



# OWNER'S MANUAL

(Quickstart Section is on Page 2.)

## IP-50RX WEB CONTROLLED AC POWER DISTRIBUTION



## **INTRODUCTION**

### **IP-50RX WEB BASED REMOTE POWER CONTROL**

The Juice Goose IP-50RX is a microcontroller based power distribution device that can be accessed via intranet or internet communications using Ethernet connection. With this remote access, individual AC receptacles can be turned on and off.

The IP-50RX has a 15 amp capacity .

## **SAFETY PRECAUTIONS**

The IP-50RX is to operate at 120 volts, 60 hertz. Operation with any voltage or frequency other than that can damage the equipment and create an unsafe situation.

CAUTION #1: This device must be grounded. Failure to ground the device could expose the user to dangerous electric shock.

CAUTION #2: This device should be installed only by qualified electrical technicians using appropriate mounting hardware and correct installation techniques. When installing make sure main power is off.

CAUTION #3: Do not expose the IP-50RX to moisture or salty air. Doing so could cause significant damage and create an unsafe condition.

## **DISCLAIMER**

Juice Goose shall under no circumstances be held responsible for any losses, damage, or injury resulting directly or indirectly from the use of the IP-50RX device in a manner contrary to accepted safe operating methods or any instructions contained in this document. The user should determine prior to use whether this product is adequate, suitable and safe for the application intended. Since individual applications can be subject to extreme variation Juice Goose makes no representation or guarantee as to the suitability of the IP-50RX for any generally described application.

## QUICKSTART GUIDE

1. Unbox the unit. The box should contain: IP-50RX, a manual, and Juice Goose promotional material. You will need a standard CAT5 network cable if attaching to a router, a CAT 5/6 crossover cable if connecting directly to a PC (cables are not provided with this unit).
2. Ensure your PC is on and booted up and the IP-50RX is connected to your computer or network.
3. The IP-50RX will take about 20 seconds to boot up and configure itself at which point the Network light on the front of the unit will illuminate, indicating network connectivity. If the Network light blinks or does not light at all check the cable connections.
5. Open up your web browser and type in the following default IP address to access the IP-50RX on your network: <http://juicegoose> or <http://192.168.1.77>.
6. At this point you will be prompted to log into the IP-50RX.

Initial login will be:

Username: admin

Password: juicegoose

7. You will be presented with the control section where you can control the IP-50RX's PODS by clicking on the buttons or using the Sequence field by entering the value in seconds and clicking the Sequence UP button.
8. To setup a specific IP address, change passwords for the admin/user account or configure other advanced features of the IP-50RX click on the 'IP Series Management' link at the top right of the displayed page. You will need to be logged in as **admin** to access this section. This section is described in more detail beginning on page 6.

See your system administrator, if you have one, for help with configuration.

## DETAIL SPECIFICATIONS

CHASSIS.....16 guage steel  
 DIMENSIONS (inches).....1.75"H x 9"W x 9.5"D  
 WEIGHT (lbs).....5.0

CIRCUIT BREAKER (THERMAL).....15A  
 TECHNICAL CURRENT RATING.....12A  
 NUMBER OF CONTROLLABLE PODS.....Two  
 NUMBER OF UNSWITCHED OUTLETS.....One

POWER INPUT.....Detachable 6ft NEMA 18 AWG power cord with right angle plug  
 POWER OUTPUT.....Three NEMA 5/15R: two addressable, one unswitched  
 VOLTAGE INPUT.....120 VAC @ 60 Hz

SIGNAL CONNECTION.....Ethernet (RJ45)  
 NETWORK COMMUNICATION.....Onboard web server, HTTP, TCP, UDP  
 LED INDICATORS.....NETWORK, FAULT, SURGE PROTECTION, POD STATUS (2)

### RX SERIES POWER PROTECTION

TRANSIENT ENERGY ABSORPTION (JOULES).....1,020  
 MAXIMUM APPLIED SURGE CURRENT (AMPS) .....3,000  
 MAXIMUM APPLIED SURGE PULSE (VOLTS) .....6,000

