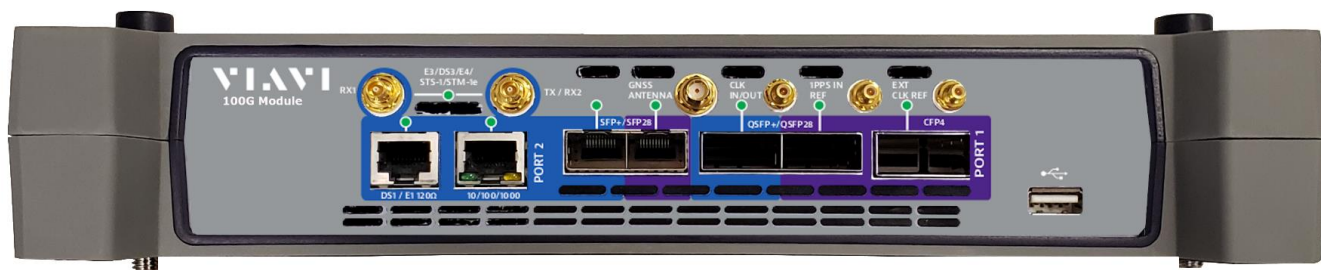


Viavi OneAdvisor ONA-1000 100G module Software Update Instructions



April 29, 2020

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Scope

The ONA-1000 platform base software includes software for the 400G module and supported Fiber Optics modules (OTDR, etc.). The 100G module, for the ONA-1000, has its own software and is upgraded separately. This procedure addresses upgrade to the software for the ONA-1000 100G module.

NOTE: The ONA 100G module is identified as a MAP-2100 on info and upgrade screens. This is normal. Navigation and upgrades, for the ONA 100G module, are controlled from the 100G module itself. It is important to make sure that you are on 100G module GUI when performing upgrades, regardless of the method chosen. The 100G module GUI is accessed, from the ONA base, by clicking on the 100G icon at top of the screen.


To upgrade the ONA-1000 base and 400G module, consult the “OneAdvsiior ONA-1000 400G software upgrade procedure”.

There are three methods to update ONA-1000 100G module software:

1. Network upgrade - Use this method to update your module via an Internet connection.
2. USB upgrade - Use this method to update your module with a USB thumb drive.
3. StrataSync upgrade - Use this method if your ONA is managed using Viavi’s StrataSync Asset Management system and you company has elected to deploy software via this method.













The ONA must be connected to AC Power, regardless of update method. Please note that network upgrades are NOT supported over WiFi.

1. Network Upgrade

<i>Step</i>	<i>Action</i>	<i>Details</i>
1.	Power On	Press and release the power button icon, on the 100G module GUI to power on the 100G module. NOTE: It is important that you are on the GUI of the 100G module and the ONA base. The 100G module is accessed, from the base ONA GUI, by clicking on the 100G icon at the top of the GUI.
2.	AC Power	Connect the AC power adapter to the power connector on the right side of the mainframe.
3.	LAN Connection	Connect the Ethernet Management Port, on the right side of the mainframe, to a network connection with internet access, using CAT 5E or better cable.
4.	System	Press the System icon,  , at the top of the 100G module screen, to display the System Menu. NOTE: It is important that you are on the GUI of the 100G module and not the ONA base. The 100G module is accessed, from the base ONA GUI, by clicking on the 100G icon at the top of the GUI.


System Tests Optical Switch 11:49 AM 04/30/2020

System MAP-2100 Version 27.2.1

 Files	 Removable Storage	 Network	 Fan	 Date and Time
 Region	 Remote	 Upgrade	 System Info	 StrataSync
 Web Browser	 Job Manager			



5. Network Settings

Press the Network icon,  , to display LAN Settings. Set **IP Mode** to “**DHCP**” for automatic IP address assignment or “**Static**” for manual input. If using a static address, be sure to configure the DNS server for an accurate address or the upgrade will fail to locate the upgrade server. Note: If you are using static addresses, ensure the IP address is not the same as ONA-1000 base IP address.

