

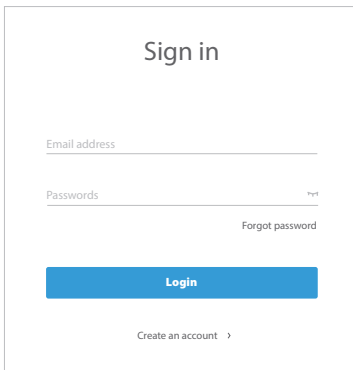
Operation Instructions

② Web Operation

<1> Login Operation

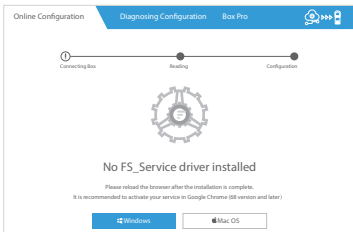
Step 1: Go to fsbox.com.

Step 2: Log in with your FS account.



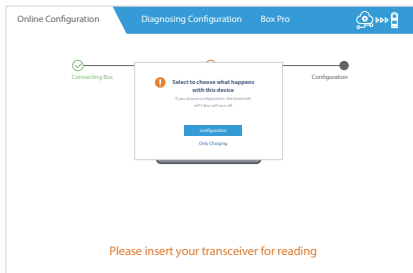
The screenshot shows a web browser window with the title "Sign in". Below the title are two input fields: "Email address" and "Passwords". The "Passwords" field has a "Type" label on the right. Below the input fields is a "Forgot password" link. A large blue button labeled "Login" is centered below the input fields. At the bottom of the page, there is a link that says "Create an account >".


Step 3: Download and install the driver.




The screenshot shows a web browser window with the title "Online Configuration". The page has a blue header with "Diagnosing Configuration" and "Box Pro" tabs. Below the header is a progress bar with three steps: "Connecting Box", "Reading", and "Configuration". The "Connecting Box" step is currently active. Below the progress bar is a large gear icon with a question mark inside. Below the gear icon, the text reads "No FS_Service driver installed". Below this text, there is a small note: "Please reload the browser after the installation is complete. It is recommended to activate your service in Google Chrome (58 version and later)". At the bottom of the page, there are two buttons: "Windows" and "Mac OS".

Step 4: Select 'Configuration', then you can use FS-BOX-V4 on the web side to perform the operations you want normally.



 You can download the driver on the home page or after signing in.

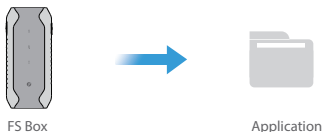
 If you don't have an account, click Create an account to create one.

 It is recommended to activate your service in Google Chrome (68 version and later)

Install MacOS Driver

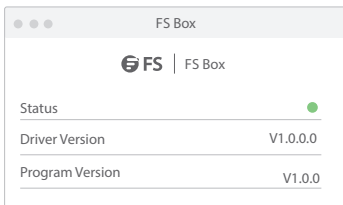
Step 1: After downloading the driver, double-click the driver file FS Install_Mac.dmg.

Step 2: Long click the FS Box and drag to the Application folder.




Step 3: Find the FS Box application on the Launchpad, then double-click it and a system pop-up prompt will appear, click Open.

Step 4: Status displays in green means that the driver is successfully installed and activated normally.



Install Windows driver

Step 1: After downloading the driver, double-click the driver file FSInstaller for installation.

Step 2: FS service will be automatically activated when the driver is installed, and you can check the FS logo  in the notification bar.

If FS service is not automatically activated, just reload the browser.

<2> Online Configuration Service




If you only need to reconfigure the compatibility of optics, please operate as follow.



Step 1: Connect FS Box to your computer and insert your transceiver into corresponding port of FS Box. After successful insertion, the status indicator will change from breathing white to always white.



Step 2: Choose the compatible brand and click Start Configuration.

 Brand Juniper	 S/N F123456793	 P/N QSFP28-LR4-100G
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P/N*

Brand*

Cisco	Juniper	Arista	H3C
DELL (Force 10)	Brocade	Intel	IBM
Huawei	Netgear	Extreme	Alcatel-Lucent
Generic	Mellanox		

If you need to change more brands for compatibility, please go to 'Box Pro' for custom application

Revise S/N ?

Yes No

Serial number

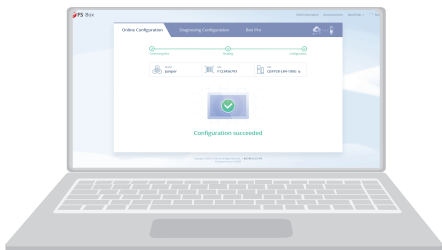
Batch Configuration ?



