



WinTune™ User Manual

v1.4

January 19, 2026

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1. Introduction

The purpose of this manual is to present how to set up and use the WinTune™ coding system. The audience is assumed to have basic understanding of optical coding.

2. Revision History

Version	Author	Description	Dates
1.0	Haley Pierson	Initial release of the manual.	July 23, 2025
1.1	Haley Pierson	Temperature shutoff and real-time monitoring information.	August 4, 2025
1.2	Haley Pierson	Symbol definitions and software updates.	August 18, 2025
1.3	Haley Pierson	Auto-replay, tuning, additional screenshots, and online vs. offline functionality.	November 13, 2025
1.4	Haley Pierson	Fixed tuning.	January 19, 2026

1. Release Notes

- Version 1.0 - Initial release of the manual.
- Version 1.1 – Added a screenshot and note about temperature shutoff in the event of overheating. Added a screenshot and note about real-time monitoring – what the color-coding means and how to avoid a red Rx.
- Version 1.2 - Added sections for symbol definitions and how to update the software.
- Version 1.3 – Added auto-replay, tuning, additional screenshots, and online vs. offline functionality information.
- Version 1.4 – Added fixed tuning.

3. What is WinTune™?

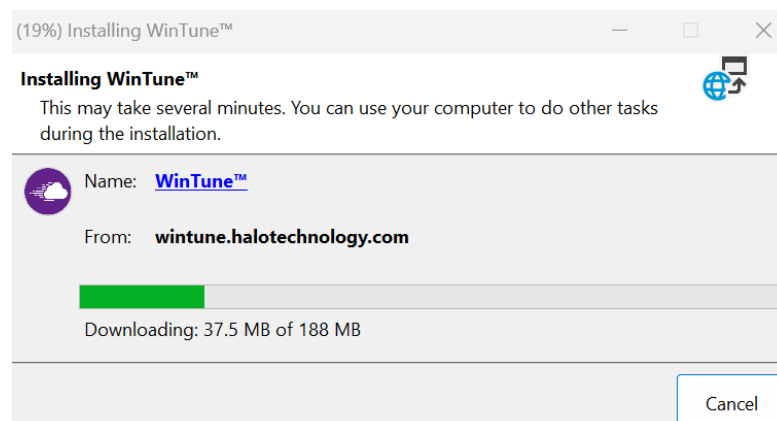
- The WinTune™ coding system offers users a high-availability, cloud-based application to support nearly any network device in their network through access to our vast programming code library of over 90 OEMs and thousands of transceiver SKUs. The WinTune™ appliance currently accepts SFP/SFP+/SFP28, XFP, QSFP+/QSFP28, and QSFP-DD transceiver form factors. WinTune™ is hosted in a secure, critical uptime cloud environment and offers superior functionality and value-added diagnostics. With one-step programming, users simply select the desired programming option from the drop-down menu and click. Additionally, WinTune™ enables portability between the office and the field with an included padded carry case, appliance, and USB-C cable. For ease of use, WinTune™ enables operation through Windows, avoiding the need for Java.

4. Equipment Needed

- Programming box
- Software
- USB-C cable
- Transceiver

5. Installation

1. Navigate to the WinTune™ download page:
<https://wintune.halotechnology.com/ClickOnce/download.html>.
2. Click “install.” This will download “Setup.exe” to your downloads folder.
3. Navigate to your downloads folder and click “Setup.exe.”



4. When the installation is finished, WinTune™ will automatically launch and will place a WinTune™ executable on your desktop.
5. Launch WinTune™ by double-clicking the WinTune™ icon on your desktop or by searching for WinTune™ from the Windows search bar.



6. Symbol Definitions



The symbols above are defined from left to right. Green indicates normal operation. Red indicates an error of some kind.

1. Internet status.
2. Auto-reconnect functionality.
3. Box connection.
 - a. The programming box's serial number can be found by hovering over the plug symbol.
4. API status for authentication.
5. Port status – transceiver present or missing.
6. Auto-replay.
7. Launch support.

7. Recoding a Transceiver

Once the WinTune™ software is installed, follow the steps below to recode a transceiver.

1. Plug the included USB-C cable into your computer and the WinTune™ box.
2. Open the WinTune™ software.

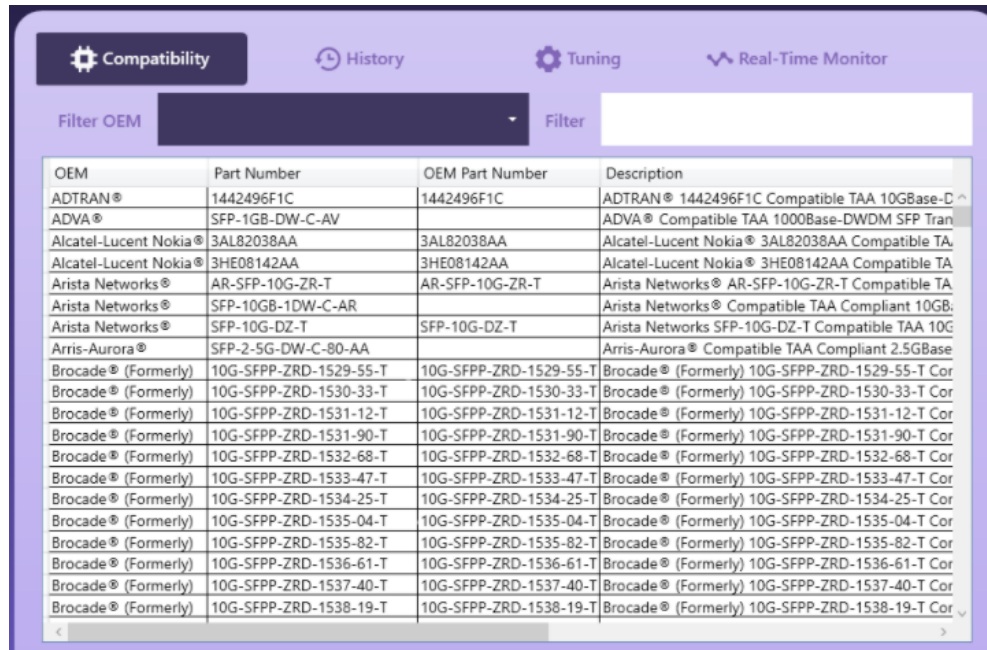
3. Your WinTune™ system should present the following view. The red icon at the top of the screen indicates that no transceiver is present in the WinTune™ device.

The screenshot shows the WinTune™ software interface. On the left, there are system metrics: 25.1 °C, 3.3 V, 57.4 mA, -0.2 dBm, and 99.9 dBm. The central panel displays 'Current Compatibility' information for a transceiver, including Part Number (SFP+-DWDM-80-CA), Serial Number (300N39G241), Vendor Name (CISCO), Form Factor (SFP), and Description (Cisco and Alcatel-Lucent Compatible TAA Compliant 10GBase-DWDM SFP + Transceiver (SMF, Tunable, 80km, LC)). A 'Laser' toggle is visible at the bottom. The right panel shows a 'Compatibility' tab with a table of compatible transceivers.