System Tests Optical Switch 12:04 PM 04/30/2020

System > Network MAP-2100 Version 27.2.1

LAN Proxy

IPv4

IP mode DHCP MAC address: 00:80:16:93:94:7A

IP address: 10.14.139.208 Subnet mask: 255.255.254.0


Gateway: 10.14.138.1 DNS server: 10.107.135.50

IPv6

IPv6 mode Disabled


VLAN

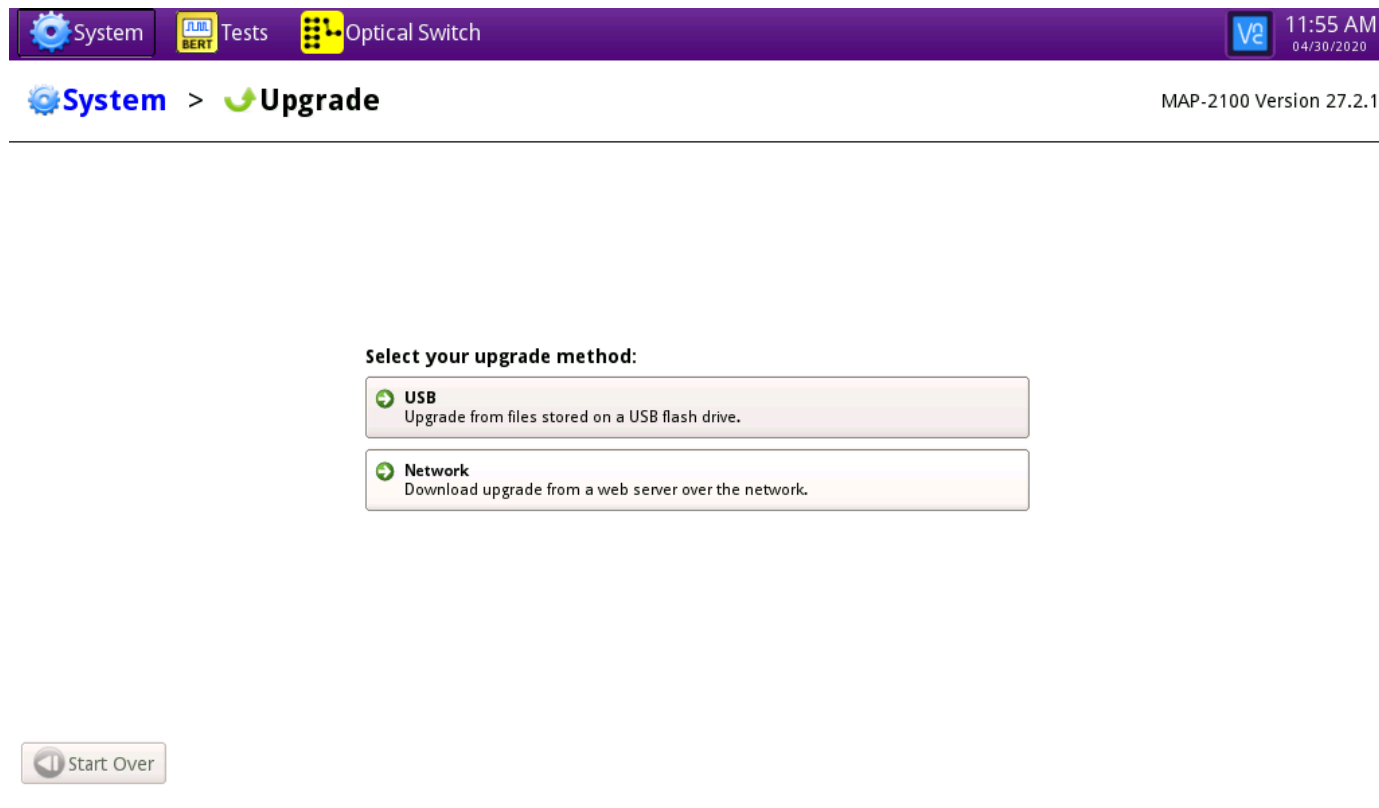
VLAN ID 100

After configuring LAN settings, press the System icon, , to redisplay the System Menu.