Start Configuration

- ! Some special brands or special transceiver types do not support revise serial number in Online Configuration, and the Yes and No buttons can not be clicked. In this case, you need to apply in Box Pro.
- ! If you need to reconfigure multiple transceivers to same compatible brand, you can turn on the Batch Configuration button, then follow the prompts to insert and remove the transceivers one by one. And if you want to stop batch configuration, turn off the button after configuration succeeds.

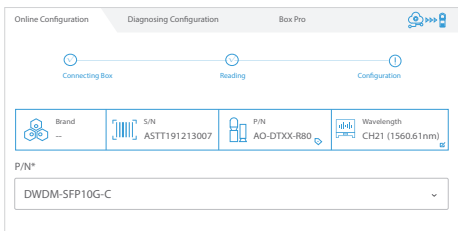
Step 3: Configuration succeeds, then pull out the transceiver.



<3> Wavelength Tuning

If you need to configure channels for tunable transceivers, please operate as follow.

Step 1: Connect FS Box to your computer and insert your tunable transceiver into the corresponding port of FS Box. The platform can quickly identify it. Then choose the P/N of the transceiver, and click the edit icon under the wavelength.



Step 2: Choose the wavelength and click Apply.

Changing wavelength ✕

Wavelength:
CH21 (1560.61nm)

Tunable wavelength:
CH19.5 (1561.83nm) ▾

Step 3: You can check the updated wavelength and status after configuration succeeds.

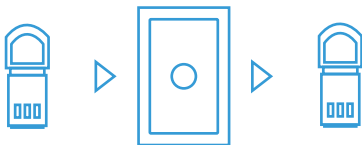
Changing wavelength ✕

Wavelength:
CH19.5 (1561.83nm)

Tunable wavelength:
Please choose ▾

<4> Diagnosing Configuration Service





If you need to solve compatibility issues with your problematic optics after the sale, please operate as follow.



Step 1: Connect FS Box to your computer and insert an identical transceiver that works well into the corresponding port of FS Box.



Step 2: Choose the compatible brand of the identical transceiver, and fill in the device model number which the transceiver will be used, then click Start Diagnosing.

 Brand Juniper	 S/N A1930005081	 P/N QSFP-IR4-40G 
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[Available FS Transceiver Information]

P/N*

QSFP-IR4-40G

Compatible Brand*

Juniper 

S/N*

A1930005081

More Information 



Device Model Number

JU EX4300-48P

Remark

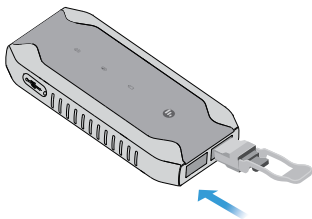
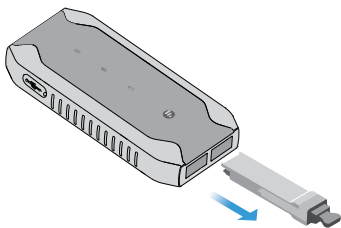
Please filling

Save the information to my Configuration







Start Diagnosing

Step 3: Remove the identical transceiver and insert your problematic FS transceiver after diagnosing succeeds.



Step 4: Click Start Matching after the transceiver is replaced.

 Brand Juniper	 S/N Y203000429	 P/N QSFP-IR4-40G 
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[Available FS Transceiver Information]



[Problematic FS Transceiver Information]

P/N*

QSFP-IR4-40G

Revise S/N ?

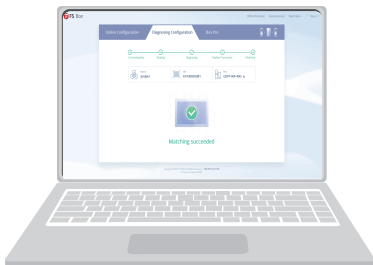
Yes No

Batch Matching ?



Start Matching

Step 5: Matching succeeds, then pull out the transceiver.



<5> Box Pro Service

If you need to reconfigure part number of your optics or need to custom compatibility, please operate as follow.



Application Steps

Step 1: Enter Box Pro service and click Request Configuration.

Transceiver information ?



Available Configuration

Batch Configuration ?

Request Configuration

S/N



Please filling



Step 2: Locate the order in which the optics you need to reconfigure. Then choose the optics and click Apply.

[My Orders](#) [My Applications](#)

[← return](#)

Apply

Order NO



Please filling Order NO



Order No/Date: FS200907001174 / 2020-09-07 00:29:27



<input type="checkbox"/> Product ID	Description	P/N	Qty	Brand	Vendor Name	Action
<input type="checkbox"/> 36157	Cisco QSFP-40G-SR4 Compatible 40GBASE-SR4 QSFP+ 850nm 150m MTP/MPO DOM Transceiver Module	QSFP-SR4-40G	1	---		Details

Order No/Date: FS200906001169 / 2020-09-06 23:34:23



Total 4 items 1 / 10/page [Go to](#) [Page](#)

Step 3: Fill the configuration details you need to custom and click Submit.

