JUICE GOOSE

Powered by LynTec

OWNER'S MANUAL

IP SERIES

WEB CONTROLLED
AC POWER DISTRIBUTION

File:
3176209DEN-001

DISCLAIMER

Juice Goose shall under no circumstances be held responsible for any losses, damage, or injury resulting directly or indirectly from the use of a IP Series 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 a IP product for any generally described application.

iP Series
WEB BASED REMOTE POWER CONTROL

The Juice Goose iP series products are microcontroller based power distribution devices that can be accessed via Internet or intranet communications using Ethernet connection (depending on model). With this remote access, individual AC receptacles can be turned on and off and AC power receptacles can be monitored for electrical current flow.

SAFETY PRECAUTIONS

IP Series products are designed 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: All IP devices must be grounded. If a power extension cord is required, use a properly insulated and grounded cord. Failure to ground the device could expose the user to dangerous electric shock.

CAUTION #2: All IP devices should be installed only by qualified electrical technicians using appropriate mounting hardware and correct installation techniques. When installing make sure main power is off before attaching the IP device. There are no user serviceable parts inside any of the IP products.

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

PRÉCAUTIONS DE SÉCURITÉ

Série IP produits sont conçus pour fonctionner à 120 volts, 60 hertz. Fonctionnement avec une tension ou une fréquence autre que celle qui peut endommager l'équipement et de créer une situation dangereuse.

ATTENTION #1: IP tous les périphériques doivent être mis à la terre. Si une extension de cordon est nécessaire, utiliser un correctement isolés et cordon mis à la terre. Échec à la masse le périphérique pourrait exposer l'utilisateur à choc électrique.

ATTENTION #2: Tous les périphériques IP ne devrait être installé que par des électriciens qualifiés avec matériel de montage approprié et correct techniques d'installation. Lors de l'installation assurezvous que l'alimentation principale est hors tension avant de procéder à l'accrochage de la IP périphérique. Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur des IP produits.

ATTENTION #3 : Ne pas exposer le IP produit de l'humidité ou air salé. Cela pourrait causer des dommages importants et créer une situation dangereuse.

QUICKSTART GUIDE

1. Unbox the unit. The box should contain: iP Series device, Quick Start Guide, and Juice Goose promotional material. You will need a CAT5 network cable if attaching to a router, a CAT 5/6 crossover cable if connecting directly to a PC.

2. With your PC on and booted up, connect the iP series device to your router or PC using a suitable cable. If the iP series device is connected to a network router use a standard CAT 5 cable, if connected directly to a PC use a CAT 5/6 crossover cable.

3. Plug the iP series device power cord into a live AC receptacle, such as a wall outlet, with a 15 or 20 amp capacity depending on model or in the case of the IP-PD1-4 have an electrician hardwire the unit.

4. The iP series device will take about 30 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. The iP unit defaults to DCHP. Please use the LynTec Locator app to find the IP address. https://lyntec.com/lyntec-locator-app/ Enter it into your web browser (if that fails to work try 192.168.1.77)

6. At this point you will be prompted to log into the iP series device.

   Initial login will be:
   Username: admin
   Password: xrip

7. You will be presented with the control section where you can control the iP series 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 device 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 7.