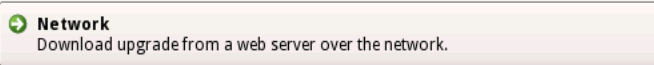
6. Upgrade

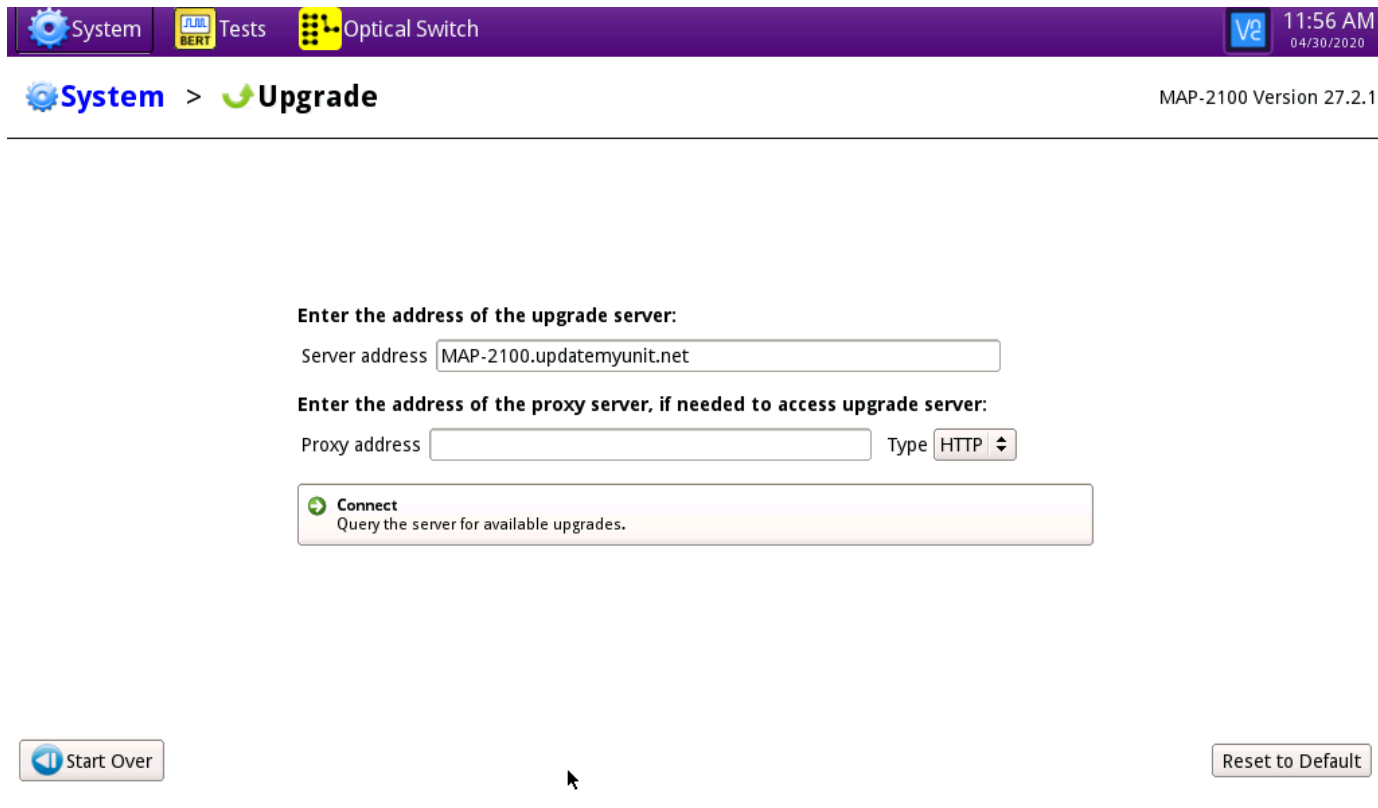
Press the Upgrade icon,  Upgrade, to display upgrade methods.



The screenshot displays the web interface for the MAP-2100 device. At the top, there is a purple navigation bar with icons for System, Tests, and Optical Switch. The System icon is selected. The current page title is "System > Upgrade". The main content area shows "Select your upgrade method:" with two options: "USB" (Upgrade from files stored on a USB flash drive.) and "Network" (Download upgrade from a web server over the network.). A "Start Over" button is located at the bottom left of the main content area. The top right corner shows the time "11:55 AM" and date "04/30/2020". The bottom right corner shows "MAP-2100 Version 27.2.1".


