C3-IP Compact IP Power Management

Quick Start Guide

C3-IP

A BlueBOLT® Enabled Compact Power Manager with 3 Outlets

C3-IP Quick Start Guide

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CUSTOM INSTALL POWER MANAGEMENT

Congratulations on your purchase of the Panamax® C3-IP BlueBOLT® enabled compact power manager. The C3-IP is a full featured power conditioner providing protection and filtration for maximum longevity and performance of connected equipment. BlueBOLT enabled, the C3-IP allows remote reboot of 3 individually controlled outlets, as well as the ability to monitor energy use, set alerts, program scheduled commands, network pings with conditional reboot and much more.

FEATURES

- Protect-or-Disconnect surge protection
- Standard EMI/RFI Filtration
- Over/Under voltage load disconnect
- Power Sequencing
- IP Monitor & Control - BlueBOLT™ enabled for IP control and monitoring
- 3 individually controlled outlets
- Ground lug to attach Panamax signal-line protection modules
- Compact design with integrated brackets for wall mounting
- 0.5m IEC power cord
- 12A Capacity with circuit breaker
- 3 year limited product warranty
- With the provided power cord, C3-IP must be installed within close proximity of a mains socket outlet

Important: You will need the C3-IP's unique MAC Address and Challenge Key (provided on the 2 labels attached to the cover of this guide, as well as on a label on the bottom of the product) to register the unit for control and monitoring at www.mybluebolt.com. One is permanently adhered and the other is removable for your convenience.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. **WARNING:** Do not use this apparatus near water. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. **CAUTION** - Could Contain Always On Receptacles (depending on BlueBOLT programming). To reduce risk of shock - Disconnect C3-IP from power source before servicing any equipment connected to C3-IP.
7. Clean only with dry cloth.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades, with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Where the power cord is used as the main disconnect device, the disconnect device shall remain readily accessible.
14. This device must be connected to a main socket outlet with a protective earthing (ground) connection.
15. With the provided power cord, C3-IP must be installed within close proximity to the mains socket outlet.

Note: You can find the C3-IP manual on the product page at www.panamax.com under the **Resource** tab.

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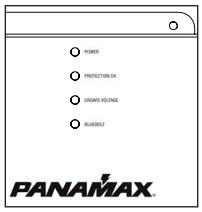
LIGHTS



POWER

Blue Flashing quickly: Switch/breaker is off or tripped.

Blue Flashing slowly: Indicates that a power sequence or power cycle is in progress.
Blue On: Outlets are on.

PROTECTION OK

Green off: Power is on, and the surge protection fuse is intact.

Green off with switch/breaker on indicates that surge protection fuse is blown OR
Green off with switch/breaker off or during over/undervoltage event: inconclusive

UNSAFE VOLTAGE

ON during Overvoltage or Undervoltage event.

BLUEBOLT

Green flashing: Acquiring IP address via DHCP.

Green solid: IP address acquired (**Note:** it does not stay in this state very long before going to establish communication with BlueBOLT.)

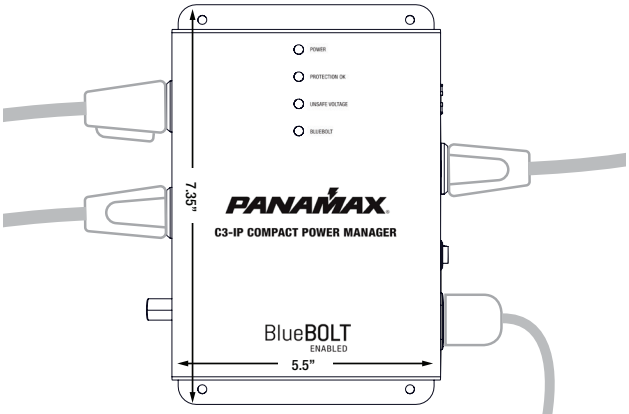
Blue flashing: Attempting to establish communication with BlueBOLT.

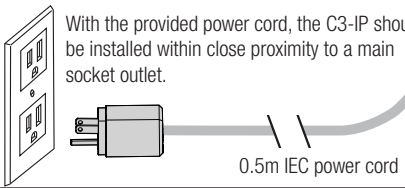
Blue solid: Communication with BlueBOLT established.

MOUNTING

The enclosure includes screw-holes to install, as well as mounting brackets (0.125 inch powder-coated steel) that secure the unit to the vertical posts of a standard equipment rack. The brackets are able to be attached to the enclosure in multiple directions in order to accommodate many different racks and positions.