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

DETAIL SPECIFICATIONS

	IP 1515 and IP 1520	IP 1515-RX and IP 1520-RX	IP 50	IP 50-RX	IP PD1-4
DIMENSIONS (H x W x D)	1.72 x 19.00 x 7.00 in 4.37 x 48.26 x 17.78 cm	1.72 x 19.00 x 7.00 in 4.37 x 48.26 x 17.78 cm	1.75 x 9.0 x 9.5 in 4.45 x 22.86 x 24.13 cm	1.75 x 9.0 x 9.5 in 4.45 x 22.86 x 24.13 cm	32 x 3.5 x 2.0 in 81.28 x 8.89 x 5.08 cm
WEIGHT	10.0lbs 4.54kg	10.0lbs 4.54kg	5.0lbs 2.27kg	5.5lbs 2.49kg	13.0lbs 5.90kg
CIRCUIT BREAKER	Back Panel,15A Thermal (IP 1515) Back Panel 20A Thermal (IP 1520)	Back Panel,15A Thermal (IP 1515) Back Panel 20A Thermal (IP 1520)	15A Thermal	15A Thermal	None
POWER INPUT	Power Cord, 7 Foot, 14/3 SJTW with NEMA 5/15P (IP 1515) Power Cord, 7 Foot, 12/3 SJTW with NEMA 5/20P (IP 1520)	Power Cord, 7 Foot, 14/3 SJTW with NEMA 5/15P (IP 1515) Power Cord, 7 Foot, 12/3 SJTW with NEMA 5/20P (IP 1520)	Power Cord, 6 Foot, IEC C13 to right angled Nema 5/15P	Power Cord, 6 Foot, IEC C13 to right angled Nema 5/15P	Hardwire with External 4' Wire Harness
VOLTAGE INPUT	120 VAC at 60 Hz				
POWER OUTPUTS	Six NEMA 5/15R Sequenced and One NEMA 5/15R Unswitched (IP 1515) Six NEMA 5/20R Sequenced and One NEMA 5/15R Unswitched (IP 1520)	Six NEMA 5/15R Sequenced and One NEMA 5/15R Unswitched (IP 1515) Six NEMA 5/20R Sequenced and One NEMA 5/15R Unswitched (IP 1520)	Two, NEMA 5/15R, controlled One, NEMA 5/15R, unswitched	Two, NEMA 5/15R, controlled One, NEMA 5/15R, unswitched	Eight NEMA 5/20R, controlled
RELAY CURRENT RATING ALL MODELS	30A				
POWER LINE CONDITIONING	Standard surge protection module	Max Voltage Surge: 10 volts line-neutral, 0.50 volts ground Filtration @ 30MHz: 60 dB line-neutral, 80 dB ground	Standard surge protection module	Max Voltage Surge: 10 volts line-neutral, 0.50 volts ground Filtration @ 30MHz: 60 dB line-neutral, 80 dB ground	None
OPERATING TEMP. (F)	32 to 158				
STORAGE TEMP. (F)	-40 to 185				
COMM. PROTOCOLS	HTML, TCP, UDP	HTML, TCP, UDP	HTML, TCP, UDP	HTML, TCP, UDP	HTML, TCP, UDP
COMMUNICATION LINES					
ETHERNET (NETWORK)	RJ-45 (See Owners Manual for Assembly)				

FRONT PANEL FEATURES

ROCKER SWITCH - Moving this switch to the UP position will cause the iP Series to turn on the power PODs in a timed sequence. Moving this switch to the DOWN position will cause the unit to turn off the POD outlets in the reverse order. (Not present on IP50/IP50-RX model).

RECESSED SLIDE SWITCH - This switch is use manually turn on all outlets simultaneously. When the switch is returned to it's "off" position the iP Series will revert to the prior state. (Switch is not present on IP50/IP50-RX model. The manual override feature on the IP-PD1-4 is activated as a position on it's rocker switch).

NETWORK LED – IP15XX and IP15xx-RX MODELS: Solid Blue/Red indicates network connection and surge protection OK. Blinking Blue/Red means network connection fault. Solid Red or Blinking Red indicates surge protection fault. The absence of Red indicates an internal component issue. IP-PD1-4: White solid LED indicates network connection, White blinking LED indicates no network connection. IP50/iP50-RX: Blue solid LED indicates network connection, Blue Blinking LED indicates no network connection.

POD LEDs - As each of the POD duplex receptacles on the back of the iP series turns on a corresponding LED on the front of the unit will light. Each LED will turn off when the POD turns off (except IP-PD1-4).

(IP50/IP50-RX models only) NETWORK (Ethernet) PORT - This RJ45 connector is for connecting to your PC, router or local area network using a TCP/IP link.

BACK PANEL FEATURES

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

CONTROLLABLE PODs (outlets) There are 3 duplex receptacles on the back of the IP15 models, 4 on the IP-PD1-4 model and 2 outlets on the IP50 models. Each is rated for a maximum of 15 or 20 amp load (dependant on model) and each is controllable to turn on or off independently of the others. When the on board sequencing process is used POD 1 will turn on first, followed in order by the other PODs. They will turn of in reverse order using this same process.

UNSWITCHED OUTLET - This single outlet is rated for a maximum load of twelve amps on the IP1515/ IP1515-RX/IP50/IP50-RX and sixteen amps on the IP1520/IP1520-RX. It will have power any time the iP device is plugged into a live AC receptacle.

DETAILED INSTALLATION AND SETUP

Connecting to the iP device using a Router:

1. Connect the iP device to your network router using a Cat 5 cable plugged into the RJ45 “Network” port on the rear of the unit and the other end to your network router.