7. Network Upgrade

Press  to display upgrade settings. Press Reset to Default to ensure the server address name is correct.






The screenshot shows the 'System > Upgrade' page. At the top, there are navigation tabs for 'System', 'Tests', and 'Optical Switch', along with a 've' logo and the time '11:56 AM 04/30/2020'. The page title is 'MAP-2100 Version 27.2.1'. The main content area has the heading 'Enter the address of the upgrade server:' followed by a text input field containing 'MAP-2100.updatemyunit.net'. Below this is another heading 'Enter the address of the proxy server, if needed to access upgrade server:' with a text input field for 'Proxy address' and a dropdown menu for 'Type' set to 'HTTP'. A 'Connect' button is highlighted with a callout box that says 'Connect Query the server for available upgrades.' At the bottom of the page, there are 'Start Over' and 'Reset to Default' buttons.

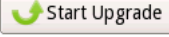
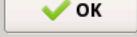
8. Connect

Press  to show the upgrade versions available at upgrademyunit.net.

System Tests Optical Switch 11:57 AM 04/30/2020

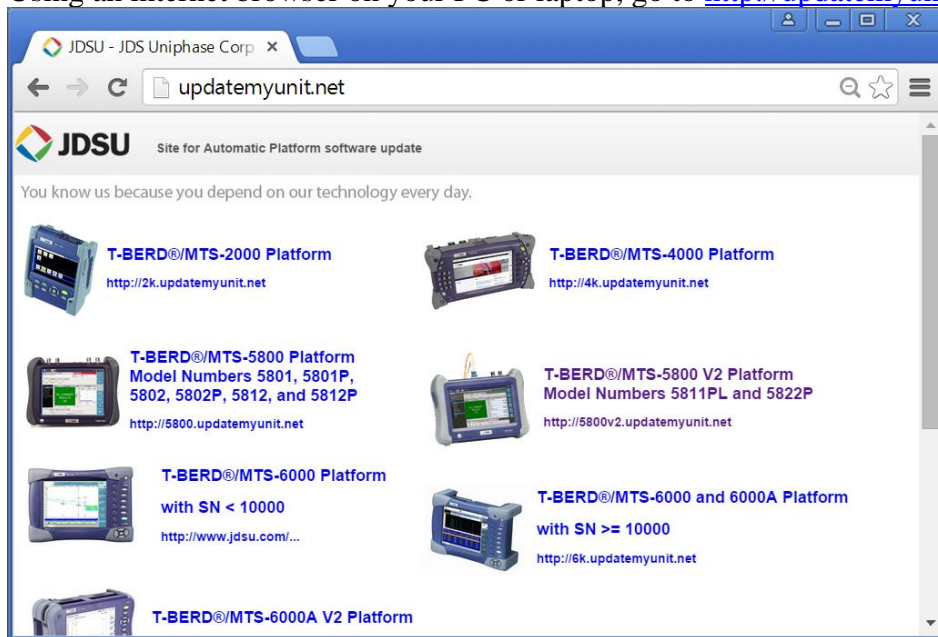
System > Upgrade MAP-2100 Version 27.2.1

Name	Upgrade Version	Date	Installed Version	Date
BERT	 28.0.1	01/13/2020	27.2.1	10/28/2019
Instrument Setup	 18.50	10/24/2019	18.50	10/24/2019
Fiber Optics	 18.50	10/24/2019	18.50	10/24/2019

9. Start Upgrade Press , and press  to initiate the upgrade.

2. USB Upgrade



Step	Action	Details
1.	Updatemyunit.net	Using an internet browser on your PC or laptop, go to http://updatemyunit.net/