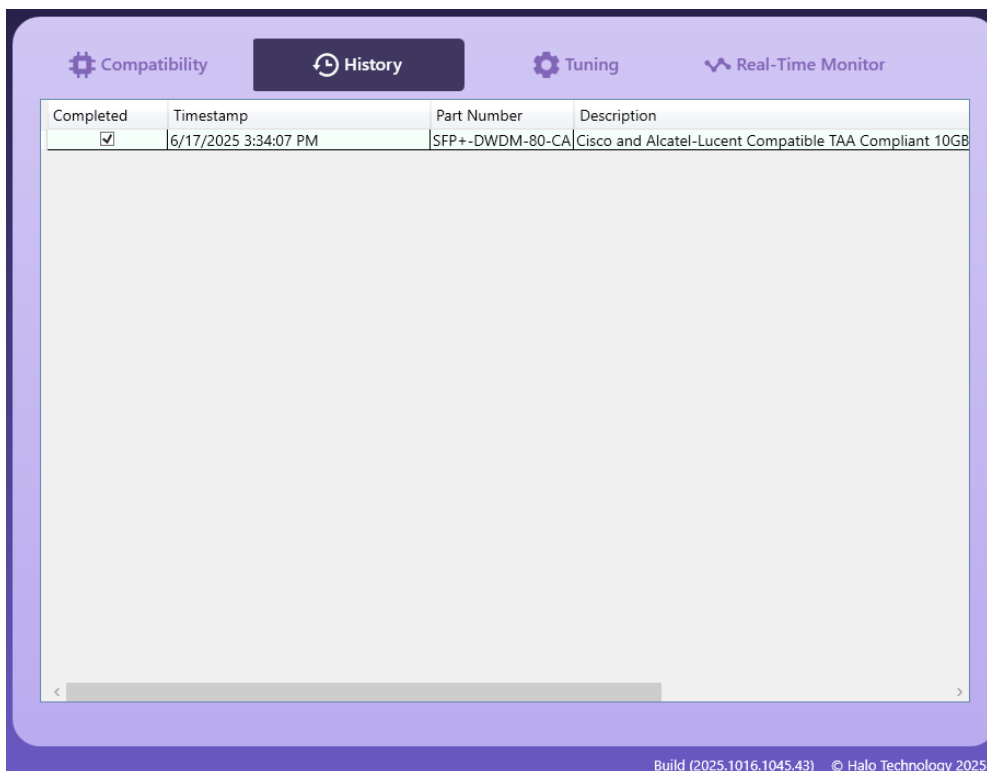
OEM	Part Number	OEM Part Number	Description
ADTRAN®	1442496F1C	1442496F1C	ADTRAN® 1442496F1C Compatible TAA 10GBase-D
ADVA®	SFP-1GB-DW-C-AV		ADVA® Compatible TAA 1000Base-DWDM SFP Tran
Alcatel-Lucent Nokia®	3AL82038AA	3AL82038AA	Alcatel-Lucent Nokia® 3AL82038AA Compatible TA
Alcatel-Lucent Nokia®	3HE08142AA	3HE08142AA	Alcatel-Lucent Nokia® 3HE08142AA Compatible TA
Arista Networks®	AR-SFP-10G-ZR-T	AR-SFP-10G-ZR-T	Arista Networks® AR-SFP-10G-ZR-T Compatible TA
Arista Networks®	SFP-10GB-10W-C-AR		Arista Networks® Compatible TAA Compliant 10GB
Arista Networks®	SFP-10G-DZ-T	SFP-10G-DZ-T	Arista Networks SFP-10G-DZ-T Compatible TAA 10G
Arris-Aurora®	SFP-2-5G-DW-C-80-AA		Arris-Aurora® Compatible TAA Compliant 2.5GBase
Brocade® (Formerly)	10G-SFP-ZRD-1529-55-T	10G-SFP-ZRD-1529-55-T	Brocade® (Formerly) 10G-SFP-ZRD-1529-55-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1530-33-T	10G-SFP-ZRD-1530-33-T	Brocade® (Formerly) 10G-SFP-ZRD-1530-33-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1531-12-T	10G-SFP-ZRD-1531-12-T	Brocade® (Formerly) 10G-SFP-ZRD-1531-12-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1531-90-T	10G-SFP-ZRD-1531-90-T	Brocade® (Formerly) 10G-SFP-ZRD-1531-90-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1532-68-T	10G-SFP-ZRD-1532-68-T	Brocade® (Formerly) 10G-SFP-ZRD-1532-68-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1533-47-T	10G-SFP-ZRD-1533-47-T	Brocade® (Formerly) 10G-SFP-ZRD-1533-47-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1534-25-T	10G-SFP-ZRD-1534-25-T	Brocade® (Formerly) 10G-SFP-ZRD-1534-25-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1535-04-T	10G-SFP-ZRD-1535-04-T	Brocade® (Formerly) 10G-SFP-ZRD-1535-04-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1535-82-T	10G-SFP-ZRD-1535-82-T	Brocade® (Formerly) 10G-SFP-ZRD-1535-82-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1536-61-T	10G-SFP-ZRD-1536-61-T	Brocade® (Formerly) 10G-SFP-ZRD-1536-61-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1537-40-T	10G-SFP-ZRD-1537-40-T	Brocade® (Formerly) 10G-SFP-ZRD-1537-40-T Cor
Brocade® (Formerly)	10G-SFP-ZRD-1538-19-T	10G-SFP-ZRD-1538-19-T	Brocade® (Formerly) 10G-SFP-ZRD-1538-19-T Cor

4. Plug your transceiver into the WinTune™ device. A SFP transceiver has been used for this user manual.
5. The WinTune™ software will present the following view. The icon indicates that a transceiver is present in the device.
6. The icon will take you to our technical support web page.
7. The “Laser” on and off toggle can be adjusted by the user.

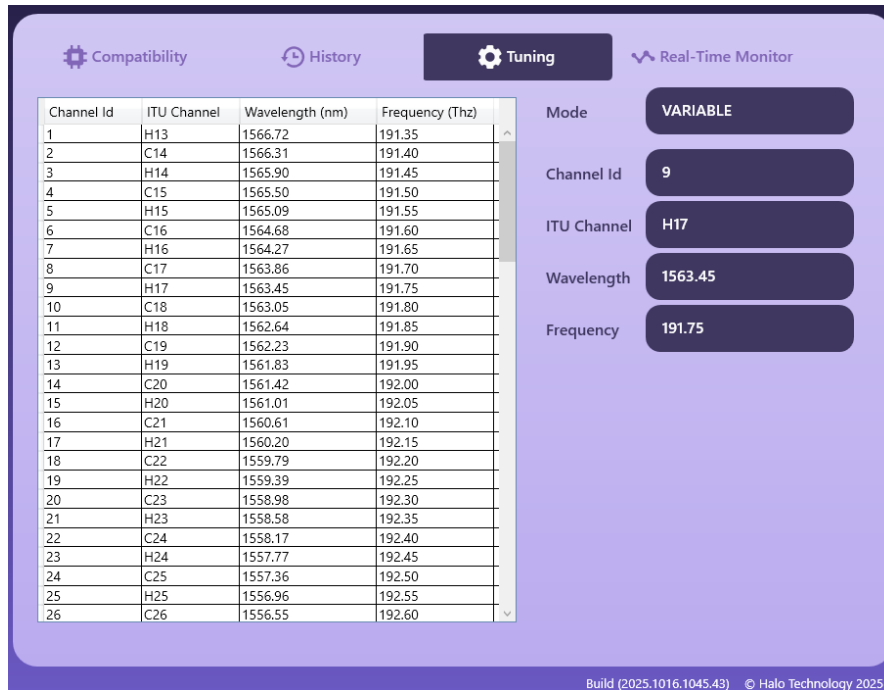
- The “Compatibility” screen features a drop-down OEM filter menu and an additional filter you can type criterion into to assist with selecting your required code.



- The “History” screen records compatibility selections for quick reference.



10. The “Tuning” screen lists all available channels that the inserted transceiver (if it is a tunable module) can be tuned to.