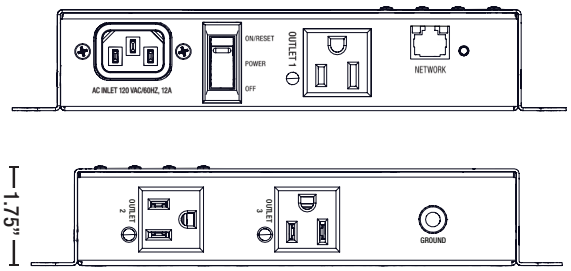
Plan for and allow space for cords, plugs, wall-warts and transformers.

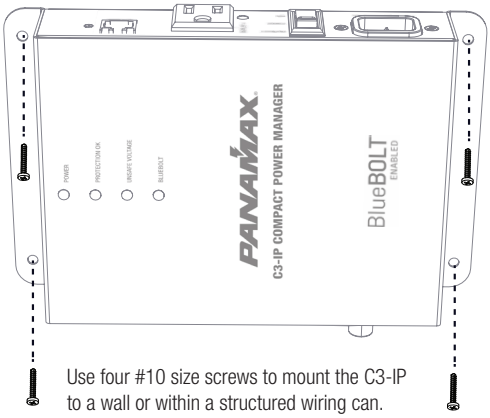




With the provided power cord, the C3-IP should be installed within close proximity to a main socket outlet.

0.5m IEC power cord





Use four #10 size screws to mount the C3-IP to a wall or within a structured wiring can.

BLUEBOLT

Note: Turn off all the equipment being connected to C3-IP until after all the connections (including AC). It's recommended to turn the connected equipment back on sequentially one unit at a time.

The total output of the 3 AC outlets shall not exceed 12A

Your C3-IP can be controlled and monitored from anywhere in the world using the BlueBOLT cloud.

On-Line Registration – The C3-IP is completely plug-and-play and does not require any software installation. The online BlueBOLT control interface is operated through an Internet web browser.

A. Using any Internet connected computer go to www.mybluebolt.com using a standard Internet browser.

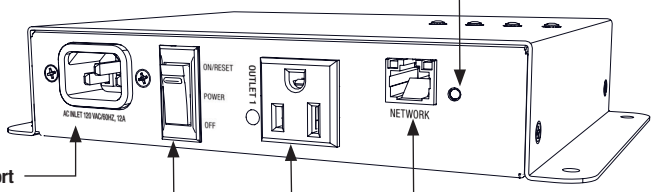
B. Follow the on-screen prompts to add a ***Location***, and then to add a ***Device***.
Note: MAC address information is attached to this Instruction Manual as well as on the bottom of the C3-IP. It is recommended the spare MAC address label be adhered to the unit or stored in a secure location.

C. Once you input the MAC address and included Challenge Key, if BlueBOLT cannot detect your device (please allow up to 20 seconds), please follow the on-screen troubleshooting guide. Also confirm the C3-IP is properly connected to your networking equipment.

PRODUCT FEATURES

DETAILED VIEW - RIGHT

Network Reset Button
Press using a safety pin, ball point pen or other small object to reset connection to BlueBOLT cloud.



Power Cord Port

Power Switch / Circuit Breaker
When switched off all outlets turn off immediately. When switch on, outlets turn back on in sequence. The power switch also acts as the circuit breaker. If the device is overloaded, the breaker will trip.

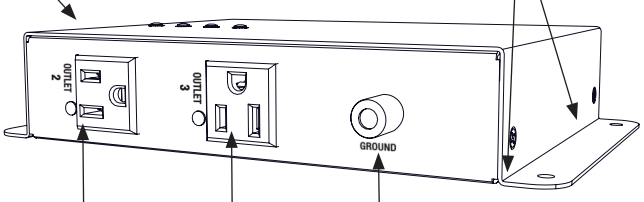
Outlet 1

Network Connector
Connect an Ethernet cable (not provided) between the NETWORK port and an Internet router or modem with an established Internet connection for remote control and monitoring.

DETAILED VIEW - LEFT

Mounting Bracket Holes (2)

Mounting Bracket Holes (2)



Outlet 2

Outlet 3

Ground Lug
Connect Panamax signal-line protection modules grounds to this terminal. Protect data lines as well as AC lines from surges is required for the connected equipment warranty.