2. Plug the iP device power cord into a live AC receptacle, such as a wall outlet. Note: The iP1520 requires a 20 amp, NEMA 5-20R receptacle and the IP-PD14 is hardwired by an electrician.

3. The iP device will take a few moments to boot up and configure itself at which point the Network light on the front of the unit should illuminate, changing from blinking to solid. If the Network light blinks check the cable connections.

4. DCHP is enabled by default. Use the LynTec Locator App (https://lyntec.com/lyntec-locator-app/) to find the IP address. Once you have it, enter it into your web browser. Because the device hosts an embedded web server, the connection uses HTTP (not HTTPS).

5. You will be presented with the login box. Enter the following initial username and password (these can be changed later):

Admin Password:	User Password
User: admin Password: xrip	User: user Password: pw

Connecting to the iP device using a CAT5/6 cable:

To connect the iP device to a PC directly you may need to change the properties of your internet connection/IP address.

1. Plug the cable into the PC network socket and the other end into the iP device Network socket .

2. Plug the iP device power cord into a live AC receptacle, such as a wall outlet. Note: the iP1520 power cord requires a twenty amp, NEMA 5-20R, receptacle (for the IP-PD1-4 ensure it is hardwired and the circuit is operating).

3. The iP device will take a few seconds to boot up and configure itself 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.

4. In Windows go to your start menu and navigate to the control panel. Then choose the Network Connections” icon. (For other operating systems consult your system administrator or refer to the operating system’s user/help section).

5. Open Network connections by double clicking on it, select the LAN or HIGHSPEED icon, right click on this and select properties.

6. 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.

7. Check the “Use the following IP address” box and then change the IP address to: 192.168.1.1, then change the Default Gateway address also to: 192.168.1.1.

8. Click OK and then close the network box.

9. Open a web browser on your PC and type in the following address on the navigation bar to access the iP device: 192.168.1.77 or if DCHP is enabled (default) use the LynTec Locator to find the IP address. https://lyntec.com/lyntec-locator-app/

The iP Series Management section is accessible from the top right link named “Management”. It consists of 4 tabs:

Overview: shows the current configuration of the iP device.

Network Setup: Configure IP address and other required network settings dependant on your personal network

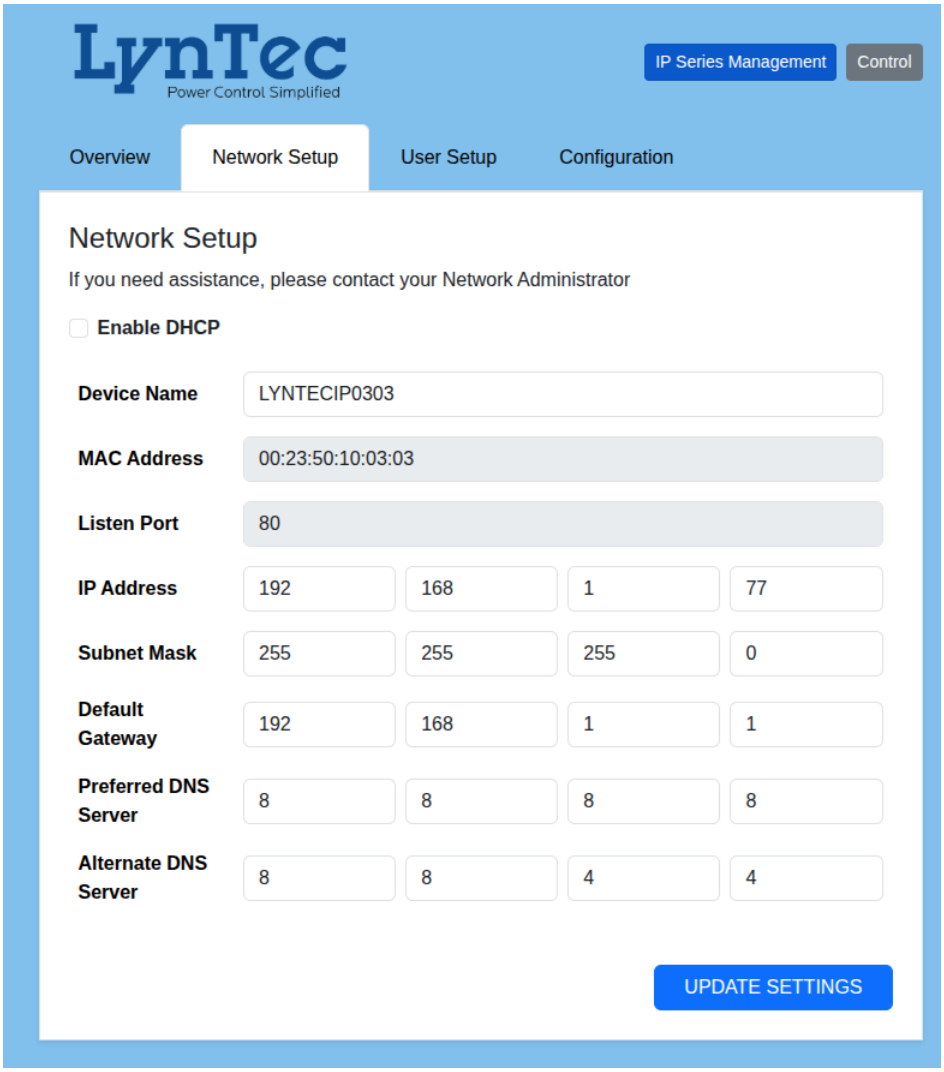
User Setup: Set the username and password for both the admin account and user account