LET THROUGH SURGE (VOLTS)  
     GROUND.....0.50  
     LINE - NEUTRAL.....10.0

EMI/RFI INTERFERENCE FILTRATION (dB)  
     GROUND  
         300 kHz.....77  
         1 MHz.....80  
         10 MHz.....80  
         30 MHz.....80  
     LINE - NEUTRAL  
         300 kHz.....56  
         1 MHz.....60  
         10 MHz.....60  
         30 MHz.....60

### FRONT PANEL FEATURES

**NETWORK LED** - This LED will light up solid when the IP-50RX is connected to an Ethernet network connection. It will blink quickly when an Ethernet cable is attached but no network can be found. When no network cable is connected the light will blink slowly indicating the unit is powered up.

**FAULT LED** - The RX Series circuitry is designed to protect against external wiring faults. If the AC power source that the RX Series product is plugged into lacks a sufficient ground, has reverse connection on the hot and neutral leads or is providing excessive voltage power output from the RX Series device will be

interrupted and the "Fault" indication light will go on. Once the fault condition is corrected power output will resume and the "Fault" indicator light will go off.

PROTECTION LED - RX Series surge protection technology is non-sacrificial. This LED will light when the surge protection is active. If this light is out there is a fault or failure in the surge protection circuitry which probably requires service. Contact Juice Goose for technical assistance.

POD 1 & 2 LEDs - These 2 LEDs indicate the status of the POD outlets, if lit the outlet is on, if unlit the outlet is off.

## CHASSIS FEATURES

NETWORK (Ethernet) PORT - This RJ45 connector is for connecting to your PC, router or local area network using a TCP/IP link.

FACTORY RESET button - This recessed button located to the left of the RJ45 connector is used to reset the IP-50RX back to factory settings. Hold in for 10 seconds under power until the Network LED goes out to reset to factory settings.

## DETAILED INSTALLATION AND SETUP

A CAT5 network cable will be needed and should be connected to the RJ45 input on the IP-50RX.

There is no on/off switch for the IP50, if it's plugged in the wall it is always on even if POD1 and POD2 are not passing power.

### SET UP DETAIL

**Connecting to the IP-50RX to a router.** (Singular units)

1. After powering on the IP-50RX connect the CAT 5 RJ45 cable into your router and IP50.
2. The IP-50RX will take a few seconds to boot up and configure itself once it receives power, at which point the Network light on the front of the unit should illuminate and remain on without blinking, indicating network connectivity. If the Network light blinks check the cable connections.
3. Open a web browser on a PC connected to the same network router as the IP-50RX and type in the following address on the navigation bar to access the IP-50RX: **http://juicegoose**  
Be sure to type exactly as shown. **No domain such as .com should be added.**
4. You will be presented with the login box. Enter the following initial username and password (these can be changed later):

User: **admin** Password: **juicegoose**

### **Setting up multiple IP-50RX's.**

DHCP is automatically enabled on the IP-50RX out of the box, as such plugging multiple units into a router without first assigning the Individual IP addresses may cause problems identifying each unit's actual IP address.

If you are setting up multiple IP-50RXs on the same network a different setup approach is advised, which can be accomplished in 2 ways.

#### **1. Multiple IP-50RX setup on a router.**

1(a) When installing more than one IP-50RX on a router each one needs to be assigned it's individual IP address before plugging/powering on the next unit to be added.

1(b). Connect the first IP-50RX's network cable to the router and follow the singular unit setup on the previous page from step 2.

1(c). Be sure to turn off DHCP in the configuration section of the IP-50RX's configuration page and assign the IP address you want the unit to use.

1(d) Once the IP address as been assigned click the save button to save and reboot the IP-50RX.

1(e) You now access the IP-50RX you just configured by using it's assigned IP address rather than the http://juicegoose method.

1(f) Repeat steps (b) through (e) assigning a different IP address for each unit.

1(g) If remote operation of multiple units is desired you'll also need to choose a different port number for each unit, the default is port 80.

#### **2. Multiple IP-50RX Bench setup.**

2(a). Gather all the IP-50RXs you want to setup along with a PC computer and Cat5 crossover cable.