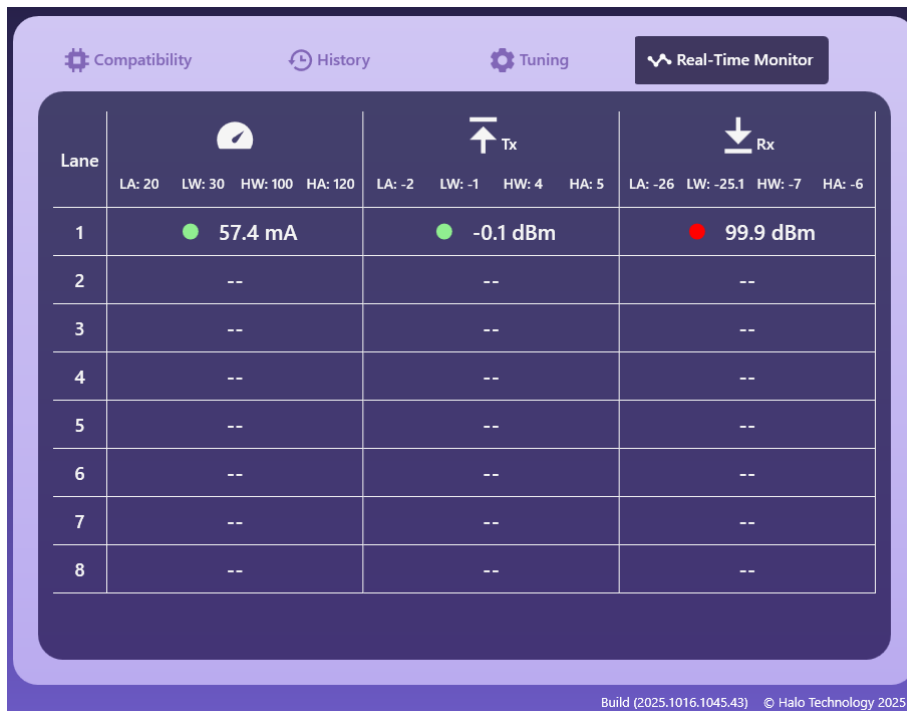


Channel Id	ITU Channel	Wavelength (nm)	Frequency (Thz)
1	H13	1566.72	191.35
2	C14	1566.31	191.40
3	H14	1565.90	191.45
4	C15	1565.50	191.50
5	H15	1565.09	191.55
6	C16	1564.68	191.60
7	H16	1564.27	191.65
8	C17	1563.86	191.70
9	H17	1563.45	191.75
10	C18	1563.05	191.80
11	H18	1562.64	191.85
12	C19	1562.23	191.90
13	H19	1561.83	191.95
14	C20	1561.42	192.00
15	H20	1561.01	192.05
16	C21	1560.61	192.10
17	H21	1560.20	192.15
18	C22	1559.79	192.20
19	H22	1559.39	192.25
20	C23	1558.98	192.30
21	H23	1558.58	192.35
22	C24	1558.17	192.40
23	H24	1557.77	192.45
24	C25	1557.36	192.50
25	H25	1556.96	192.55
26	C26	1556.55	192.60

Mode: VARIABLE
Channel Id: 9
ITU Channel: H17
Wavelength: 1563.45
Frequency: 191.75

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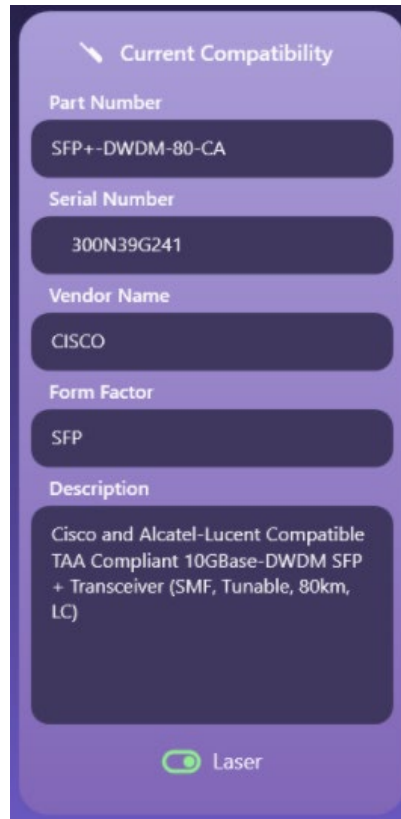
11. The “Real-Time Monitor” screen provides real-time diagnostic data per lane.



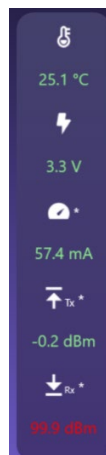
Lane	LA: 20	LW: 30	HW: 100	HA: 120	Tx: -0.1 dBm	Rx: 99.9 dBm
1	LA: 20	LW: 30	HW: 100	HA: 120	-0.1 dBm	99.9 dBm
2	--	--	--	--	--	--
3	--	--	--	--	--	--
4	--	--	--	--	--	--
5	--	--	--	--	--	--
6	--	--	--	--	--	--
7	--	--	--	--	--	--
8	--	--	--	--	--	--

Build (2025.1016.1045.43) © Halo Technology 2025

12. The “Current Compatibility” column identifies the current part number, serial number, vendor name, form factor, and description of the inserted device.

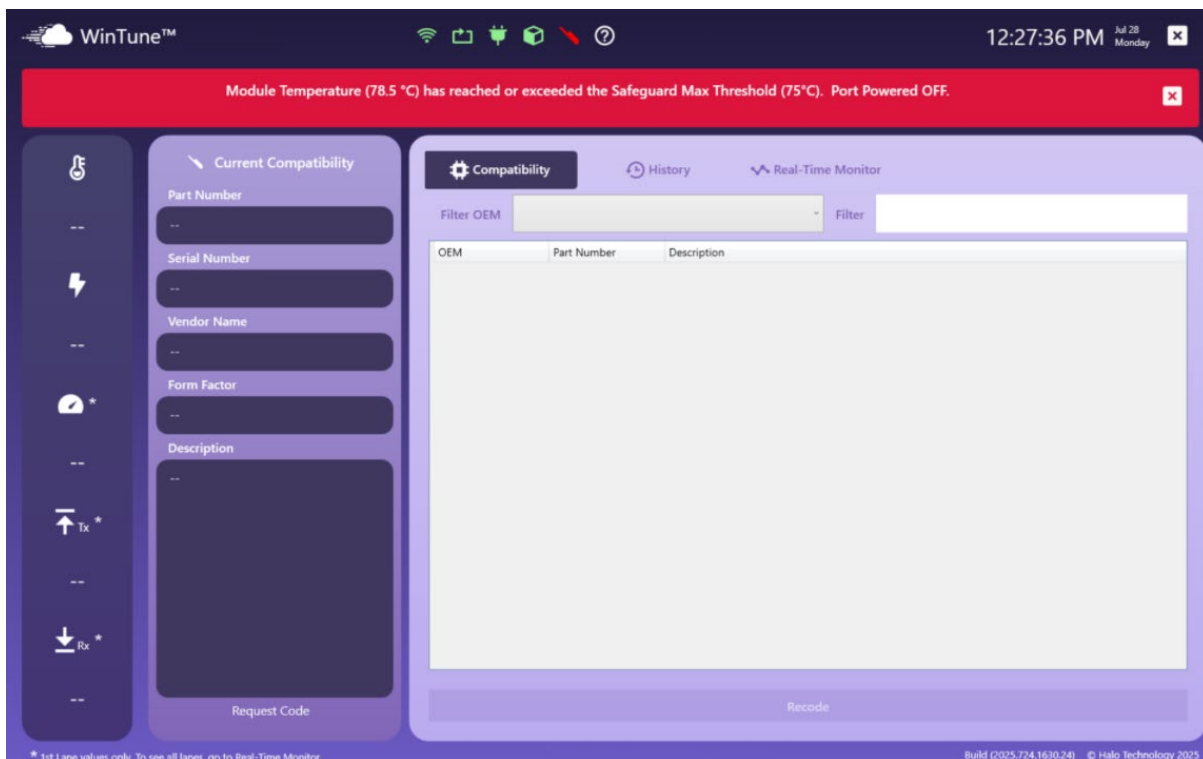


13. The column on the left of the window provides real-time monitoring data for the first lane (Tx and Rx) of the transceiver alongside the current, power supply voltage, and operating temperature for select modules. Values in green mean that the value is within all warning and alarm thresholds. Orange indicates that the value is outside of the warning thresholds. Red indicates that the value is outside of the alarm thresholds. Please note that, for the Rx value to not be red, the laser would need to be on with a loopback inserted.