Configuration Setup: Configure sequencing delay, Telnet, and Power Cycle features.

OVERVIEW

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 device on your network. If you have DHCP enabled, the IP address your router/DHCP server assigned can be viewed here.

NETWORK SETUP

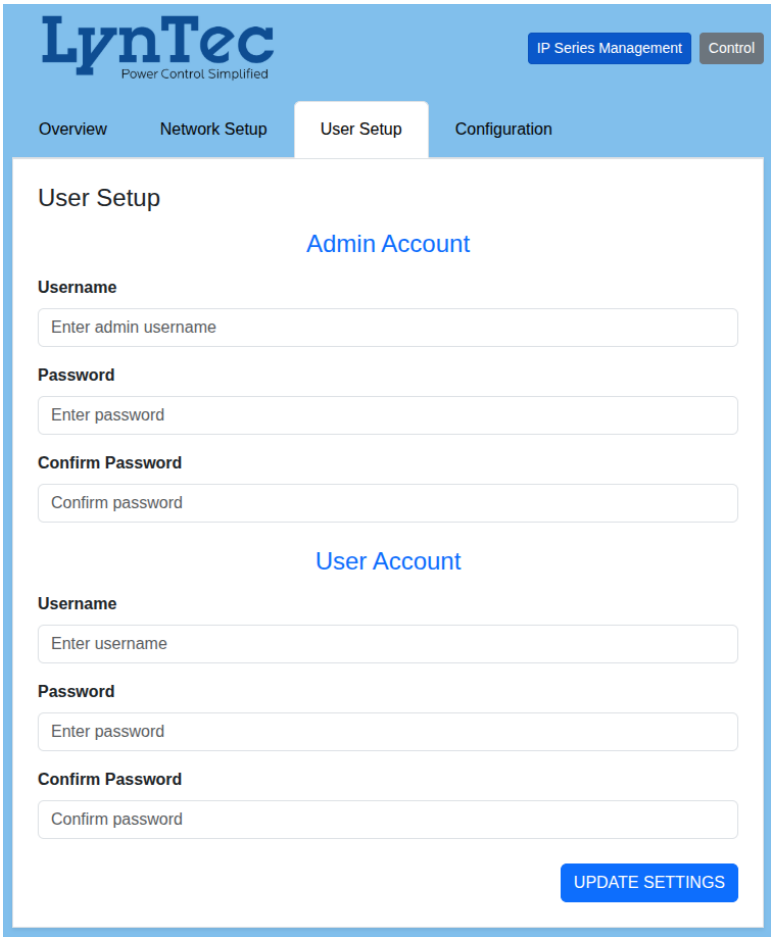


In the above image you can see the network setup tab accessible when logged in as Admin.

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.

USER SETUP



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 'SAVE' 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.