2(b). Configure the PC computer's TCP/IP address to 192.168.1.1, this allows direct communication with the IP-50RX in it's default state. (See next page on how to configure your TCP/IP address if you are unsure)

2(c). Connect the CAT5 Crossover cable between the IP-50RX and the PC.

2(d). Power up the IP50.

2(e). Follow the singular unit setup on the previous page from step 2.

2(f). Be sure to turn off DHCP in the configuration section of the IP-50RX's configuration page and assign the IP address you want the unit to use.

2(g) Once the IP address as been assigned click the save button to save and reboot the IP-50RX.

2(h) You now access the IP-50RX you just configured by using it's assigned IP address rather than the http://juicegoose method.

2(i) Repeat steps (e) through (h) assigning a different IP address for each unit.

2(j) If remote operation of multiple units is desired you'll also need to choose a different port number for each unit, the default is port 80.

### **Configuring your PC TCP/IP address to communicate with the IP-50RX.**

Should the IP-50RX fail to communicate with the Host PC in the Bench setup option you may need to change the assigned IP address of the PC to match the default network IP address range the IP-50RX. To do this follow these steps.

1. In Windows go to your start menu and navigate to the control panel. Then choose the Network Connections” icon.
2. Open Network connections by double clicking on it, select the LAN or HIGH SPEED icon, right click on this and select properties.
3. Click once on the Internet Protocol item that you will see at the bottom of the list and select the properties button which is at the mid right.

NOTE: you may want to write down your current PC internet protocol settings before making any of the following changes should you wish to revert back to them.

4. Check the “Use the following IP address” box and then change the IP address to: 192.168.1.1, change subnet mask to 255.255.255.0, then change the Default Gateway address also to: 192.168.1.1.
5. Click OK and then close the network box.
6. Open a web browser on your PC and type in the following address on the navigation bar to access the IP-50RX: **192.168.1.77**.
7. The IP-50RX login box will appear, enter your login details and oper-

The IP-50RX Management section is accessible from the top right link named “In Wall iP Management” and consists of 4 tabs;

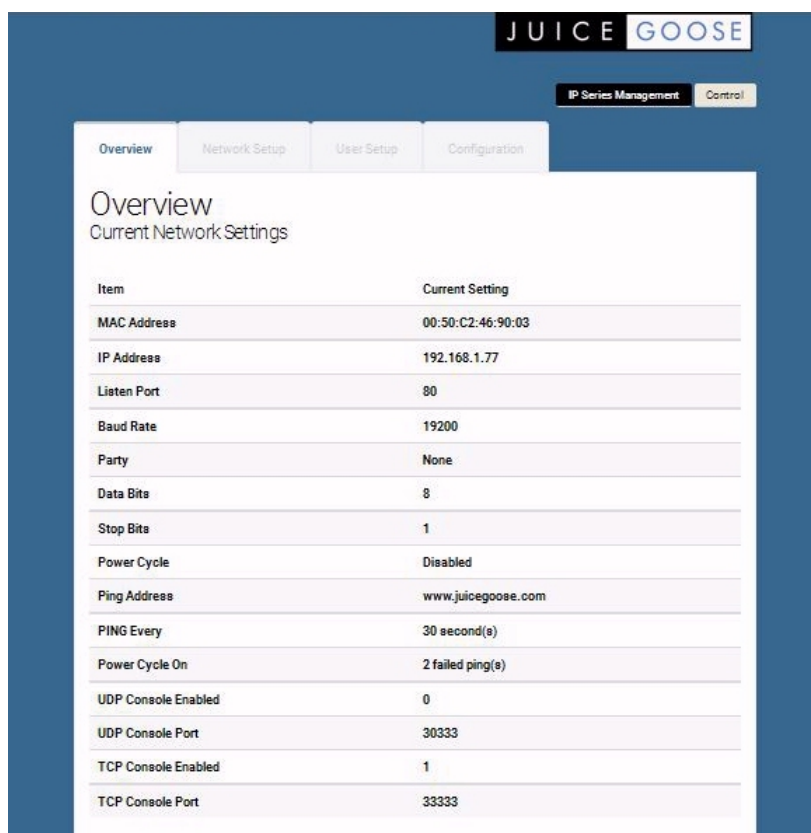
Overview—Which shows the current configuration of the IP-50RX

Network Setup— Where you can configure IP address and other required network settings dependant on your personal network

User Setup— Where you can set the username and password for both the admin account and user account

Configuration— Which allows you to configure the Power Cycle feature of POD1.