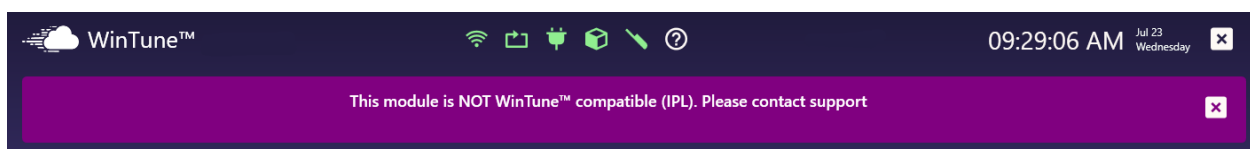


Green (within Alarms and Warnings)				
Low Alarm	Low Warning	ModuleRead	High Warning	High Alarm
Orange (within Alarms but outside Warnings) Two possible scenarios				
Low Alarm	ModuleRead	Low Warning	High Warning	High Alarm
Low Alarm	Low Warning	High Warning	ModuleRead	High Alarm
Red (outside Alarms so therefore also outside Warnings) Two possible scenarios				
ModuleRead	Low Alarm	Low Warning	High Warning	High Alarm
Low Alarm	Low Warning	High Warning	High Alarm	ModuleRead

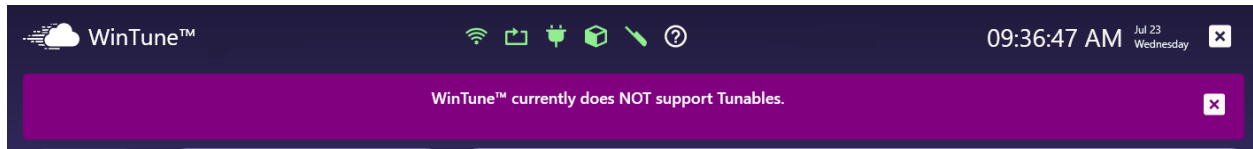
14. If the module's temperature exceeds the Safeguard Maximum Threshold (75°C), the port will be powered off.



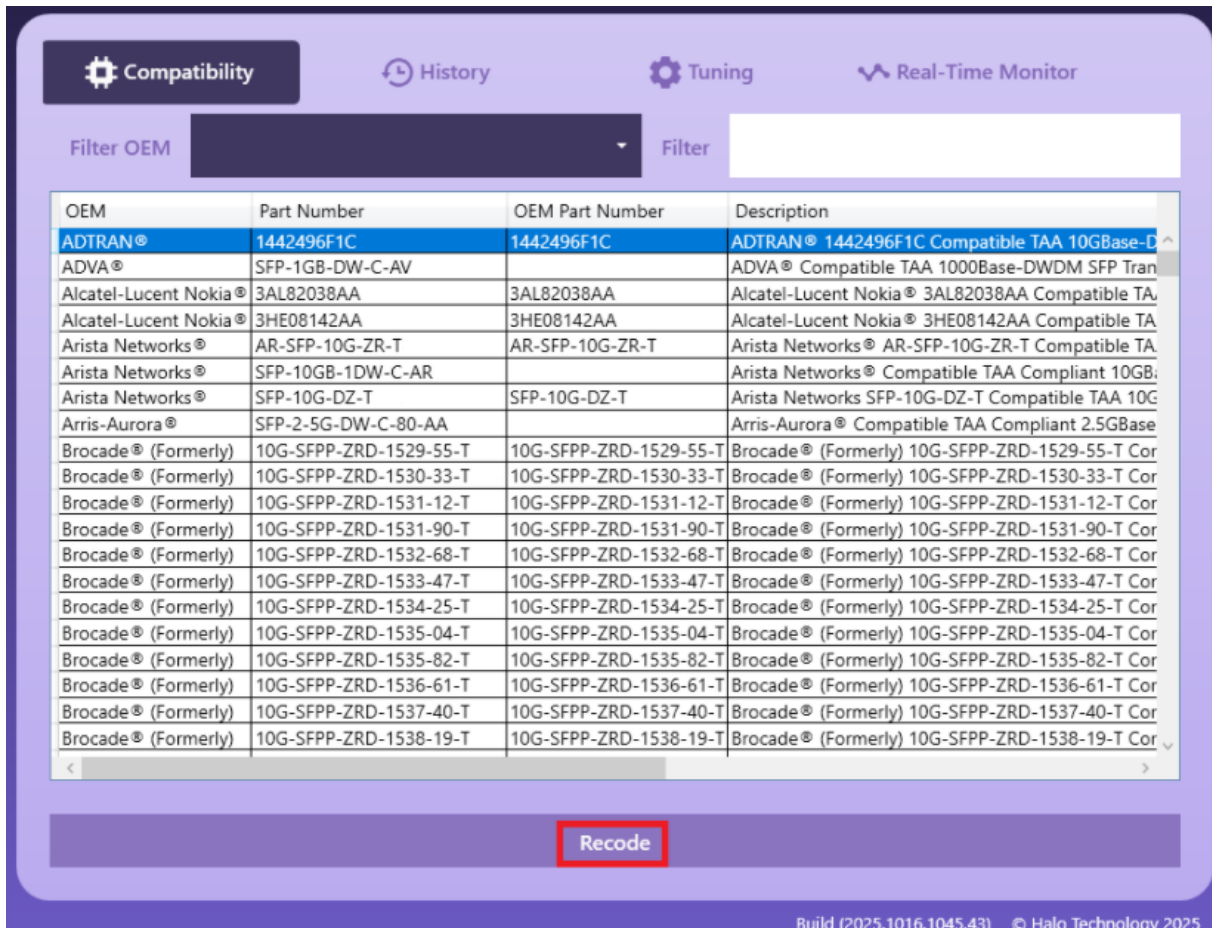
15. Please ensure that you are inserted a genuine Halo optic. If you do not, this message will pop up.



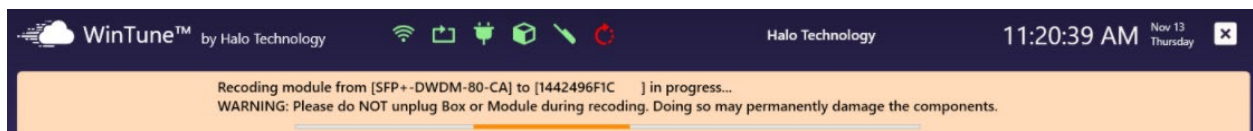
16. Please note that, at this time, WinTune™ does not support optical tuning. If a tunable transceiver is inserted into the device, this message will pop up.



