 to 999 seconds power cycle time

IP Settings

IP Address:

Subnet Mask:

Gateway:

Apply Reset

IP address: Power Cycle iBoot if this is changed

Subnet Mask: Change if required

Gateway: Change if required.

Auto Ping

Ping Address:

Frequency: Seconds

Action:

Apply Reset

Ping Address: Enter the IP address of the device to be ping'ed.

Ping Frequency: Enter 1 to 999 seconds

Action: select from

- ◆ None (Auto Ping not used)
- ◆ Power On
- ◆ Power Off
- ◆ Power Cycle

Change Password

Old Password:

New Password:

Confirm Password:

Apply Reset

Change Password by entering the old password then the new password twice. Remember your Password.

Remember to click Apply for each section you are changing.

[Home](#)

Home: Return to the main screen

Done Internet

Specifications

Model

iBoot A/C Power Control Module

SKU: 1410010

Physical

Height	2.25 in.
Width	4.50 in.
Depth	6.00 in.
Weight	1.25 lb.

AC

Input: 3 Prong, Male, IEC 320 input connector.

Input Cord Spec...16AWGX3C 10A 250 UL/CSA/VDE Rated
(1.25mm²X3C)

Voltage Range: Selectable 105-125VAC or
210-240VAC 50/60 Hz

Switched Receptacle: 3 Prong Female IEC

Capacity: 12 Amps Max @ 125VAC, 10Amps Max at 240VAC

Network

Dual 10/100 Unshielded Twisted Pair Ethernet Jacks.

IP Addressed

HTTP Web Browser Controlled,

Forms Processing Browser required

User Settings

MAC Address _____

IP Address _____

Subnet Mask _____

Gateway _____

Notes:

TECHNICAL SUPPORT, RETURNS and WARRANTY

Dataprobe Technical Support is available 8:30AM to 5:30PM ET to assist you in the installation and operation of this product. To obtain Technical Support call our [Tech Support Hotline at 201- 967-8788](tel:201-967-8788), or Email us at tech@dataprobe.com. Please have the following information available when you call:

- Model of Product
- Serial or Lot Number
- Data of Purchase
- Name of Seller (if other than Dataprobe)

If you purchased this product through an **Authorized Dataprobe Reseller**, you should contact them first, as they may have information about the application that can more quickly answer your questions.

WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of One Year from the date of initial purchase. If the product should prove defective within that period, Seller will repair or replace the product, at its sole discretion.

Service under this Warranty is obtained by shipping the product (with all charges prepaid) to the address below. Seller will pay return shipping charges. Call Dataprobe Technical Service at (201) 967-8788 to receive a Return Materials Authorization (RMA) Number prior to sending any equipment back for repair. Include all cables, power supplies and proof of purchase with shipment.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from jurisdictions to jurisdiction.

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability of fitness for any specific application.

**Dataprobe Inc.
11 Park Place
Paramus, NJ 07652**

Save \$

Dataprobe has the products you need to reduce line and equipment costs, manage your remote sites more efficiently and reduce operational overhead.



On Downtime

Remote Control Power Reset will have you back up in a jiffy. Control one or more power outlets from your phone or workstation.



On Modems

Code Activated Switches allow one modem to support 4, 8 or 16 devices for out-of-band management and polling applications.



On Field Trips

Remote Control allows you to switch to backup circuits, power cycle failed systems, and control relays from your phone or laptop.



On Time

Find out about problems before they become disasters. **Alarm Monitoring** keeps you informed through your beeper or computer.



On Phone Lines

Slash line charges by up to 87% with our **Call Director**, one line PBX. Share one line with up to eight modems, phones, etc.



On Worry

Protect your critical networks with our **Automatic Fallback** switching. Switch to ISDN, Dial Lines or Redundant Circuits.



Unique Solutions

Please visit our WebSite at <http://www.dataprobe.com> for additional details and the latest information on new products. Request a copy of our most recent catalog offering unique solutions or obtain assistance with your application from our knowledgeable sales engineers.

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