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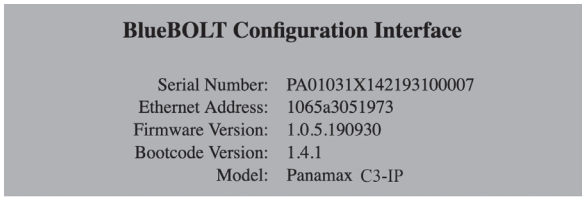
ADVANCED OPERATIONS

C3-IP Advanced Operation

The C3-IP has an embedded web page for users that wish to use the C3-IP on a LAN. The embedded webpage displays the units' serial number, ethernet address (MAC ID), firmware version, bootcode version, brand and model number. To find the C3-IP IP address, you can claim the device in BlueBOLT one time and look under Device ADMIN for the IP address or you can use your networking devices. In some cases, your ISP modem may be equipped with a tool to locate the IP address of the C3-IP.



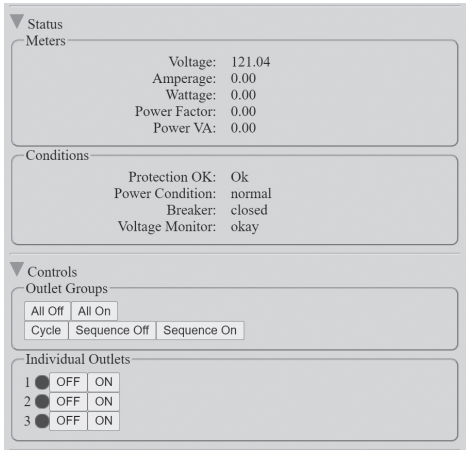
Status

The **Status** screen shows you the integrity of the power: **Voltage**, **Amperage**, **Wattage**, **Power Factor** and **Power VA**. The **Conditions** screen displays the **Power Condition** (detailed below), whether the **Breaker** is "opened" or "closed" and if the **Voltage Monitoring** is working.

Power Condition States

Normal = Input voltage is within range
Undervoltage = The voltage is so low that the over/under voltage load disconnect has engaged and all outlets are off.
Overvoltage = The voltage is so high that the over/under voltage load disconnect has engaged and all outlets are off.
Recovery = Recovery

1. Recovering from an over/under voltage load disconnect condition
2. Recovering after the breaker has been tripped and reset
3. Recovering after the switch has been turned off and turned on again or a power cycle
4. Recovery will also be stated when the unit is plugged into a live AC source.



Voltage Monitor States

Voltage Monitor = okay – voltage is within a safe range
Voltage Monitor = fault

1. Either the over/under voltage load disconnect has engaged and all outlets are off.
2. The breaker was tripped turning all outlets off
3. The power switch was turned off, turning all outlets off.

PASSWORD PROTECTION

Once you have claimed your C3-IP, you must set up password protection. To do so, enter the Local IP address of the C3-IP into your browser. You can locate the Local IP Address by clicking on **Device Admin** within the BlueBOLT user interface. This will take you to the embedded web page of the C3-IP.

Note: You must be on the same network as the C3-IP to view the embedded web page.

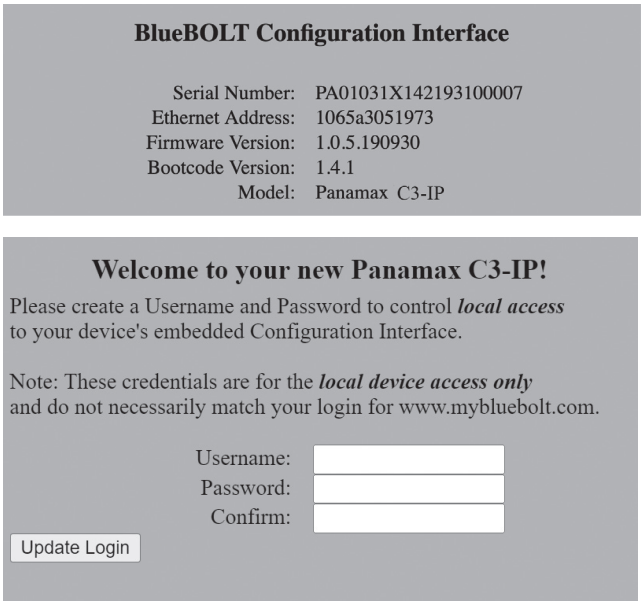
When you first access the embedded web page, you will be prompted to create a unique user name and password.

Input a user name and password, and click the "**Update Login**" button.

Password requirements:

1. Minimum of 4 characters, maximum of 32 characters
2. Case-sensitive
3. Comprised of printable characters
4. The word "password" (upper or lower case) is not a valid password
5. Passwords of five characters or less may not entirely consist of repetitive characters. For example: 1111, 22222 would be rejected. Example: Pass12345 or Secure1111 would be accepted.

Once you have enabled the password protection, your browser will prompt you to sign in using the new admin and password. Depending on your browser, you may need to refresh the page if the log in screen flashes.