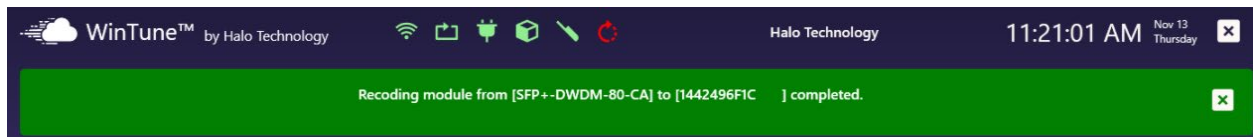
17. To recode a transceiver, select the part number you'd like to recode the transceiver to and click "Recode."



18. While WinTune™ is recoding the transceiver, this message will pop up:



19. Once the transceiver has been successfully recoded, you will see this message:



20. The “Current Compatibility” column will now display information for the chosen compatibility.



21. For further information or troubleshooting assistance, please contact your sales representative and technical support.

8. Multiple Module Recoding (Auto-Replay)

Transceiver recoding can be replayed on additional transceivers using the “Replay” feature. By default, WinTune™ does not have the “Replay” feature enabled. Users will need to enable this feature following the steps below. Please note that auto-replay functionality is only available for recoding at this time. **Auto-replay functionality for tuning is in development.**

1. The “Replay” icon will be red while the feature is disabled during standard recoding.

WinTune™

11:27:44 AM Oct 21 Tuesday

Replay is Disabled/OFF

Current Compatibility

Part Number: SFPPLR31-10-I-AR

Serial Number: PR21D6256316

Vendor Name: Arista Networks

Form Factor: SFP

Description: Arista Networks® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)

Request Code Laser

Compatibility History Real-Time Monitor

OEM	Part Number	OEM Part Number	Description
Alcatel-Lucent Nokia®	CHT-SFPPLR31-10-I-N1	3FE62600AA	Alcatel-Lucent Nokia® 3FE62600AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N	3HE09327AA	Alcatel-Lucent Nokia® 3HE09327AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N1	3FE62600AA	Alcatel-Lucent Nokia® 3FE62600AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N2	1AB390930002	Alcatel-Lucent Nokia® 1AB390930002 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N2	1AB390930013	Alcatel-Lucent Nokia® 1AB390930013 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Arista Networks®	SFPPLR31-10-I-AR	SFP-10G-LR-I	Arista Networks® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Calix®	SFPPLR31-10-I-CX	100-01512	Calix® 100-01512 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Ciena®	SFPPLR31-10I-CN2	XCVR-S10V31	Ciena® XCVR-S10V31 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Cisco®	SFPPLR31-10-I-C	SFP-10G-LR-I	Cisco® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Cisco® & Juniper Networks®	SFPPLR31-10-I-CJ		Cisco and Juniper Networks Compatible TAA Compliant 10GbE SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Intel®	SFPPLR31-10-I-IN	E10GSFPLR-I	Intel® E10GSFPLR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Juniper Networks®	SFPPLR31-10-I-J	EX-SFP-10GE-LR-I	Juniper Networks® EX-SFP-10GE-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
LG-Ericsson®	SFPPLR31-10-I-EN	RDH10265/32	LG-Ericsson® RDH10265/32 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
MSA Compliant	SFPPLR31-10-I		MSA and TAA Compliant 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
MSA Compliant	SFPPLR31-20-I		MSA and TAA Compliant 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)

* 1st Lane values only. To see all lanes, go to Real-Time Monitor.

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2. “Replay” is enabled by clicking on the icon which should then turn green.



WinTune™

11:27:57 AM Oct 21 Tuesday

Replay is ON

Current Compatibility

Part Number: SFPPLR31-10-I-AR

Serial Number: PR21D6256316

Vendor Name: Arista Networks

Form Factor: SFP

Description: Arista Networks® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)

Request Code Laser

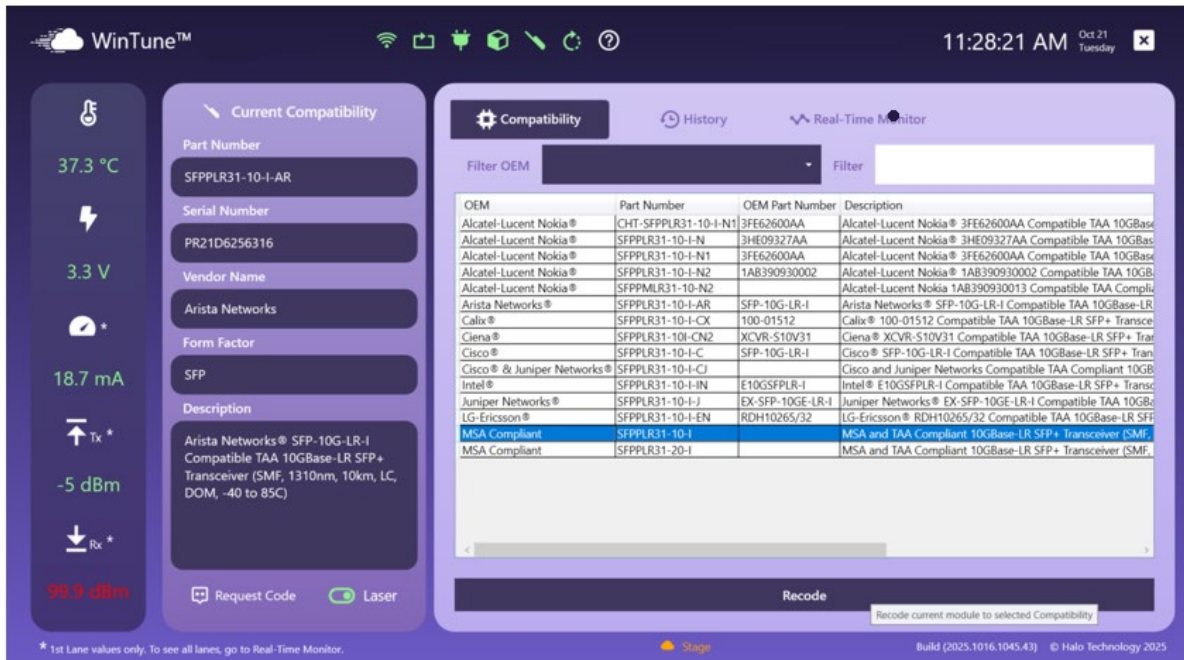
Compatibility History Real-Time Monitor

OEM	Part Number	OEM Part Number	Description
Alcatel-Lucent Nokia®	CHT-SFPPLR31-10-I-N1	3FE62600AA	Alcatel-Lucent Nokia® 3FE62600AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N	3HE09327AA	Alcatel-Lucent Nokia® 3HE09327AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N1	3FE62600AA	Alcatel-Lucent Nokia® 3FE62600AA Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N2	1AB390930002	Alcatel-Lucent Nokia® 1AB390930002 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Alcatel-Lucent Nokia®	SFPPLR31-10-I-N2	1AB390930013	Alcatel-Lucent Nokia® 1AB390930013 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Arista Networks®	SFPPLR31-10-I-AR	SFP-10G-LR-I	Arista Networks® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Calix®	SFPPLR31-10-I-CX	100-01512	Calix® 100-01512 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Ciena®	SFPPLR31-10I-CN2	XCVR-S10V31	Ciena® XCVR-S10V31 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Cisco®	SFPPLR31-10-I-C	SFP-10G-LR-I	Cisco® SFP-10G-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Cisco® & Juniper Networks®	SFPPLR31-10-I-CJ		Cisco and Juniper Networks Compatible TAA Compliant 10GbE SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Intel®	SFPPLR31-10-I-IN	E10GSFPLR-I	Intel® E10GSFPLR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
Juniper Networks®	SFPPLR31-10-I-J	EX-SFP-10GE-LR-I	Juniper Networks® EX-SFP-10GE-LR-I Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
LG-Ericsson®	SFPPLR31-10-I-EN	RDH10265/32	LG-Ericsson® RDH10265/32 Compatible TAA 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
MSA Compliant	SFPPLR31-10-I		MSA and TAA Compliant 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)
MSA Compliant	SFPPLR31-20-I		MSA and TAA Compliant 10GBase-LR SFP+ Transceiver (SMF, 1310nm, 10km, LC, DOM, -40 to 85C)