- ! You will receive the auditing result of your application in 1 to 3 business days.

Apply

return

Application Information

Description: Cisco QSFP-40G-SR4 Compatible 40GBASE-SR4 QSFP+ 850nm 150m MTP/MPO DDM Transceiver Module						▼
Product ID: #36157	P/N: QSFP-SR4-40G		Qty: 1		🗑️	
Wavelength:	Max Cable Distance:		Interface:			
Configuration Details						+ Add
Compatible brands*	Vendor Name*	P/N*	S/N*	Qty*	Switch Information (P/N, OS, Version)	Action
Juniper	FS >	QSFP-SR4-40G	S20200914001	1	Please filling	■

Application Note

Please input

Submit

- ! If you need more than one configuration brand for your optics, you could add more but less than three at a time.

Step 4: Check application status and configuration details in My Applications.

[My Orders](#) [My Applications](#) ← return

Please filling Order No



#	Order No	Application No	Application Note	Application/Audit Date	Status	Action
1	FS200907001174	W1597223550548	no note	【Application Date】 2020-09-07 12:32:43	Unaudited	Details Cancel

Configuration Steps

Step 1: Connect FS Box to your computer and insert corresponding transceiver into corresponding port.

Step 2: Locate the application which is approved and click Configuration.

Available Configuration

[Batch Configuration ?](#) [Request Configuration](#) S/N

Application No/Date: W1597223550548 / 2020-09-07 12:32:43							Order No: FS200907001174	^
<input checked="" type="checkbox"/>	Product ID	P/N	Brand	Vendor Name	Attribute	New S/N	Application Note	Action
<input checked="" type="checkbox"/>	#36157	QSFP-SR4-40G	Juniper	FS	850nm	PO001234567890	this is application note	Configuration

Step 3: After configuration succeeds, you can check the updated information in the reading column. Then pull out the transceiver.

Batch Configuration Steps

a. If you need to configure the same type configurations in large amounts, please operate as follow.

Step 1: Connect FS Box to your computer and insert corresponding transceiver into corresponding port.

Step 2: Select the application which is approved and click Batch Configuration.

Transceiver information ?

Available Configuration

Batch Configuration ?

Request Configuration

S/N v Please filling 🔍

Application No/Date: W1600398462915 / 2020-09-18 03:08:47Order No: FS190813415903 ^

<input checked="" type="checkbox"/>	Product ID	P/N	Brand	Vendor Name	Attribute	New S/N	Application Note	Action
<input checked="" type="checkbox"/>	#11552	SFP-10GSR-85	Cisco	FS	850nm	PO001234567891	this is application note	Configuration

X

Step 3: Click Start Configuration, then insert and remove your transceivers one by one.

Transceiver information

✔ Connecting Box✔ Reading! Configuration

Brand

S/N
PO001234567891

P/N
SFP-10GSR-85 📄

No	P/N	Brand	New S/N	Status
1/1	SFP-10GSR-85	Cisco	PO001234567891	Waiting

Start Batch Configuration

! If you want to stop the batch configuration, just click Stop Batch Configuration after configuration succeeds.

b. If you need to configure multiple types of configurations, please operate as follow.

Step 1: Connect FS Box to your computer and insert corresponding transceiver into corresponding port.



Step 2: Select the applications which are approved and click Batch Configuration.

Transceiver information ?

Available Configuration

Batch Configuration ?

Request Configuration

S/N



Please filling



Application No/Date: W1600159540653 / 2020-09-15 08:49:58		Order No: FS200906001169						^
<input checked="" type="checkbox"/>	Product ID	P/N	Brand	Vendor Name	Attribute	New S/N	Application Note	Action
<input checked="" type="checkbox"/>	#31238	SFP-10GSR-85	Cisco	FS	850nm	PO001234567892	this is application note	Configuration
<input checked="" type="checkbox"/>	#31287	SFP-10GSR-85	Juniper	FS	850nm	PO001234567893	this is application note	Configuration

Step 3: Click Start Configuration, and the system will continue to configure according to the selected order. You just need to insert and remove your transceivers.

X

Transceiver information

✓
Connecting Box

✓
Reading

!
Configuration

Brand
...

S/N
PO001234567892

P/N
SFP-10GSR-85

No	P/N	Brand	New S/N	Status
1/2	SFP-10GSR-85	Cisco	PO001234567892	Waiting
2/2	SFP-10GSR-85	Juniper	PO001234567893	Waiting

[Start Batch Configuration](#)

<6> DDM Information

Connect FS Box and insert your transceiver, and then you can click "DDM Information" in the top right corner of the page to check the status of the transceiver, and open the Testing button.

It will show voltage, temperature and bias-current values in combination with time based continuous chart for transmit level and receive level (the transceiver needs to be connected with the cable to test receiver level).

You can click the download icon to download the testing data.

