



OptConnect mylo dura M1 Multi Carrier Cellular Router User Guide

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OptConnect mylo dura M1 Multi Carrier Cellular Router



Product Information

Mylo dura is a compact 4G/5G Category M1 multi-carrier cellular router designed for industrial applications that require slower speed connectivity and redundant carrier connections. It includes Glimpse™, an on-board API that responds to requests from your equipment's software and tells you how the cellular connection is performing.

Mylo dura's small size allows it to fit almost anywhere, and OptConnect is the only provider that has Glimpse™.

Product Usage Instructions

Follow the below steps for a successful installation of mylo dura:

1. Identify mylo dura and its included accessories
2. Position the antenna by pointing it vertically downward, routing antenna cable away from antenna shaft.
Alternatively, you can position it horizontally.
3. Place mylo dura, connect antenna & power.
4. Maximize signal strength and quality by logging in to the OptConnect Summit portal at summit.optconnect.com, clicking Total Devices link, locating serial number on mylo dura, and clicking mylo dura's link to view Signal Strength in On Demand Info section. Adjust antenna position by an inch or two and repeat steps 5-6 until signal strength is maximized and signal quality is maximized. If it is not possible to maximize both signal strength and quality, maximize quality.
5. If you wish to initiate a remote connection to your equipment from your host, do not use DHCP. Go to Step 6 to set up a Static IP.
6. If you need to initiate a connection from your host to your equipment through mylo dura, configure your equipment for a Static IP with IP address 192.168.1.11, Subnet mask 255.255.255.0, Gateway 192.168.1.90, DNS server 1 192.168.1.90, and DNS server 2 8.8.8.8.
7. Connect ethernet cable and test by confirming your equipment's IP configuration, checking if your equipment is using a DHCP IP address, and repeating the test. Contact OptConnect Customer Care Center at 877.678.3343

x3 if you face any issues.

8. If you need to initiate a connection from your host to your equipment through mylo dura, identify remote access IP address and skip to Step 11.
9. If you need to initiate a connection from your host to your equipment through mylo dura, identify remote access port numbers and skip to Step 11.
10. Use the OptConnect Private Network for remote access.
11. Manage your OptConnect Device.

Welcome to mylo dura

mylo dura is a compact 4G/5G Category M1 multi-carrier cellular router perfectly suited for industrial applications that require slower speed connectivity and the peace of mind of redundant carrier connections. mylo dura's small size allows it to fit almost anywhere.

Every mylo dura comes with OptConnect managed wireless services and a lifetime license to Summit – the management system designed for your phone, tablet, or computer.

mylo dura also includes Glimpse™, and on board API that responds to requests from your equipment's software and tells your equipment how the cellular connection is performing. Only OptConnect has Glimpse™. Follow steps 1 through 11 for a successful installation.

Simple steps to Place, Plug & Play

1. Identify mylo dura and its included accessories
2. Position the antenna
3. Place mylo dura and connect antenna & power
4. Maximize signal strength and quality
5. Configure your equipment for DHCP
6. Configure your equipment for Static IP
7. Connect ethernet cable and test
8. Identify remote access IP address
9. Identify remote access port
10. Use the OptConnect Private Network for remote access
11. Manage your OptConnect Device

Identify mylo dura and its accessories



IMPORTANT

- Use only the included power adapter to maintain warranty coverage.
- The identifiers on the bottom of mylo are important.
- Your equipment's IP settings are critical. See the steps on the next pages.

Position the antenna

- Avoid placing the antenna inside equipment constructed entirely or mostly of metal
- Position the antenna's magnetic base on a metal surface
3- 5 inches from any edge – location on a metal surface can improve signal strength
- Orient the antenna
 1. Point vertically upward (best)
 2. Point vertically downward, routing antenna cable away from antenna shaft (next best)
 3. Point horizontally (least preferred)
- The position and orientation of the antenna can be optimized in Step 4

Place mylo dura, connect antenna & power³.

- Place mylo dura in your equipment
- Route antenna lead to mylo dura
- Connect the antenna lead to mylo dura and fully tighten
- Route power adapter's cord from power source to mylo dura
- Connect power cord to mylo dura – ensure the green LED next to the power port glows
- After 10-60 seconds, ensure the middle green LED glows or flashes

IMPORTANT – when mylo dura powers on the first time it may download a software update. This is indicated by a rapidly flashing middle green LED light for 1-2 minutes followed by the LED going dark while mylo dura reboots. You must allow this process to complete.

Maximize signal strength and quality

mylo dura may work well at this point. However, this step is strongly recommended to avoid potential future issues.