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TROUBLESHOOTING

General Use:

My equipment doesn't turn on.	Make sure that the C3-IP is plugged into a working AC outlet. Check all AC connections. Make sure C3-IP and connected equipment are turned on. Confirm "POWER ON" and individual outlet status LEDs are illuminated. Check to see if the circuit breaker on the C3-IP needs to be reset (press in).
The C3-IP circuit breaker disconnects AC power from the connected equipment.	You have exceeded the ampere rating for your C3-IP. As a temporary fix, disconnect one or more pieces of equipment. Ask you dealer about additional Panamax products that may be required.
There is no picture or sound on my TV.	Ensure that the TV set is plugged into a powered AC outlet. Check the appropriate connections to ensure that they are correctly and securely installed.

BlueBOLT/Network connectivity:

Check these steps when having issues with BlueBOLT connectivity:

Is the C3-IP receiving power?	Check the power cable and confirm the unit is ON.
Is the BlueBOLT port on the C3-IP connected to an active local area network with Internet connectivity?	Check the cables connecting C3-IP to the router/switch, cables between the router/switch and modem and the cable connecting the modem to the incoming Internet data jack (coax or DSL)
Are the BlueBOLT Link and Activity lights on?	The "Link" light should be illuminated solid green if connected to a LAN or solid blue to active LAN and is connected to BlueBOLT, and the "Activity" light should be blinking intermittently (green).
Is your Internet connection functioning? Can you access a general web page through a web browser running on a computer connected to the same local area network?	If you have answered "Yes" to these questions and are still unable to connect the C3-IP BlueBOLT, please contact customer service at 1-800-421-1587.

C3-IP SPECIFICATIONS

AC Power	120Vac 50/60Hz
Total Outlets	3
Operating Control	Type 1
Total Current Capacity	12A Maximum
Rated Impulse Voltage	1500V
Voltage Protection Rating (UL1449)	L-N 500V
Initial Clamping Level	200V Peak, 141 RMS
Energy Dissipation	1680 Joules
Peak Impulse Current	12,000
Protect-or-Disconnect	Yes
Over-voltage load disconnect	140 Vac
Under-voltage load disconnect	90 Vac
Filtration Technology	Standard RFI/EMI Filtration
Filtration Rating	10dB @ 10kHz, 17dB @ 30kHz, 33dB @ 100kHz, 55dB @ 1MHz
Thermal Fusing	Yes
Cord Length	0,5M IEC cord

Environmental Specifications

Temperature	0° C -+40° C (+32°F - +104°F)
Operating Humidity	0 – 90% non-condensing
External Pollution Degree	Pollution Degree 2

Product Weights and Dimensions

Length	7.35”
Width	5.5”
Height	1.58”
Weight	2.6lbs
UPC	050616010351

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TECHNOLOGIES

Protect-or-Disconnect

In the event of a catastrophic surge such as lightning, AC power completely disconnects from connected equipment. If such a rare event occurs, the C3-IP would require service.

Standard Level RFI/EMI Filtration

The standard level RFI/EMI filter employs a tuned lowpass filter to reduce the differential AC noise coming through your AC power line. The filter reduces the AC line noise on average 10dB @ 10kHz, 17dB @ 30kHz, 33dB @ 100kHz, 55dB @ 1MHz.

Over/Under voltage load disconnect

The Over/Under voltage load disconnect circuit constantly monitors the incoming line voltage. If the incoming line voltage becomes dangerously high, it will disconnect the load from the AC input. The high threshold is 140 Vac +/- 2 Vac.

If the incoming line voltage becomes dangerously low, it will disconnect the load from the AC input. The low threshold is 90 Vac +/- 2 Vac.

When the incoming voltage returns to a safe level, the C3-IP will automatically turn on and sequence to its original state before the Over/Under voltage event.

Power Sequencing

Some complicated audio & video systems will require power sequencing. The C3-IP by default is a power sequencer. Power sequencing allows A/V equipment to be powered up in stages which gives equipment time to stabilize before the next stage of equipment is energized.

When powering down, the sequence order is reversed, which results in a soft landing for your expensive A/V equipment. Power sequencing is also convenient for network devices that requires network “handshakes” to properly communicate with each other.

After applying power to the AC line input and once you turn the power switch on, outlet 1 will turn on immediately. Outlet 2 will turn on 10 seconds after outlet 1, and outlet 3 will have a 10 second delay from the power on time of the outlet 2. See defaults below.

Once you claim your C3-IP, you can change the default programing to meet your systems requirements and you have complete flexibility.