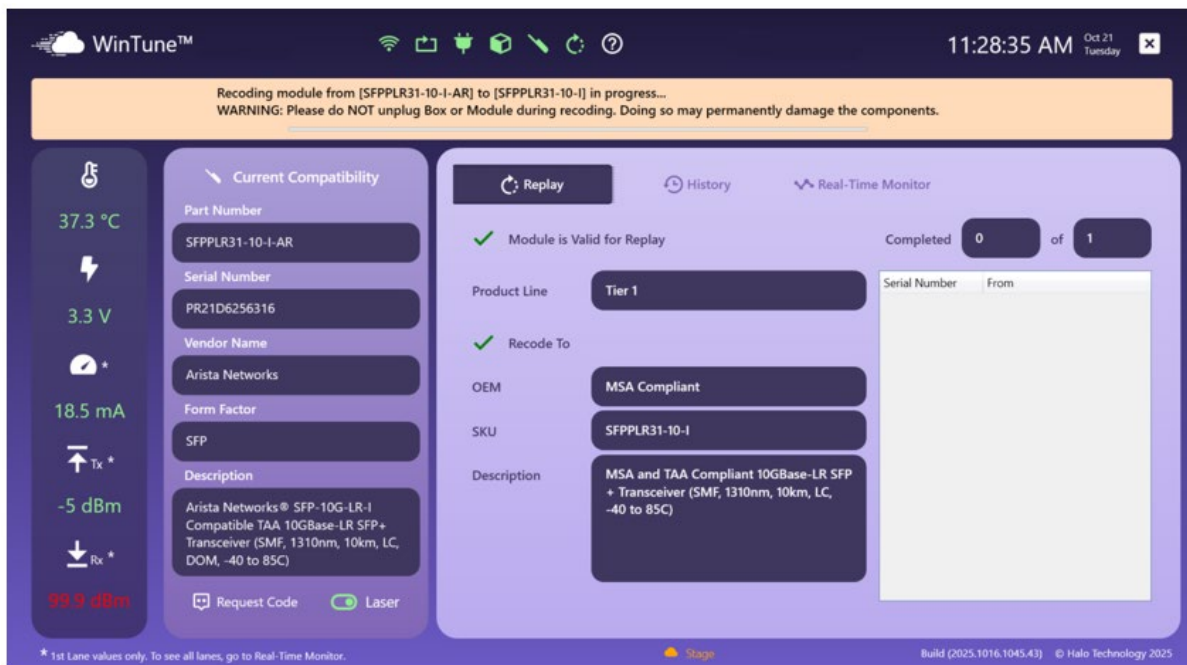
* 1st Lane values only. To see all lanes, go to Real-Time Monitor.

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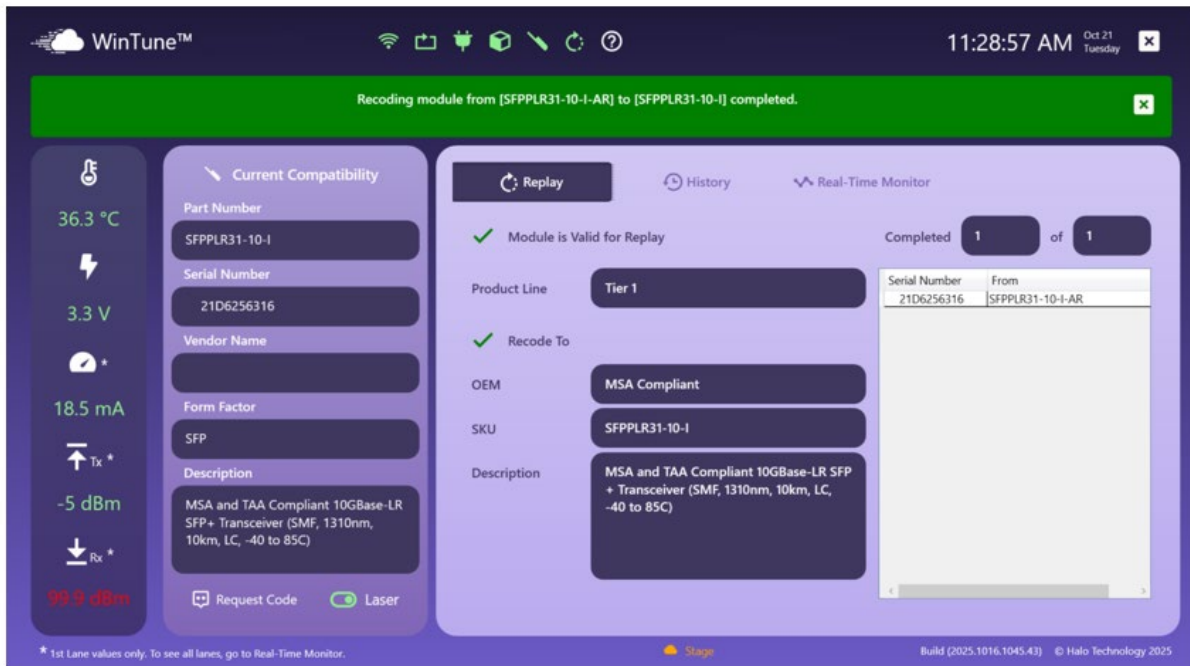
- Plug in your first transceiver, select a part number, and press “Recode” as normal.



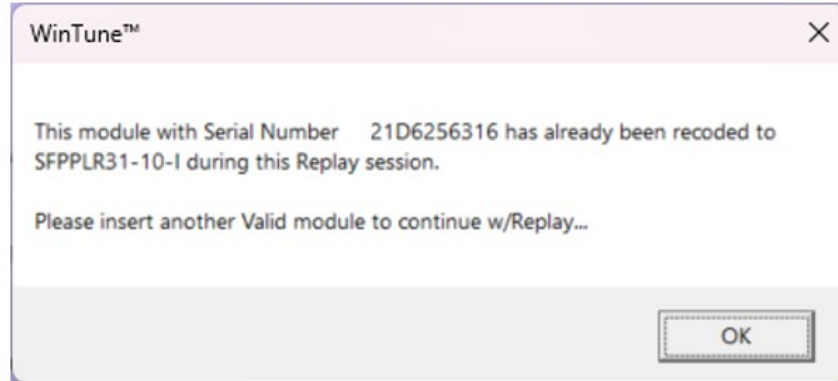
- The screen will now include a “Replay” option while recoding is in progress.



