



# Telos Alliance 2001-00599-000 iPort High Density Multi-Codec Gateway User Guide

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## Telos Alliance 2001-00599-000 iPort High Density Multi-Codec Gateway



Congratulations on your purchase of the Telos® iPort High Density Multi-Codec Gateway. This Quick Start Guide is designed to provide an overview of the hardware, walk you through the necessary steps to install and power up the unit, get it connected to your network, and introduce you to the web-based user interface.

## Registration

We know you're anxious to mount your new Telos iPort High Density and get it running, but please take a moment to register your product online to activate the warranty and ensure you will get quality support should you have questions regarding installation, operation, or troubleshooting. Visit <http://telosalliance.com/product->

[registration/](#) to register.

## Hardware Installation

The 1RU iPort High-Density hardware mounts in a standard 19-inch rack with supplied rack rails. The rear of the unit must be supported. To prevent damage, if the supplied rack rails are not used, a supporting shelf is recommended. Install iPort High Density in a location where cooling fan noise is not an issue.

**Important** – Please see the User Warnings and Cautions page at <https://docs.telosalliance.com/user-manual-safety-boilerplate> for important installation and electrical safety information.

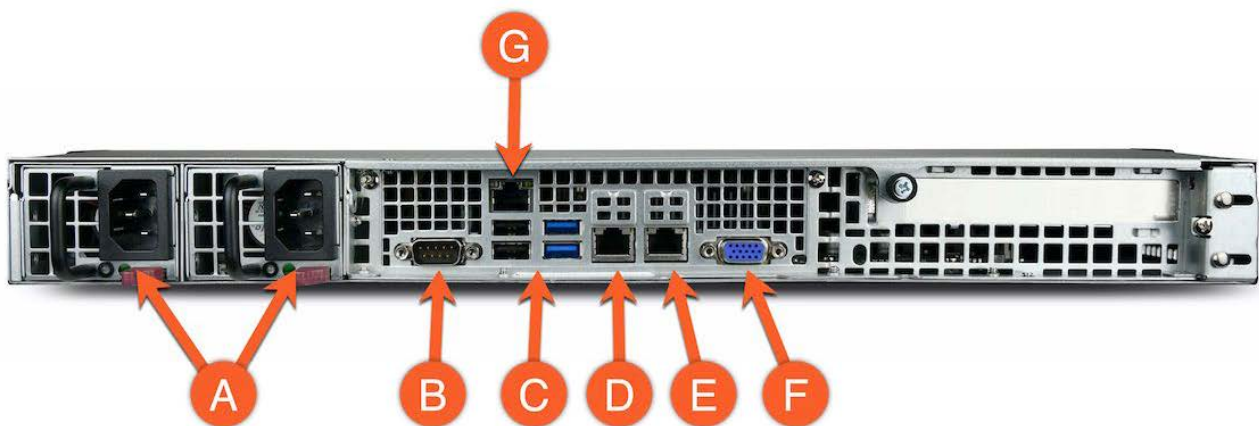
## Display

### Front Panel



The front panel gives basic status indications including power, SSD drive activity, and connectivity indicators for the NET 1 and NET 2 connections. There are no controls on the front panel. iPort High Density will power on automatically once connected to power.

### Rear Panel Connections



iPort High Density rear panel connections

- A. Power
- B. RS232 (Serial)
- C. USB Ports
- D. NET 1 (WAN)
- E. NET 2 (Livewire – LAN)
- F. VGA Connector
- G. Intelligent Platform Management Interface (IPMI)

**Note** – USB and VGA port connections may be required for the initial IP address configuration. A connection is not required for normal operation or configuration.

## Initial Configuration

### Power

Power is supplied by dual, redundant, internal, auto-ranging power supplies, 100-264 VAC, 50/60Hz, 100W max. These supplies are auto-switching and easily field-replaceable for maximum uptime. A green LED indicates a normal status. A red LED (or no light at all) indicates a fault.

**Note** – Using both power supplies – ideally fed from two different sources – is recommended for redundancy, but iPort High Density can operate on a single power supply. If only one power supply is connected, release the latch and remove the second power supply to prevent the alarm from sounding.

### Network

The Ethernet mode is set permanently to AUTO for both NICs, and so the switch or router to which they are connected must be as well. Problems can result if the router or switch is set to a fixed 10, 100, or 1000BT status. CAT-5e cables may be used for the Livewire connection, though we recommend CAT-6 when possible for all 1000BT (Gigabit) connections.

**Important** – The NET 2 (the Livewire LAN) connection requires a 1000BT full-duplex connection.

For the initial setup, you can connect iPort High Density to your switch or temporarily connect it directly to a PC using a standard Ethernet cable (a cross-over cable is not required).

iPort High Density ships with network addresses pre-set as follows. If this fits your network scheme, you can continue with the configuration via a web browser.

### WAN (NET 1)

- NET 1 has no configuration by default.