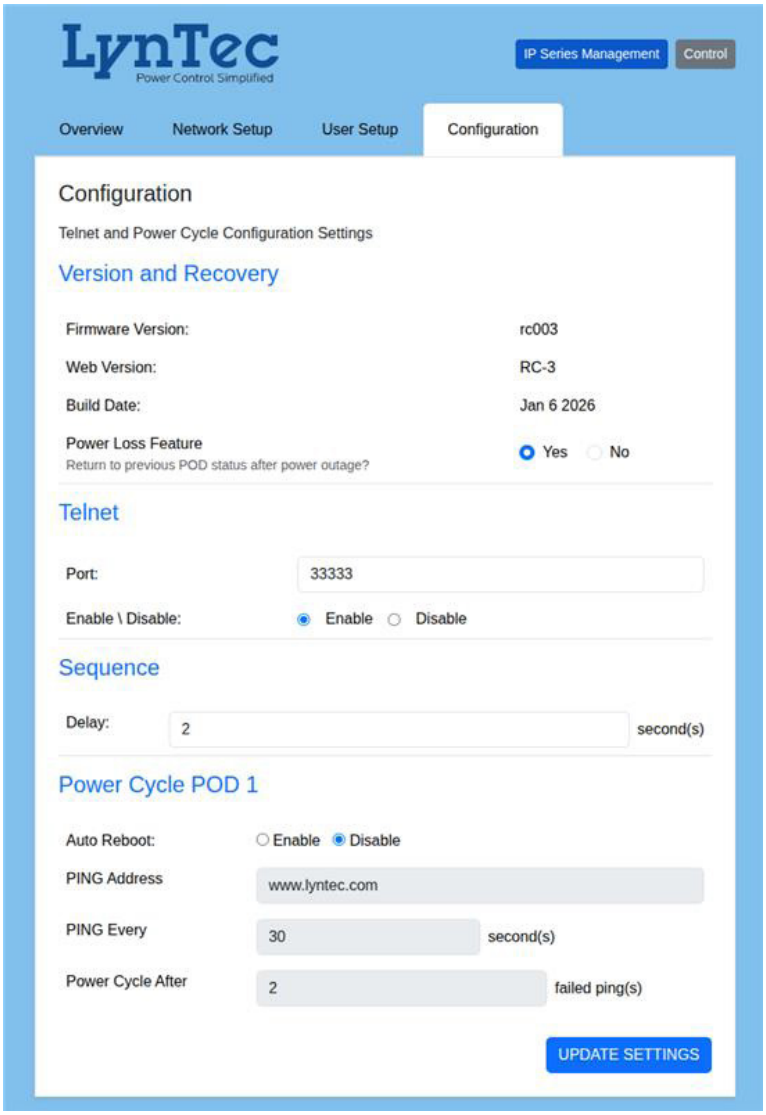
The User account has access to only the POD and Sequence control page.

Admins and users cannot be logged in at the same time.

User Password

User: user
Password: pw

CONFIGURATION



POWER LOSS FEATURE

The power loss feature on the iP series products 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 series product storing the state. So if power is lost just after a command has been issued the state may not be remembered.

POWER CYCLE FEATURE

Also on the configuration tab is 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 the units will be rebooted via the power cycling of POD1 when your chosen domain cannot be PINGed by the iP device. This feature ships disabled and can be enabled using the checkbox.

Before you enable this feature, be sure to configure the 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. We suggest plugging the modem into the Unswitched (always on) outlet of the iP device and the router in POD1. 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 device 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.