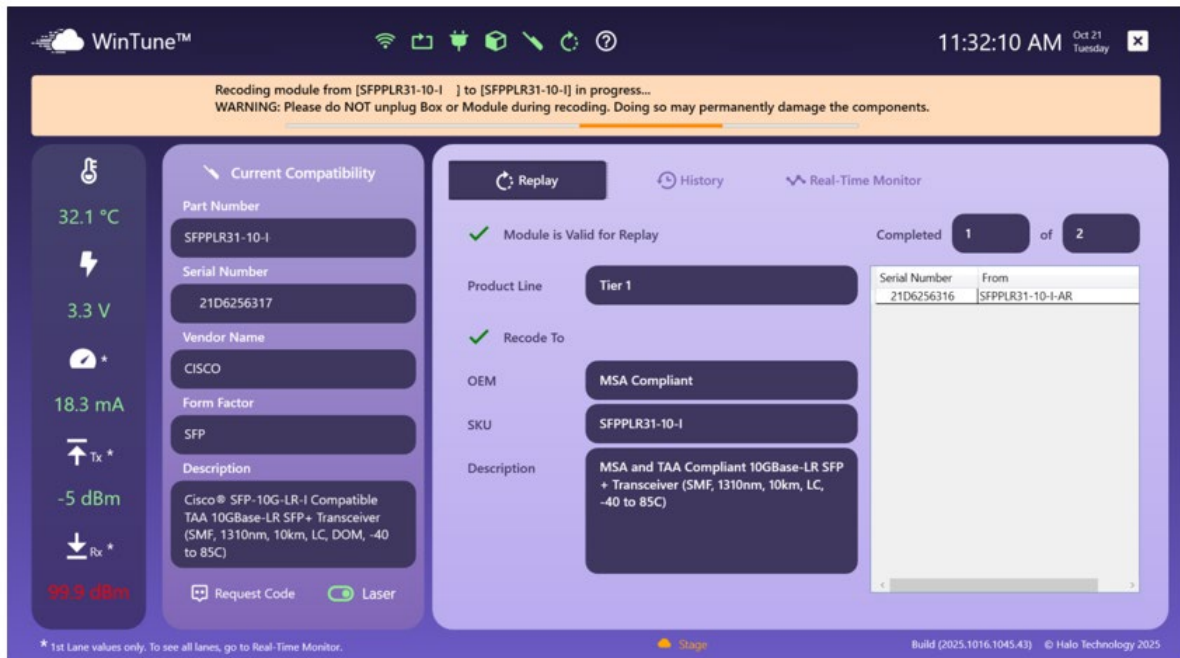
5. Once recoding is complete, the screen will look like the below:



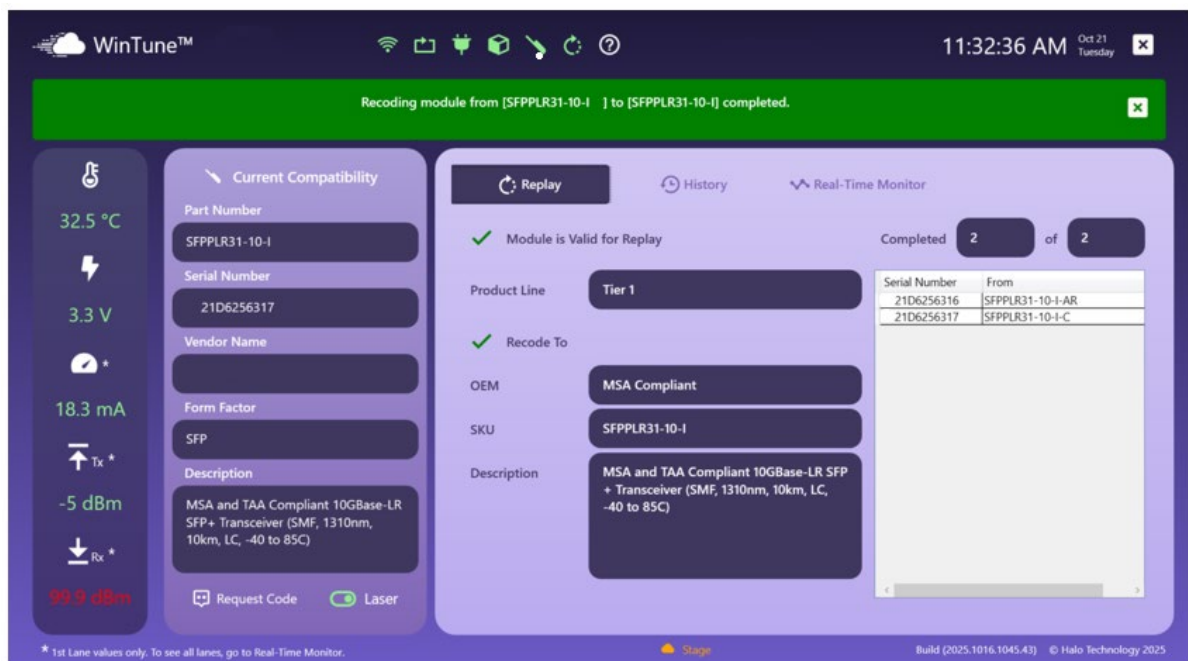
6. If the user attempts to recode the module again while in a "Replay" session, they will see this message:



- Unplug the first transceiver and plug in the second transceiver that will receive the replayed coding. WinTune™ will automatically begin recoding the second transceiver to match the first transceiver.



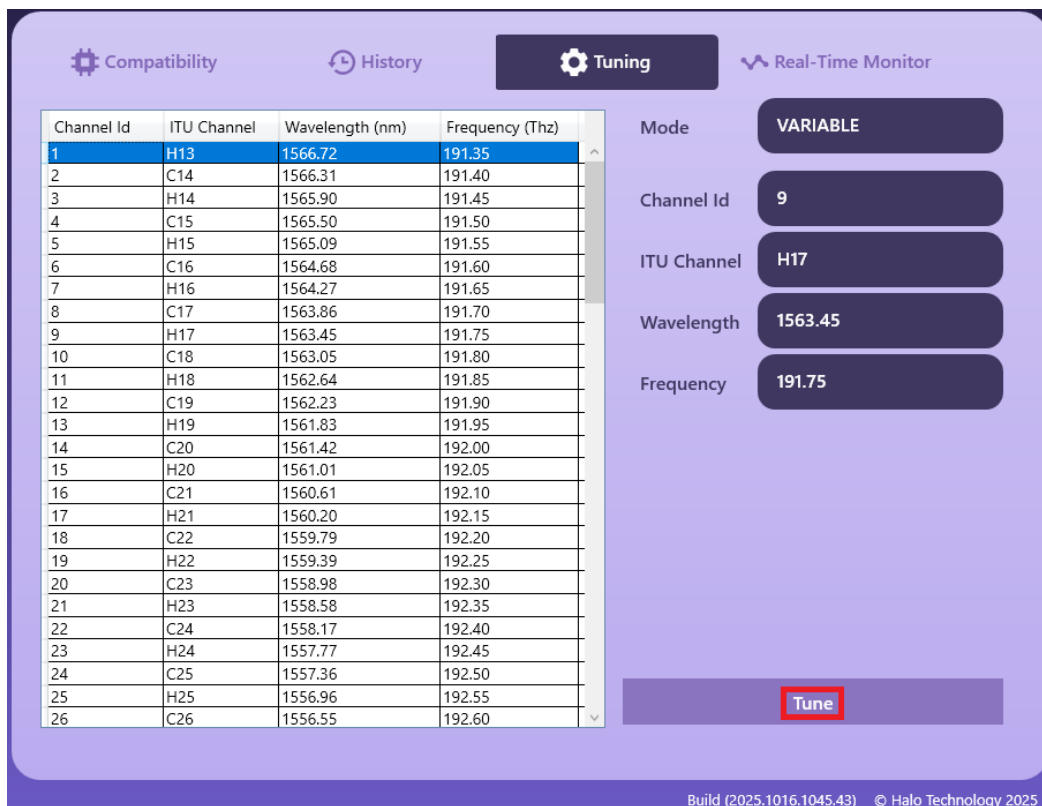
- The user has now successfully used the “Replay” feature to recode additional transceivers using the same coding.