### LAN (NET 2) Livewire or AoIP Network

- IP Address (static): 192.168.2.100
- Subnet Mask: 255.255.255.0
- Gateway: Not offered on LAN interface
- DNS: Not offered on LAN interface

If the pre-configured address scheme does not meet your needs, you will need to use a local monitor and keyboard and follow the instructions in the Alternate Method for IP Addressing a section of the User Manual ([docs.telosalliance.com/telos-iport-hd](https://docs.telosalliance.com/telos-iport-hd)).

## Connecting to the Web Interface

iPort High Density can be remotely accessed from a web browser on any PC on the network.

1. Connect the iPort High Density to your network using NET 2.
2. From a computer connected to the same network, point your browser to the iPort by entering the unit's IP address (<http://192.168.2.100>).
3. When prompted, enter the user name "user".
4. The default password is blank (no password).

After login, the Home screen is displayed:

**Telos iPort High Density** iPort90999D

**System**

- Home
- Hardware Info
- Software
- License Management

**Status**

- V-Mix I/Os
- V-Modes I/Os

**Configuration**

- Codecs
- V-Mixer
- V-Mode
- AdIP and Options
- Network
- Backup & Restore

**Diagnostics**

- Stream Statistics
- Logging

**Help**

- User Manual

**iPort Status**

System Status: ERROR

Link 1 Status: OK

Link 2 Status: OK

Sync Mode: Livewire slave to: 192.168.2.114

Sync Status: OK

**iPort Info**

Host Name: iPort90999D

Livewire Port

IP Address: 192.168.2.100

MAC Address: ac:1f6b:90:99:9d

WAN Port

IP Address: 0.0.0.0

MAC Address: ac:1f6b:90:99:9c

Software Version: 3.1.0-1

**License Info**

APTX: Inactive

Content Delay: Inactive

Codec Slots: Active for 8 instances

Some iPort features require special licenses. If you have obtained a license, please proceed to the activation page. If you do not have one yet, please contact a Telos dealer. [\[Link\]](#) / [www.telosalliance.com/dealers](#)

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iPort High-Density Home screen

## Completing Network Configuration

From the left side menu, choose Network under the Configuration heading. The current settings for the Livewire (LAN) and WAN interfaces are displayed.

### Configuring the Livewire (LAN) Interface (1)

- Set the Network address
- Set the Netmask

**Note** that the Livewire interface does not require or support a Gateway or DNS.

### Configuring the WAN Interface (2)

- Set Network Address A
- Set Netmask A
- Set Gateway A
- Check the “Enable Configuration Access from WAN” if desired (3)
- Click “Apply”, then answer “Yes” to allow the system to restart

**Note** – Using the “B” network configuration is an advanced topic covered in detail in the User Manual. ([docs.telosalliance.com/telos-iport-hd/](https://docs.telosalliance.com/telos-iport-hd/)).

The screenshot displays a network configuration interface with two main sections: **Livewire interface** and **WAN interface**.

**Livewire interface configuration:**

- Network address: 192.168.2.100
- Netmask: 255.255.255.0
- MAC address: ac:1f:6b:90:99:9d

**WAN interface configuration:**

- Network address A: 0.0.0.0
- Netmask A: 255.0.0.0
- Gateway A (default): 0.0.0.0
- VLAN number for path A (Leave blank to disable tagging): (Untagged)
- Use Ethernet port: WAN [ac:1f:6b:90:99:9c]
- Enable redundant WAN path: ☐
- Network address B: 0.0.0.0
- Netmask B: 255.0.0.0
- Gateway B: 0.0.0.0
- VLAN number for path B (Leave blank to disable tagging): 0
- Use Ethernet port: WAN [ac:1f:6b:90:99:9c]
- Enable configuration access from WAN: ☐
- DNS Server: 0.0.0.0

Red arrows and numbers 1, 2, and 3 indicate the following steps:

1. Livewire interface
2. WAN interface
3. WAN configuration options

Livewire (LAN) and WAN interface configuration

## Adding Feature Licenses

iPort High Density comes with eight codecs pre-licensed. No additional steps are required if you did not purchase additional options.

To add additional licenses, please refer to the User Manual ([docs.telosalliance.com/telos-iport-hd/](https://docs.telosalliance.com/telos-iport-hd/)). Additional licenses may include additional codecs, aptX encoding options, or Content Delay features. Congratulations! You have completed the initial setup. Please proceed to the User Manual ([docs.telosalliance.com/telos-iport-hd/](https://docs.telosalliance.com/telos-iport-hd/)) for further instructions.

## Quick Links

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Documents / Resources

	<p><a href="#">Telos Alliance 2001-00599-000 iPort High Density Multi-Codec Gateway</a> [pdf] User Guide 2001-00599-000, iPort High Density Multi-Codec Gateway, 2001-00599-000 iPort High Density Multi-Codec Gateway, Density Multi-Codec Gateway, Multi-Codec Gateway, Gateway</p>
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