## OVERVIEW



The screenshot displays the 'Overview' tab of the Juice Goose IP Series Management interface. The page title is 'Overview' and the subtitle is 'Current Network Settings'. Below this, a table lists various network parameters and their current settings.

Item	Current Setting
MAC Address	00:50:C2:46:90:03
IP Address	192.168.1.77
Listen Port	80
Baud Rate	19200
Parity	None
Data Bits	8
Stop Bits	1
Power Cycle	Disabled
Ping Address	www.juicegoose.com
PING Every	30 second(s)
Power Cycle On	2 failed ping(s)
UDP Console Enabled	0
UDP Console Port	30333
TCP Console Enabled	1
TCP Console Port	33333

The Overview Tab displays the current settings of the unit and the MAC address. This page is useful for retrieving all the information you may need to set up the IP-50RX on your network. If you have DHCP enabled, the IP address your router/DHCP server assigned can be viewed here.



## NETWORK SETUP

Overview Network Setup User Setup Configuration

### Network Setup

If you need assistance, please contact your Network Administrator

Enable DHCP

Item	Current Setting
MAC Address:	00:50:C2:46:90:03
Listen Port:	80
IP Address:	192 168 1 77
Subnet Mask:	255 255 255 0
Default Gateway:	192 168 1 1
Preferred DNS Server:	195 .5 61 70
Alternate DNS Server:	151 164 1 7

UPDATE SETTINGS

In the above screen capture you can see the network setup tab accessible when logged in as Admin.

The Enable DHCP is checked by default. This will result in the router or DHCP server assigning the IP address of the unit which will then be visible on the OVERVIEW tab.

If you wish to set the IP address manually to conform with your personal network the fields are provided to do this, you must first disable the DHCP check box and then enter the IP address, subnet mask, default gateway and preferred DNS values in compliance with your local network.

The Listen Port is used for remote access from outside your network. The default is set to 80. But this can be changed to any port you select that otherwise is not being used by any other attached system. See page 13 for further details on the port address and how it relates to remote access.

## USER SETUP

The screenshot shows the 'User Setup' page in the JUICE GOOSE web interface. At the top, there is a navigation bar with tabs for 'Overview', 'Network Setup', 'User Setup', and 'Configuration'. Below the navigation bar, the 'User Setup' section is displayed. It contains two main sections: 'ADMIN ACCOUNT' and 'USER ACCOUNT'. Each section has three input fields: 'Username:', 'Password:', and 'Confirm Password:'. At the bottom right of the form area, there is a blue button labeled 'UPDATE SETTINGS'.

The user setup tab is where you configure the Admin and User account passwords. You can change the username and password on both accounts by typing in the changes in the corresponding fields. There is a second password field for both accounts that verifies you typed the password in correctly. If you did not, an error message will be displayed when trying to save the changes.

Once you have set the desired username/passwords hit the 'UPDATE SETTINGS' button and the changes will be made and the unit will reboot. You may hit the Cancel button if you decide you don't want the changes and the username/passwords will remain unchanged.

Only the Admin login has access to the setup and configuration page. This login should only be used by authorized people as changes can render the unit in an unusable state if the wrong data is entered. A factory reset would then have to be applied.

The User account has access to only the POD and Sequence control page.

Multiple Admins and Users can be logged into the device at the same time which allows uninterrupted operation from multiple locations without the need for other users to log out first. The commands are processed based on the last command issued.