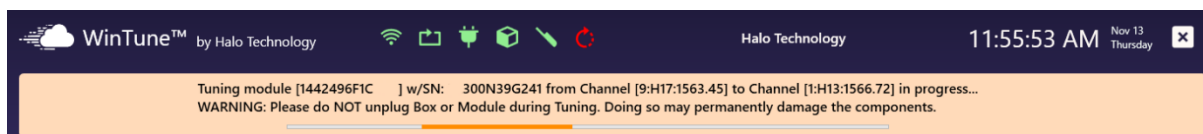
9. Tuning a Transceiver

Once the WinTune™ software is installed, follow the steps below to tune a transceiver.

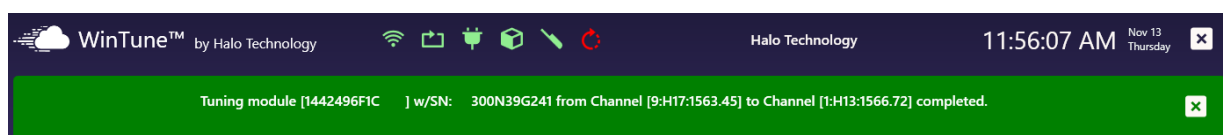
1. Follow/note steps 1 through 16 in section 7 “Recoding a Transceiver” to prepare both the transceiver and WinTune™ for tuning.
2. To tune a transceiver, select the channel you’d like to tune the transceiver to and click “Tune.”



3. While WinTune™ is tuning the transceiver, this message will pop up:



4. Once the transceiver has been successfully tuned, you will see this message:



5. The tuning screen will now display information for the chosen channel.

Mode	VARIABLE
Channel Id	1
ITU Channel	H13
Wavelength	1566.72
Frequency	191.35

6. For further information or troubleshooting assistance, please contact your sales representative and technical support.

10. Fixed Tuning

Once the WinTune™ software is installed, follow the steps below to tune a transceiver to a fixed wavelength.

1. Follow/note steps 1 through 16 in section 7 “Recoding a Transceiver” to prepare both the transceiver and WinTune™ for tuning.
2. For select transceivers, users can recode between variable tuning and fixed tuning part numbers.

- If the transceiver is coded as a variable tuning part, select a new part number that indicates a specific wavelength option in the part number schema.

Tuning
 Compatibility
 History
 Real-Time Monitor

Filter OEM Filter

OEM	Part Number	OEM Part Number	Description
ADTRAN®	1442496F1C	1442496F1C	ADTRAN® 1442496F1C Compatible TAA 10GBase-D
ADVA®	SFP-1GB-DW-C-AV		ADVA® Compatible TAA 1000Base-DWDM SFP Tran
Alcatel-Lucent Nokia®	3AL82038AA	3AL82038AA	Alcatel-Lucent Nokia® 3AL82038AA Compatible TA
Alcatel-Lucent Nokia®	3HE08142AA	3HE08142AA	Alcatel-Lucent Nokia® 3HE08142AA Compatible TA
Arista Networks®	AR-SFP-10G-ZR-T	AR-SFP-10G-ZR-T	Arista Networks® AR-SFP-10G-ZR-T Compatible TA
Arista Networks®	SFP-10GB-1DW-C-AR		Arista Networks® Compatible TAA Compliant 10GB;
Arista Networks®	SFP-10GB-DW-C-40-AR		Arista Networks® Compatible TAA Compliant 10GB;
Arista Networks®	SFP-10G-DZ-T	SFP-10G-DZ-T	Arista Networks SFP-10G-DZ-T Compatible TAA 10G
Arris-Aurora®	SFP-2-5G-DW-C-80-AA		Arris-Aurora® Compatible TAA Compliant 2.5GBase
Brocade® (Formerly)	10G-SFPP-ZRD-1529-55-T	10G-SFPP-ZRD-1529-55-T	Brocade® (Formerly) 10G-SFPP-ZRD-1529-55-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1530-33-T	10G-SFPP-ZRD-1530-33-T	Brocade® (Formerly) 10G-SFPP-ZRD-1530-33-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1531-12-T	10G-SFPP-ZRD-1531-12-T	Brocade® (Formerly) 10G-SFPP-ZRD-1531-12-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1531-90-T	10G-SFPP-ZRD-1531-90-T	Brocade® (Formerly) 10G-SFPP-ZRD-1531-90-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1532-68-T	10G-SFPP-ZRD-1532-68-T	Brocade® (Formerly) 10G-SFPP-ZRD-1532-68-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1533-47-T	10G-SFPP-ZRD-1533-47-T	Brocade® (Formerly) 10G-SFPP-ZRD-1533-47-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1534-25-T	10G-SFPP-ZRD-1534-25-T	Brocade® (Formerly) 10G-SFPP-ZRD-1534-25-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1535-04-T	10G-SFPP-ZRD-1535-04-T	Brocade® (Formerly) 10G-SFPP-ZRD-1535-04-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1535-82-T	10G-SFPP-ZRD-1535-82-T	Brocade® (Formerly) 10G-SFPP-ZRD-1535-82-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1536-61-T	10G-SFPP-ZRD-1536-61-T	Brocade® (Formerly) 10G-SFPP-ZRD-1536-61-T Cor
Brocade® (Formerly)	10G-SFPP-ZRD-1537-40-T	10G-SFPP-ZRD-1537-40-T	Brocade® (Formerly) 10G-SFPP-ZRD-1537-40-T Cor

Recode

- Click “Recode” to change the transceiver from a variable tuning part to a fixed tuning part.
- While WinTune™ is recoding the transceiver, this message will pop up:

WinTune™ by Halo Technology

Halo Technology

11:27:43 AM Jan 19 Monday

STEP 1: Recoding module from [1442496F1C] to [10G-SFPP-ZRD-1529-55-T] with Fixed Wavelength of 1529.55nm in progress...
 WARNING: Please do NOT unplug Box or Module during Recoding. Doing so may permanently damage the components.

- Once the transceiver has been successfully recoded, you will see this message:

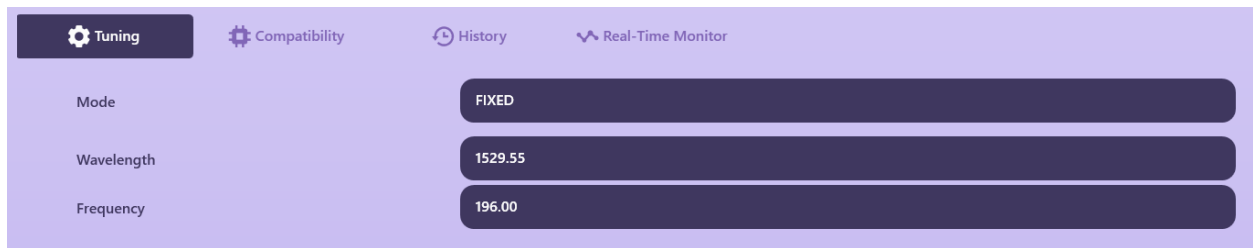
WinTune™ by Halo Technology

Halo Technology

11:29:17 AM Jan 19 Monday

Recoding module from [1442496F1C] to [10G-SFPP-ZRD-1529-55-T] with Fixed Wavelength of 1529.55nm completed.

7. The tuning screen will now display information for the chosen channel.



8. To change the transceiver back to a variable tuning part, follow the same procedure and select a part number that does not specify a set wavelength.
9. For further information or troubleshooting assistance, please contact your sales representative and technical support.

11. Online vs. Offline Functionality

When the WinTune™ software is online, all currently available functionality will be available to the user. When the WinTune™ software is offline, the user will not be able to see previous change history or recode transceivers. Users are currently able to tune in offline mode.

12. Updating WinTune™

If a new version of WinTune™ is available, the user will need to connect to the internet and open the application. WinTune™ will start the update automatically.