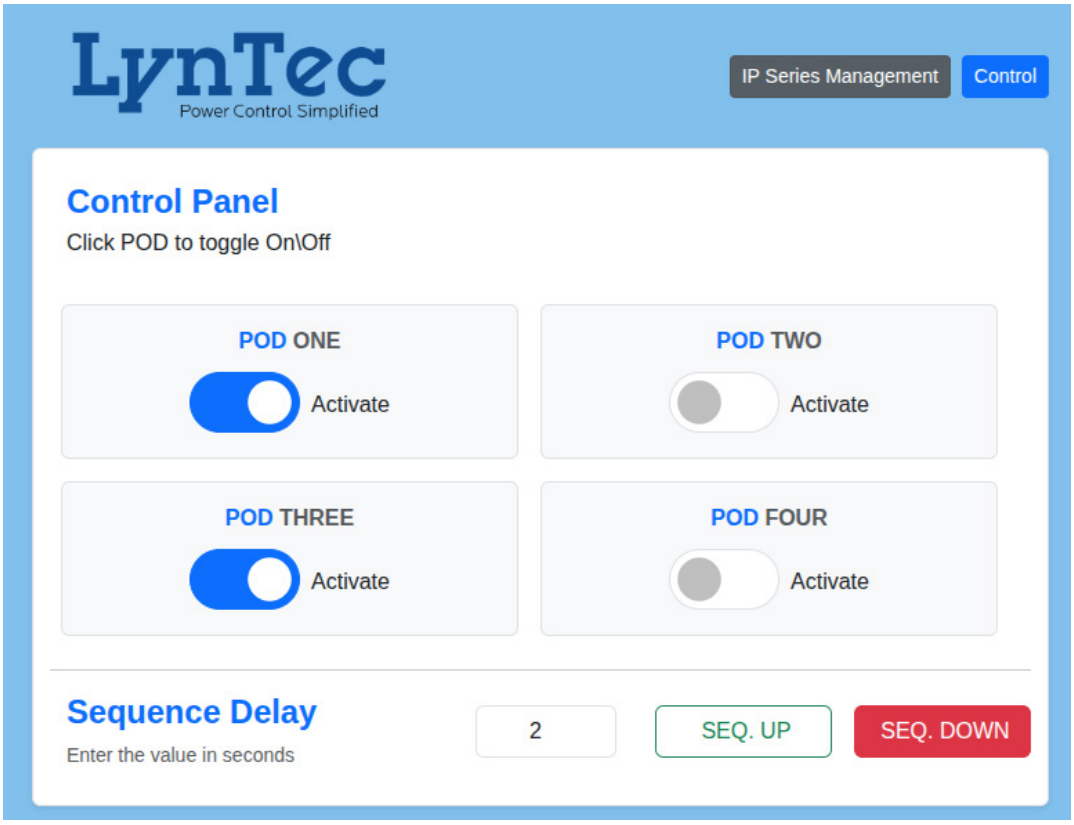
REMOTE CONTROL AND MONITORING

Using the On Board Web Server

TURNING POWER ON AND OFF - On the Control page, each of three PODs 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.

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 (1-2-3) and off (3-2-1) 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, but may be changed on the configuration page. 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 device - To access the device from outside your local network, your router or firewall must be configured to allow inbound connections to the unit. Consult your network administrator to set this up.



TELNET CONTROL AND MONITORING

DEVICE CONFIGURATION

Telnet Protocol

- Requires an active network connection.
- DHCP is enabled by default. Use the LynTec Locator App, your router, or a network scanner (such as nmap) to identify the device's IP address.
- If a DHCP server is not available, the unit defaults to 192.168.1.77.

Web Interface

- URL: http://192.168.1.77
- Login required for configuration:

  Username: admin
  Password: xrip

Telnet Access

- Login not required
- Default port: 33333
- Example command:

  telnet 192.168.1.77 33333

WEB CONFIGURATION

Navigate to IP Series Management to access the configuration interface. The Web GUI contains four configuration tabs:

Overview - Displays the device's current configuration and status.

Network Setup - Allows changes to network settings. Saving changes will cause the device to reboot.

User Setup - Allows changes to the admin and user login credentials. Both fields must be completed for changes to take effect. Saving changes will cause the device to reboot.

Configuration - Provides access to additional system settings. Changing POD Cycle or Telnet settings will cause the device to reboot.

TELNET CONFIGURATION

EXIT	End Session
RESTART	Reboot
INFOPOD	POD Settings
INFOSEQ	SEQ Settings
INFO	Shows Groups
DHCPON	Enable DHCP (default)
SIPCFG	Set static configuration (This disables DHCP)
ACTIVATE	Enable front Seq Switch (default)
DEACTIVATE	Disable front Seq Switch
FCTRESET	Sets to defaults and reboots

POD1ON	Turn on POD 1
POD2ON	Turn on POD 2 if present
POD3ON	Turn on POD 3 if present
POD4ON	Turn on POD 4 if present
POD1OFF	Turn off POD 1
POD2OFF	Turn off POD 2 if present
POD3OFF	Turn off POD 3 if present
POD4OFF	Turn off POD 4 if present
ALLON	All ON no delay
ALLOFF	All OFF no delay
SEQDEF(X)	Set Sequence Default (1-99 seconds)
SEQUP(X)	Sequence ON with X time
SEQDOWN(X)	Sequence OFF with X time
SEQUP	Sequence ON with Set time
SEQDOWN	Sequence OFF with Set time

TCP PROTOCOL GUIDE

TCP GET commands allow the device status to be read and PODs or system sequencing to be controlled. Status requests do not require login credentials. However, commands that change the state of the system require the user-level username and password to be included in the request.