## CONFIGURATION

The screenshot shows the 'Configuration' page for Juice Goose. The page is titled 'Configuration' and 'Serial Port and Power Cycle Configuration Settings'. It has a navigation bar with 'Overview', 'Network Setup', 'User Setup', and 'Configuration'. The 'Configuration' section is active. The settings are organized into several sections:

- ADMIN ACCOUNT**
  - Firmware Revision: 1.04-2ch
  - Compilation Date: Jul 19 2019
  - Power Loss Feature:  Yes  No (Return to previous POD status after power outage?)
- TCP CONSOLE**
  - Port: 33333
  - Enable \ Disable:  Enable  Disable
- UDP CONSOLE**
  - Port: 30333
  - Enable \ Disable:  Enable  Disable
- RS232 SETTINGS**
  - Baud Rate: 19200
  - Parity: None
  - Data Bits: 8
  - Stop Bits: 1
- SEQUENCE**
  - Delay: 2 second(s)
- POWER CYCLE POD 1**
  - Auto Reboot:  Enable  Disable
  - PING Address: www.juicegoose.com
  - PING Every: 30 second(s)
  - Power Cycle After: 2 failed ping(s)

An 'UPDATE SETTINGS' button is located at the bottom right of the configuration area.

## POWER CYCLE FEATURE

The Configuration tab contains the Power Cycle control feature. The Power Cycle feature is useful for rebooting routers should a connectivity issue arise. Simply plug the router into POD1. Should a router lock up occur it will be re-booted via the power cycling of POD1 when your chosen domain cannot be PINGed by the IP-50RX. This feature ships disabled and can be enabled using the checkbox.

Before you enable this feature, be sure to configure the Power Cycle settings you require. After you enable the Power Cycle feature the settings cannot be changed unless you disable the feature again.

Please note: if you have a Dynamic IP address it is not advisable to plug your Cable/DSL modem into POD1 as a reboot of the modem could result in a new IP address being assigned to the modem and so could result in remote access issues if you do not know what the new IP address is. If you have a static IP address this is not an issue and the modem can also be plugged into POD1.

There are 3 user definable fields to this feature.

The 'PING Address' field is the internet address that the unit will use to check network connectivity. The default is our web domain (www.juicegoose.com) and can be left as is. If you wish to choose another domain simply type the address in this field.

The 'PING Every' field is how often you want the IP-50RX to check for connectivity. The default is 30 seconds and can be changed to any value (in seconds) you choose. It's recommended that you don't go below 30 seconds to allow any attached devices 'boot up' time.

The 'Power Cycle After' field is how many failed PING attempts the unit will carry out before rebooting POD1. The default is set to 2 tries but the user can define any value.

Once you have completed all setup fields as desired hit the save button at the bottom of the page to update the unit and reboot it.

## **REMOTE CONTROL**

### **Using the On Board Web Server**

**TURNING POWER ON AND OFF** - On the Control page, each POD has associated with it a virtual On/Off button (Activate) and an On/Off indicator (Status). Clicking an On/Off button turns the corresponding POD on or off. When a POD is on the Status indicator will be green as if on. When a POD is off, it's Status indicator will darken, as if off.

**SEQUENCING SETTINGS** - Rather than turning each POD on and off individually, in applications where it is desired to turn the outlets on and off in a coordinated sequence, a macro program can be set to turn the PODS on (1-2) and off (2-1) in order with the click of a virtual button. Under the Sequence heading on the Control page enter a desired number of seconds for the delay of turning the PODS on and off. The default value is two seconds. Clicking the Activate button will turn the outlets on or off in the prescribed order. The status of the PODs is indicated below the Status heading on the Control page.

**REMOTE OPERATION OF IP-50RX** - To access the IP-50RX from a different network other than the one the IP-50RX is using, you need to first assign the IP-50RX with a PORT address on the Network setup page and then assign this on your router. Log in to your router and enable the PORT FORWARDING feature (Sometimes called Virtual Server) using the assigned IP-50RX IP number you chose and the port number you assigned. Each router's port forwarding is different. So see your routers manual for help with configuring this. Once you have port forwarding setup you can access the IP-50RX from a remote network by typing the IP address and PORT address into your browser bar. The PORT address is added to the end of the IP address separated by a colon.