Outlet Sequence Default	
Outlet 1	= 1 second turn on delay, 1 second delay off
Outlet 2	= 10 second turn on delay, 10 second delay off
Outlet 3	= 20 second turn on delay, 20 second delay off

IP Monitor and Control

The C3-IP can be monitored and controlled via an internal web page for LAN applications, or you can use the BlueBOLT cloud to monitor, control and program your device from anywhere in the world via your computer or mobile device.

WARRANTY INFORMATION

Caution! Warranty Limitation for Internet Purchasers

Panamax products purchased through the Internet do not carry a valid Product Warranty or Connected Equipment Protection Policy unless purchased from an Authorized Panamax Internet Dealer and the original factory serial numbers are intact (they must not have been removed, defaced or replaced in any way). Purchasing from an Authorized Panamax Internet Dealer insures that the product was intended for consumer use, has passed all quality inspections and is safe. Buying through auction sites or unauthorized dealers may result in the purchase of salvaged, failed and/or products not intended for use in the US. In addition, Authorized Panamax Internet dealers have demonstrated sufficient expertise to insure warranty compliant installations. For a list of Authorized Panamax Internet Dealers go to www.panamax.com

$5,000,000 Connected Equipment Limited Protection Policy*

Signal-line protection modules are required for the connected equipment policy. You can use other Panamax component units or signal-line protection modules. The grounds of the devices must be terminated together. All Panamax Warranties and Connected Equipment Policies are valid only in the United States & Canada.

*Full Warranty and policy Information available at www.panamax.com

LIMITED THREE YEAR WARRANTY

What is Covered?

Nortek Security and Control LLC ("NORTEK SECURITY & CONTROL") warrants to consumers who purchase this product that the product will be free from defects in materials and workmanship for a period of three (3) years (terms will vary depending on product) from the date of purchase. It is not transferable.

If a defect exists, NORTEK SECURITY & CONTROL will have you ship the defective part or product to us and we will, at our option, either repair or replace it. This warranty does not cover the cost of labor to remove a defective part or product or to reinstall any repaired or replacement part or product.

This warranty does not cover defects or damages caused by improper handling, maintenance, storage, installation, removal or re-installation, misuse, non-factory authorized modification or alteration, use of incompatible accessories, impact by foreign objects, accident, fire, acts of God, normal wear and tear or shipping damage other than a shipment from NORTEK SECURITY & CONTROL.

Keep your original sales receipt as it will be required to obtain warranty service. This warranty shall not be extended or restarted upon receipt of any repaired or replacement part or product under this warranty. No person is authorized to extend or otherwise modify this warranty.

Limitations

THE DURATION OF ANY IMPLIED WARRANTY, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXCEED THE WARRANTY PERIOD PROVIDED HEREIN.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

NORTEK SECURITY & CONTROL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE BREACH OF ANY WRITTEN OR IMPLIED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other legal rights which vary from State to State.

How do I Obtain Warranty Service?

Customers in the United States

To obtain warranty service, email our Returns Department at returns@nortekcontrol.com. Include your name, address, telephone number, the model number of your product, a copy of your original sales receipt, and a description of the problem. Unless we need to discuss the situation further with you, you will be emailed a Return Authorization Number and shipping instructions. If we need to discuss the situation further with you, we will call or email you. NORTEK SECURITY & CONTROL may require troubleshooting on installed product before a Return Authorization Number is issued. Anything shipped to us without a Return Authorization Number will be automatically returned unopened. You are responsible for the charges for shipment to us.

Customers outside of the United States

For customers outside of the United States, you are required to address any warranty service requests to the dealer from which you purchased the Nortek Security and Control product or the distributor that supplied such product.

For purchasers whose warranty rights are governed by the consumer protection laws or regulations of a country other than the U.S., the benefits conferred by this warranty are in addition to any conferred by such other laws or regulations, and any limitations of rights stated in this warranty may or may not apply.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help. Any special accessories needed for compliance must be specified in the instruction.

CAUTION: Shielded power cord is not required. However, if after EMC testing we find that a shielded cord is required, this text will need to be restored.

CAUTION: Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment. If you require technical support or equipment service, please contact Panamax.

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TECH SUPPORT

Call 800-421-1587

You may also email info@Panamax.com

All equipment being returned for repair must have a Return Authorization (RA) number. To get an RA number, please call Panamax Tech Support. Before returning any equipment for repair, please be sure that it is adequately packed and cushioned against damage in shipment, and that it is insured. We suggest that you save the original packaging and use it to ship the product for servicing. Also, please enclose a note giving your name, address and phone number.

www.nortekcontrol.com • www.panamax.com • www.mybluebolt.com

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