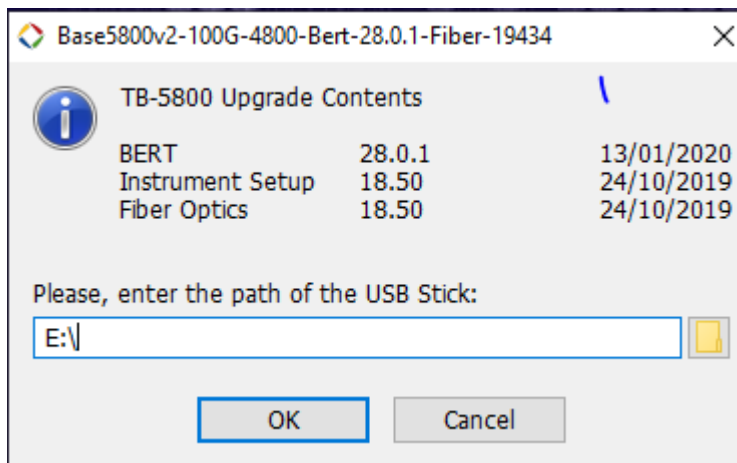


MAP 2100

<http://map-2100.updatemyunit.net>



2.	MAP-2100	Click on the  to display the MAP-2100 upgrade page.
3.	Download	Click on the icon for the desired server to start the download from that server. There are icons for three servers: EMEA, NORTH AMERICA or APAC server. For example, North America  . Click <input type="button" value="Save"/> to download the current software revision from that server, if prompted. Do NOT save the download directly to the USB stick. Save to your PC and wait for the download to complete.
4.	USB Stick	Insert a USB thumb drive into the USB port on your PC or laptop. An 8G or smaller USB is recommended.
5.	Extract	Open and run the downloaded file, enter the path of the USB stick, and press <input type="button" value="OK"/> to extract files.




6. Eject Once the extract has completed, safely eject the USB drive from your PC or Laptop.

7. Power on Press the power button on the ONA-1000 100G module to power the module on. It is important to ensure that you are on the GUI for the 100G module and not the ONA base. The 100G is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.


8. AC Power Connect the AC power adapter to the power connector on the right side of the ONA-1000 mainframe.

9. USB Connect the USB Thumb Drive to the USB port on the 100G module. Note: The USB must be connected to the USB of the 100G module and not the ONA-1000 mainframe.

10. System Press the System icon, , at the top of the start-up screen, to display the System Menu. Note: It is important to make sure you are on the GUI for the 100G module. The 100G module GUI is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.

The screenshot shows the 'System' menu in the MAP-2100 Version 27.2.1 interface. The menu is organized into three rows of icons. The first row contains Files, Removable Storage, Network, Fan, and Date and Time. The second row contains Region, Remote, Upgrade, System Info, and StrataSync. The third row contains Web Browser and Job Manager. A green arrow points to the Upgrade icon in the second row.