Example 200.100.075.050:80 - In this example "80" is the port address.


If you have enabled the port forwarding correctly on your router you will be able to access the IP-50RX from any location in the world.

## RAW TCP CONTROL

It is possible to control the IP-50RX over Ethernet using raw TCP protocol. In this mode, any PC ( Windows, Linux, Mac ) can connect to the IP-50RX over a TCP/IP connection using a suitable TCP/IP client program. Once the connection is made, the console commands (see page 15) are available to the user over TCP/IP as if the user was connected to IP-50RX over the local serial connection.

By default, TCP feature is disabled due to security reasons. This can be enabled through the web interface. The default TCP port is 33333; this can also be changed through the web interface.

To enable TCP feature, click on the **IP Series Management** link on the web interface and then click on **Configuration** tab. Mark the button called **Enable** in the **TCP** section. Change the default TCP port, if needed.



The screenshot shows the web interface for JUICE GOOSE. At the top right, there is a logo for "JUICE GOOSE" and a navigation menu with "IP Series Management" and "Control". Below this, there are tabs for "Overview", "Network Setup", "User Setup", and "Configuration". The "Configuration" tab is active, and the page title is "Configuration" with a subtitle "Serial Port and Power Cycle Configuration Settings".

Under the "ADMIN ACCOUNT" section, there are two rows of information:

Firmware Revision:	1.04-2oh
Compilation Date:	Jul 19 2019

Below this is a "Power Loss Feature" section with a radio button for "Yes" (selected) and "No".

The "TCP CONSOLE" section has a "Port:" field with the value "33333" and an "Enable \ Disable:" section with radio buttons for "Enable" (selected) and "Disable".

The "UDP CONSOLE" section has a "Port:" field with the value "30333" and an "Enable \ Disable:" section with radio buttons for "Enable" and "Disable" (selected).

To connect to IP-50RX over TCP, simply start your TCP client program ( such as Hercules or PuTTY) and specify the IP address of the IP-50RX and the TCP port. Start the connection ( many programs have a Connect button to start the connection ) and type IP-50RX console commands such as Help. You should see the reply to the command on the TCP client terminal window. See page 16 of this manual for a full list of the console commands available.

Instead of a dedicated client program, it is also possible to use Telnet to establish the connection. For example, from Windows command prompt, type:

**telnet <IP Address> <Port>**

where **<IP Address>** is the address of the IP-50RX to connect and **<Port>** is the TCP port to use.

Example: **telnet 192.168.1.22 33333**

Note: If there is no activity on the console for 10 minutes the TCP connection will be closed automatically.

## UDP CONTROL

It is possible to control the IP-50RX over Ethernet using UDP protocol. In this mode, any PC ( Windows, Linux, Mac ) can connect to the IP-50RX using a suitable UDP capable client program. Once the UDP port is opened, the serial port console and its commands are available to the user over UDP as if the user was connected to IP-50RX over a local serial connection.

By default, UDP feature is disabled due to security reasons. This can be enabled through the web interface. The default UDP port is 30333; this can also be changed through the web interface.

To enable UDP feature, click on the **IP Series Management** link on the web interface and then click on **Configuration** tab. Mark the button called **Enable** in the **UDP** section. Change the default UDP port, if needed.

Unlike TCP, UDP is a connectionless protocol. Also, unlike TCP, UDP does not guarantee delivery of messages. For simple console applications, this is not critical and the message can be retyped if there is a problem with transmission.

See page 16 of this manual for a full list of the console commands available.

The screenshot shows the web interface for 'JUICE GOOSE'. At the top right, there are tabs for 'IP Series Management' and 'Control'. Below these are navigation tabs: 'Overview', 'Network Setup', 'User Setup', and 'Configuration'. The 'Configuration' tab is active, displaying 'Serial Port and Power Cycle Configuration Settings'. Under the 'ADMIN ACCOUNT' section, there are fields for 'Firmware Revision: 1.04-2ch' and 'Compilation Date: Jul 19 2019'. A 'Power Loss Feature' section has a radio button for 'Yes' (selected) and 'No'. The 'TCP CONSOLE' section has a 'Port' field with '33333' and 'Enable \ Disable' radio buttons with 'Enable' selected. The 'UDP CONSOLE' section has a 'Port' field with '30333' and 'Enable \ Disable' radio buttons with 'Disable' selected.