1. Log in to the OptConnect Summit portal at summit.optconnect.com
2. Click Total Devices link
3. Locate serial number on mylo dura and scroll to find it or type it in Search/Filter box and press Enter
4. Click mylo dura's link to view Signal Strength in On Demand Info section
5. Adjust antenna position by an inch or two
6. Click Refresh on Demand Info button – Important: mylo dura can take 15 seconds to update
7. Repeat steps 5-6 until signal strength is maximized and signal quality is maximized
8. If it is not possible to maximize both signal strength and quality, maximize quality
9. **Recommended:** enter your device's identifier and description

Configure your equipment for DHCP

If you wish to initiate a remote connection to your equipment from your host, do not use DHCP. Got to Step 6 to set up a Static IP.

- Set your equipment to obtain an IP address through DHCP

Optionally Configure your equipment for Static IP

Skip to step 7 if you do not need to initiate a connection from your host to your equipment through mylo dura

- Set your equipment as follows:
 - IP address 192.168.1.11
 - Subnet mask 255.255.255.0
 - Gateway 192.168.1.90
 - DNS server 1 192.168.1.90
 - DNS server 2 8.8.8.8
- If you have a second piece of equipment to which you need to initiate a connection from your host, configure it as above with an IP address of 192.168.1.12

Connect ethernet cable and test

- Connect the ethernet cable to your equipment and to mylo dura – ensure the amber LED next to the ethernet port glows or flashes
- Restart your equipment or cause it to refresh its network environment
- Perform a test with your equipment
- If the test fails
 1. Restart your equipment
 2. Confirm your equipment's IP configuration (see Step 5 or Step 6)
 3. If your equipment is using a DHCP IP address, confirm it has been issued one by mylo dura, ex. 192.168.1.115
 4. Repeat test
 5. Contact our OptConnect Customer Care Center at 877.678.3343 x3

Identify remote access IP address

Skip to step 11 if you do not need to initiate a connection from your host to your equipment through mylo dura

- Look up the IP address of your mylo dura in Summit or contact our Customer Care Center at 877.678.3343
- Ensure your equipment is configured for a static IP address (see Step 6)

Identify remote access ports numbers

Skip to Step 11 if you do not need to initiate a connection from your host to your equipment through mylo dura.

- mylo dura is configured for common remote access protocols such as https, RDP, vnc, ssh, GoToMyPC, etc. for two clients
- Learn your preferred protocol's TCP/IP port number from a manual or published resources, ex. https is port 443
- Prepend a digit to the protocol's port number to reach your equipment according to the table below where xxx is the port number on which your equipment will respond:
 - To reach your equip on port xxx Contact port
 - 192.168.1.11..... xxx
 - 192.168.1.12..... 2xxx
- **Ex:** directing your browser to <mylo dura IP address> : 2443 establishes an https session on port 443 with your equipment at IP address 192.168.1.12, the 2nd device in the table above
- mylo dura is pre-configured for remote access to two static IP clients as per the table above. Contact our Customer Care Center at 877.678.3343 for custom configurations.

Use the OptConnect Private Network for remote access

Skip to Step 11 if you do not need to initiate a connection from your host to your equipment through mylo dura. OptConnect cellular products, including mylo dura, operate on a private network to protect them and your equipment from attempted malicious access originating from the Internet.

Your computer, host system, or company's office network must use VPN credentials to be granted access to our private network and to remotely access your equipment.

If this mylo dura is your first OptConnect device, contact our Customer Care Center at 877.678.3343 to install our free software VPN client or to discuss other options.

If this mylo dura is part of a larger portfolio of OptConnect devices, your company is already using credentials to remotely access your equipment. You do not need to take any additional steps for remote access.

Manage your OptConnect Device

mylo dura includes a lifetime license to Summit to help you manage your cellular devices.

Log in at summit.optconnect.com or contact our Customer Care Center at 877.678.3343.


FAQ

- **How do I log in to mylo dura?**
 - There is no log in for mylo dura. OptConnect manages all aspects of mylo dura as part of our Managed Wireless Services.
- **How do I change mylo dura's IP address, firewall settings, etc.?**
 - Each mylo dura you receive is configured to your specifications before it arrives. mylo dura does not need to be configured on site unless your equipment/application requirements have changed. Contact our Customer Care Center at 877.678.3343 to adjust mylo dura's configuration.
- **How do I know if mylo dura is online?**
 - The middle green LED will flash or glow steadily when mylo dura is communicating with the cellular network. For more detailed performance and historical information see Summit at summit.optconnect.com or add Glimpse™ support to your equipment's software.
- **How do I get support?**
 - Contact our Customer Care Center at 877.678.3343

Let us show you why thousands of customers have made OptConnect the leading IoT managed services provider for headache-free cellular connectivity with award-winning products and top-rated customer service.

- [OptConnect.com](https://www.optconnect.com)
- 877.678.3343

Documents / Resources

<div>Quick Start Guide</div> <div></div>	<div>OptConnect mylo dura M1 Multi Carrier Cellular Router [pdf] User Guide</div> <div>mylo dura M1 Multi Carrier Cellular Router, mylo dura, M1 Multi Carrier Cellular Router, Carrier Cellular Router, Cellular Router</div>
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References

- [OptConnect | Cellular Connectivity Solutions](#)