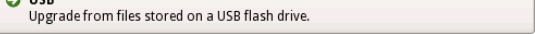


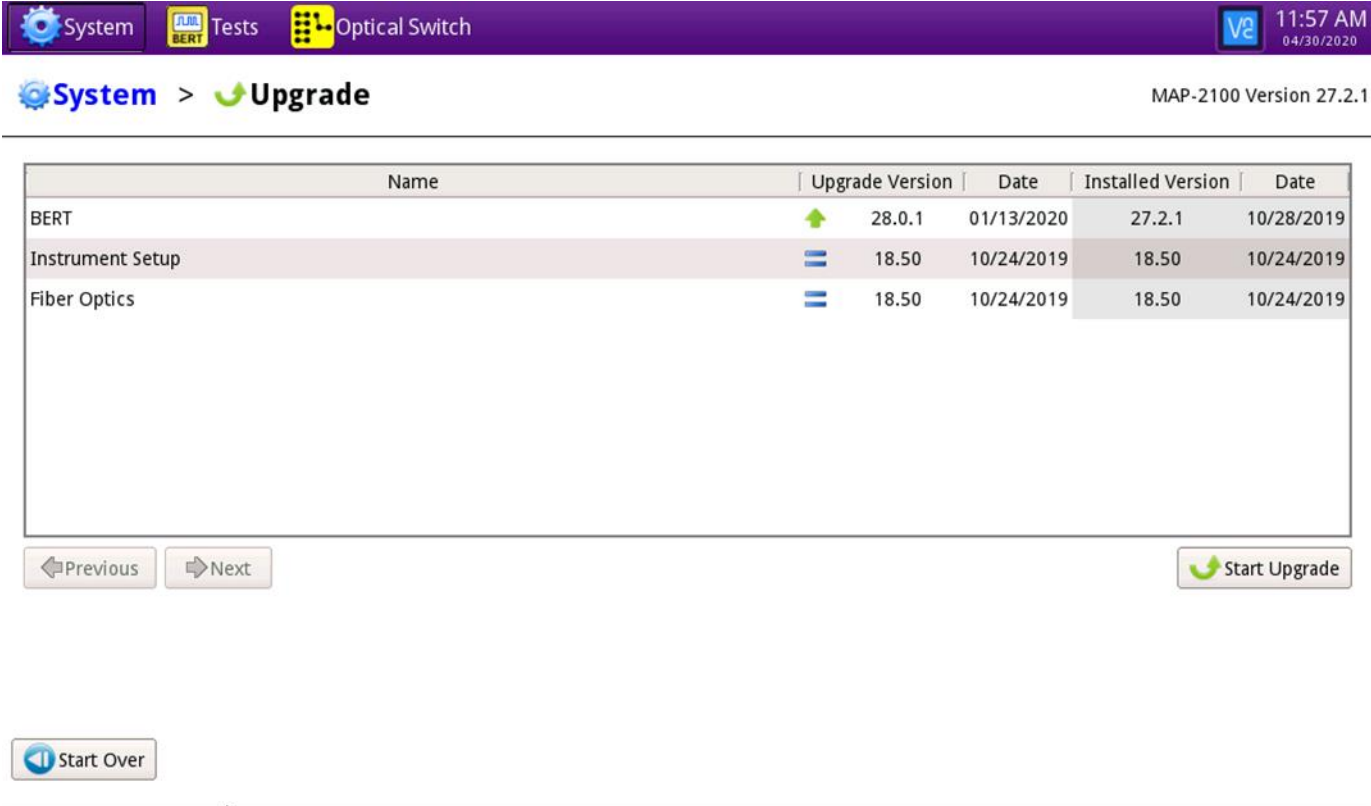
11. Upgrade Press the Upgrade icon,  , to display upgrade methods.




The screenshot shows the 'Upgrade' screen in the MAP-2100 Version 27.2.1 interface. The breadcrumb navigation shows 'System > Upgrade'. The main content area is titled 'Select your upgrade method:' and contains two selectable options:



- USB**: Upgrade from files stored on a USB flash drive.
- Network**: Download upgrade from a web server over the network.

A 'Start Over' button is located at the bottom left of the screen.