## CONSOLE COMMANDS AVAILABLE

Here is a list of the console commands available using UDP and RAW TCP.

POD1ON – Turns POD 1 on  
POD1OFF – Turns POD 1 off  
POD2ON – Turns POD 2 on  
POD2OFF – Turns POD 2 off  
ALLON—Turns all PODs on without sequence  
ALLOFF – Turns all PODs off without sequence

SEQUP(X) – Sequences up all PODs from 1 to 2, where (X) is the number of seconds between sequence events (e.g. A 2 second sequence would be SEQUP2)

SEQDOWN(X) Sequences down all PODs from 2 to 1, where (X) is the number of seconds between sequence events (e.g. A 2 second sequence would be SEQDOWN2)

DHCPON - Enables DHCP on the IP-50RX  
DHCPOFF - Disables the DHCP on the IP-50RX. You will want to disable DHCP before entering any new network settings or the changes will be lost when connecting the unit to a network.

SETIP XXX.XXX.XXX.XXX - Sets the IP address of the unit where 'X' represents your chosen numerals.  
SETMASK XXX.XXX.XXX.XXX - Sets the subnet mask of the unit where 'X' represents your chosen numerals.  
SETGATEIP XXX.XXX.XXX.XXX - Sets the gateway of the unit where 'X' represents your chosen numerals.  
SETPDNS - Sets the primary DNS IP address.  
SETSDNS - Sets the secondary DNS IP address.  
INFO - Shows all current settings

RESTART - Restarts/Reboots the IP-50RX. Use this command after making your changes.

# POWER LOSS FEATURE

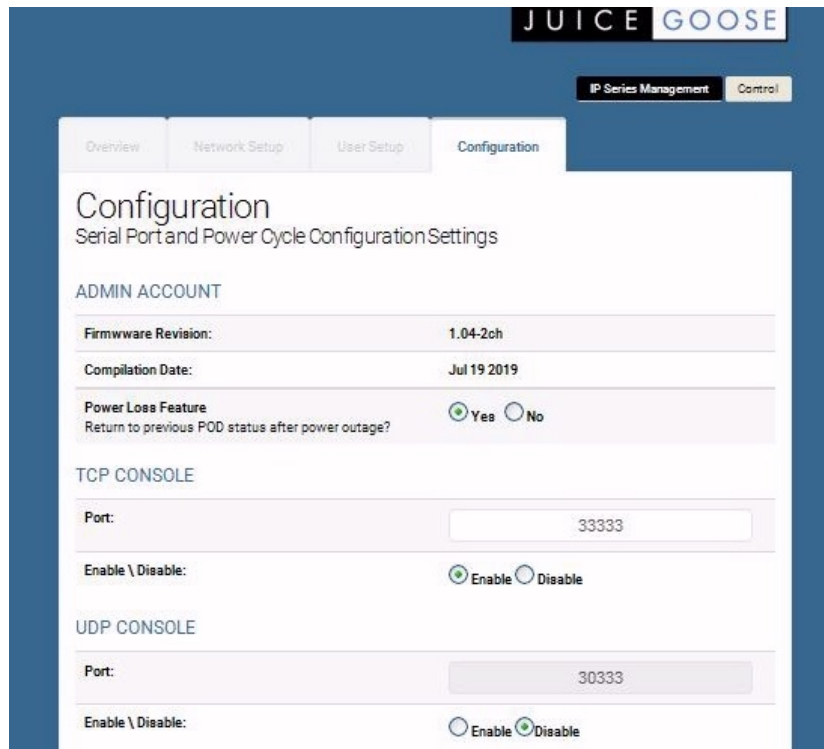
The power loss feature on the IP-50RX ensures that in the event of a power outage the previous state is remembered when power is returned.