Read Status

Device status can be retrieved from the status.xml file. Authentication is not required to access this file.

Examples:

curl http://10.104.7.47/status.xml
curl http://192.168.1.77/status.xml

Control PODs

Commands that control PODs require the user-level username and password to be included in the request.

To turn an individual POD on or off, use the following commands:

POD 1 ON: curl -u user:pw http://192.168.1.77/pod1.cgi?status=1

POD 1 OFF: curl -u user:pw http://192.168.1.77/pod1.cgi?status=0

The response to a single POD command will be a short XML message.

Sequencing

The “sequp” and “seqdown” commands are used to turn all circuits on or off sequentially. The number specified in the command defines the delay, in seconds, between each circuit.

Examples:

SEQUP: curl -u user:pw http://192.168.1.77/?sequp=2

SEQDOWN: curl -u user:pw http://192.168.1.77/?seqdown=2

Issuing a sequencing command triggers a page refresh response, so saving the response output is not recommended.

POWER LINE CONDITIONING

The iP1515-RX. iP1520-RX and iP50-RX feature a patented Hybrid Filter Technology to clean up and prevent both normal mode (line to neutral) and common mode (ground line) surges and interference. Many popular power conditioners, including “series mode” devices are less effective on normal mode and have almost no protection against common mode events.

Energy surges as great as 6,000 volts are reduced to a maximum of 10.0 volts between line and neutral and 0.50 volts on the ground line. The RX Series circuitry includes components that act as a low pass filter which reduces high frequency electromagnetic and radio frequency interference.

This unit also protects against external wiring faults. Relays in the RX prevent operation in conditions of incorrect hot, neutral or ground wiring or in the event of dangerously high voltage. If this unit is plugged into an outlet that is not properly wired—if hot, neutral and ground are not properly connecte—power will not pass to the receptacles. Therefore, a proper ground connection is required for this unit to operate. The same safety measure functions when incoming voltage exceeds 155 volts.

TROUBLESHOOTING

The Juice Goose iP series are 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 DEVICE WILL NOT POWER UP.

a. Check to see that main utility power is available.

b. Check that the circuit breaker on the iP device is not tripped.

c. Check the Network LED on the chassis. If it is not lit the iP device is probably not receiving power. Remove power from the iP device by unplugging it or turning off the circuit breaker that feeds the unit. Then restore power.

d. Check that utility power is not at fault; that hot, neutral and ground are connected and voltage is at an appropriate level near 120V.

THE iP DEVICE WILL NOT POWER DOWN.

a. It is likely that when a unit fails to turn off the cause is similar to that which would cause a unit to fail to turn on.

b. Follow steps outlined in the power up solution above.

I CANNOT CONNECT TO THE iP DEVICE VIA MY NETWORK.

Ensure your router has DHCP enabled (see your router's user manual to enable this feature). Use the LynTec Locator App (https://lyntec.com/lyntec-locator-app/) to find the IP address.

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

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.

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.

If you are trying to connect from a remote network ensure you are trying to access using the correct IP address 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 DEVICE 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 device and compare it to the amperage rating of the iP device in question. 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 device can be returned to it's default firmware values by pressing a clearly marked button on the iP device control board (see next page for photograph of board showing location of the factory reset button). This will also reset the IP to their default settings of IP: 192.168.1.77 and enable the DHCP feature. All models have a reset hole on the front of the chassis. Use a paperclip and activate the switch in this hole and hold for 10 seconds until the network LED (Red) goes out to reset these models.

WARNING: The iP device needs to be powered on to perform the factory reset. Be careful to only touch the factory reset button and ideally use a pencil to press it. There is a risk of shock if you touch anything else inside the iP device.

To perform the factory reset, unplug the iP device and remove the top chassis cover by removing all screws on the tops of each side of the chassis and lifting the top. Plug the iP device back in and press the "Reset" button and hold it for 10 seconds and being careful not to touch anything else inside the iP device. The network LED will be lit solid. When the LED goes out the reset is complete.

Unplug the iP device and replace the top and reinsert the screws. At this point, when power is returned to the unit and network connection restored the setup procedure can be followed as if the unit was being used for the first time. See the "Quickstart" and/or "Setup Detail" sections of this manual.

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.

UL Standard 508
File #3176209DEN-001

FOR MORE INFORMATION

LynTec & Juice Goose
800-724-4047
www.lyntec.com
www.juicegoose.com