12. Select USB  Press  to display upgrade versions available on the USB stick.

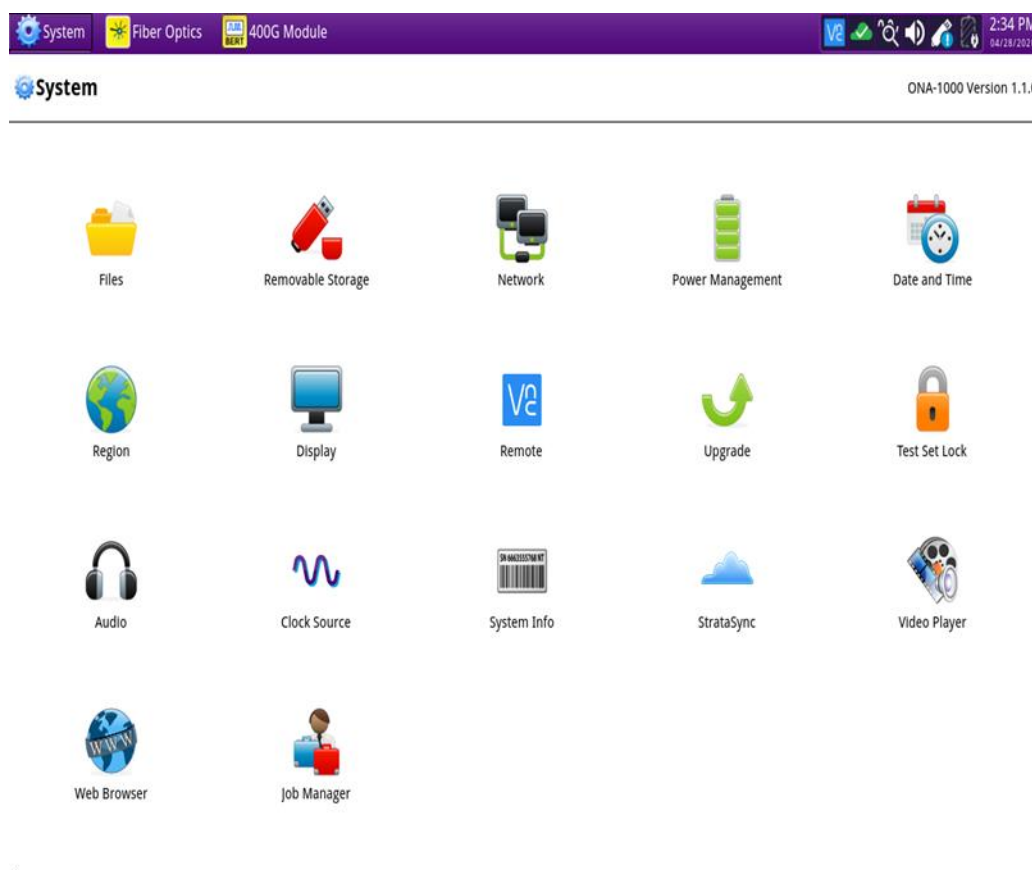


Name	Upgrade Version	Date	Installed Version	Date
BERT	 28.0.1	01/13/2020	27.2.1	10/28/2019
Instrument Setup	 18.50	10/24/2019	18.50	10/24/2019
Fiber Optics	 18.50	10/24/2019	18.50	10/24/2019


13. Start Upgrade Press . Press  to initiate the upgrade.

3. StrataSync

Step	Action	Details
1.	Power On	Press and hold the ON/OFF button to turn on the 100G module. NOTE: It is important to ensure that you are on the GUI for the 100G module. The 100G module GUI is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.
2.	AC Power	Connect the AC power adapter to the power connector on the right side of the ONA-1000.
3.	LAN Connection	Connect the Ethernet Management Port on the side of ONA-1000 to a network connection with internet access, using CAT 5E or better cable.
4.	System	Press the System icon,  , at the top of the start-up screen, to display the System Menu. NOTE: It is important to ensure that you are on the GUI for the 100G module. The 100G module GUI is accessed, from ONA base GUI, by clicking on the 100G icon at the top of the screen.





5. Network Settings Press the Network icon,  , to display LAN Settings. Set **IP Mode** to “**DHCP**” for automatic IP address assignment or “**Static**” for manual input.


If configuring a static address, be sure to include an accurate DNS address or the unit will fail to locate the StrataSync server. NOTE: If you are using static addresses, ensure that the 100G address is not the same as the ONA base IP address.

The screenshot displays the Network Settings page for a MAP-2100 device. The top navigation bar includes System, Tests, and Optical Switch. The main content area is titled 'System > Network' and shows the following configuration:

- IPv4:** IP mode is set to DHCP. IP address is 10.14.139.208, Gateway is 10.14.138.1, Subnet mask is 255.255.254.0, and DNS server is 10.107.135.50. The MAC address is 00:80:16:93:94:7A.
- IPv6:** IPv6 mode is set to Disabled.
- VLAN:** The checkbox for VLAN ID is checked, and the value 100 is entered in the adjacent text field.

After configuring LAN settings, press the System icon,  , to redisplay the System Menu.



6. StrataSync Press the StrataSync icon,  , to display StrataSync Settings. Ensure that **Account ID** and **Technician ID** match those for your StrataSync account.

System Tests Optical Switch 11:58 AM 04/30/2020

System > StrataSync MAP-2100 Version 27.2.1

Server address

Proxy server

Account ID

Technician ID

Failed to establish a connection. Check network configuration or account ID.

Configuration Report Option Upgrade

7. Sync

Press to sync your 100G module and initiate upgrades that have been assigned by your company's StrataSync Administrator.

Note: When viewing the 100G module, in Stratasync, the asset will appear as a MAP-2100 model. This is normal.