Effectively this means that if you have PODs in an activated state and the power fails, when power is restored the PODs that were previously activated will sequence back up in accordance with the sequence delay currently active.

To enable the power loss feature, click on **IP Series Management** link on the web interface and then click on **Configuration** tab. You will see a check box under the Power Loss Feature section. Checking the box enables the feature.

## NOTE:

Please note, a delay of up to 5 seconds can occur between issuing a command in the web server and the IP-50RX storing the state. So if power is lost just after a command has been issued the state may not be remembered.



## **TROUBLESHOOTING**

The Juice Goose IP-50RX is ruggedly constructed and contains quality components. There are no user serviceable parts inside this device. Unauthorized service will void all existing warranties and may result in equipment damage and personal injury.

Should improper performance be observed consult the following guidelines for diagnosis.

### **THE IP-50RX WILL NOT POWER UP.**

- a. Check the device is plugged into the wall outlet.
- b. Check that the facility circuit breaker is not tripped.
- c. Check the Network LED on the chassis. If it is not lit the iP device is probably not receiving power. Try another known working outlet.
- d. Check the Fault LED if it is likely an external wiring fault, use a different outlet or have the wiring checked by a qualified electrician.

### **I CANNOT CONNECT TO THE IP50 VIA MY NETWORK.**

A) Ensure your router has DHCP enabled (see your router's user manual to enable this feature). Then type <http://juicegoose> to access the login screen.

B) Check you are using the correct cable, standard CAT5 cable for router connection, crossover cable for direct to PC connection.

C) If you are connecting directly to a PC you will have to configure your computer to have an IP address of 192.168.1.1. See your operating systems help file on how to do this. We recommend you setup the devices initially on a router.

D) Are you using the correct username and password? If you are accessing the login page and your login is failing you might need to reset to factory default and try again if you have forgotten the correct username/password combination.

E) If you are trying to connect from a remote network ensure you are trying to access using the correct IP address and PORT number which were assigned to the unit. Port forwarding may need to be enabled on the remote unit's network router (see your administrator).

### **POD 1 KEEPS REBOOTING.**

The Power Cycle feature may be enabled and there is no connectivity to the selected domain. POD 1 will power cycle if the defined domain name to be PINGed is unreachable. This can happen if you're using the unit independently of a web enabled network. Disable the feature in this case.

- a. Ensure you have chosen a valid web address to PING.
- b. Ensure you have the PING set to at least 30 seconds and the retries to at least 2. If you have a router/modem on POD1, 60 seconds with 2 retries is recommended to allow time for the modem to boot up and reestablish connection.

### **THE IP-50RX TURNS OFF UNEXPECTEDLY.**

- a. The unit may have encountered excessive current draw that caused the circuit breaker to trip. Examine the breaker. If it has tripped the button section of the breaker will be extended and can be reset by pushing it in after the unit has been off for a brief period.
- b. Review the current requirement of the equipment plugged into the IP-50RX and compare it to the amperage rating of the IP50. See the Detail Specification section of this manual on Page 3.

### **I'VE FORGOTTEN MY USERNAME/PASSWORD.**

The only way to fix this issue is to do a factory reset of the unit as detailed below.

### **FACTORY RESET ALL VALUES.**

The IP-50RX can be returned to its default firmware values by pressing the reset button on the side of the IP-50RX to the left of the RJ45 input connector. This will also reset all configuration values to their default settings, and the IP address to: 192.168.1.77 with the DHCP feature enabled.

To perform the factory reset, use a paperclip or similar to press the "Reset" button and hold it for 10 seconds while the IP-50RX is powered on. The network LED will be lit solid. When the LED goes out the reset is complete.

**I'VE TRIED THESE SOLUTIONS AND STILL HAVE A PROBLEM.**

If the problem can not be remedied, if the encountered problem is not listed here and particularly if any evidence of severe or hazardous performance is observed, immediately disconnect power to the iP device and contact your local Juice Goose dealer or Juice Goose directly.

**SERVICE**

Should your unit require service, contact Juice Goose to receive a service authorization number. This number will allow us to track your returned unit. Please note that no returns will be accepted without such a number.

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