

# NEW Smart Coder Features and How-To's:



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## Recode Cabled Transceivers

With the new release of the Smart Coder, you can now recode cabled transceivers purchased from Integra Optics!

The screenshot displays the 'Optic Configurator' interface for 'Acme Co.'. The interface is divided into several sections:

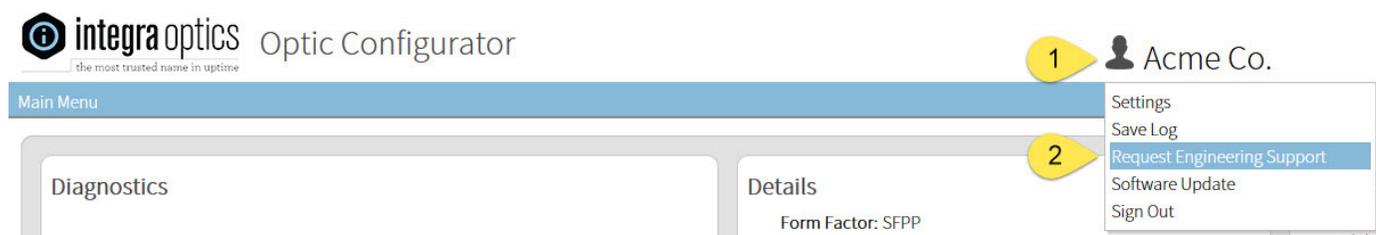
- Diagnostics:** A message states 'Monitoring not Supported by the Optic.'
- Details:** A list of technical specifications for a transceiver, including Form Factor (SFPP), Serial # (B/EOSF3Q130066), Part Number (SFP-H10GB-CU1M-IO-SUB), OEM Part # (SFP-H10GB-CU1M), Specifications (SFP+, Direct Attach Twinax Transceiver (sub part), Cisco Compatible), Ext. Identifier (GBIC/SFP function is defined by two-wire interface ID only), Connector (Copper Pigtail), Vendor Name (Integra Optics), Vendor Part # (SFPH10GBCU1M-IO), Wavelength, and Recom'd Distance. A yellow callout '1' points to the Serial # field. A 'View Product' link is at the bottom.
- Updates:** A message states 'No update is currently available for your optic.'
- Recoding Options:** A table with columns for Platform and Part Number, showing 18 of 18 options. The 'Calix' platform is selected, highlighted with a yellow callout '2'. The table lists platforms like Adtran, Arista, Brocade/Foundry, Calix, and Cisco with their respective part numbers and heart icons for favorites.
- Coding Option Details:** Shows details for the selected Calix platform, including Platform (Calix), OEM Part # (100-01793-IO-SUB), and Specifications (SFP+, Direct Attach Twinax Transceiver (sub part)). A 'Don't see what you're looking for?' message is present. Two buttons are shown: 'Code' (with a yellow callout '3') and 'Request New Configuration' (with a yellow callout '4'). A 'Code Batch' button is also visible.

1. To change the code applied to a cabled transceiver, insert one of the ends of the cabled transceiver into the coding board.
  - a. Each transceiver end is identified by a unique internally coded serial number, consisting of the parent serial number and an A/B/C prefix distinguishing that end.
2. Choose the desired recoding option.
3. Click the "Code" button to recode the optic.

4. Don't see the recoding option you're looking for? Click the "Request New Configuration" button to open a ticket for our engineers to add your desired configuration.
  - a. Most cabled transceivers can be recoded this way. If you see repeated coding failures, you may have a cable that is not supported. Our engineers can provide recoding support for these cables through a Remote Support session. (Instructions below.)
5. Repeat for each transceiver end you wish to recode.

## Remote Support

Before you begin, send an email with the serial number of the transceiver and a brief description of the issue to [customersupport@integraoptics.com](mailto:customersupport@integraoptics.com).



1. Once the remote support session has been scheduled, click the Company Name at the top right of the screen to bring up a list of menu options.
2. Click "Request Engineering Support" to begin the session.

## Favorites and Searching

Do you need to routinely recode similar parts and platforms?

You can now identify favorite products, making them easier to find in the list of recoding options. We have also improved the search controls, allowing for quicker searching and setting of favorites.

## Recoding Options

The screenshot shows a web interface titled "Recoding Options". At the top left, there is a checkbox labeled "Show only Favorites" with a yellow callout '2' pointing to it. To its right is a search box with a magnifying glass icon and the text "Search...", with a yellow callout '3' pointing to it. Below these is a table with two columns: "Platform" and "Part Number". To the right of the table, there is a yellow callout '4' pointing to the text "18 of 18 options". The table has five rows, each with a heart icon to its right. A yellow callout '1' points to the heart icon in the first row. The rows are: Adtran (1179830G1.1572-IO-SUB), Arista (CAB-SFP-SFP-1M-LEG-SUB), Brocade/Foundry (10G-SFPP-TWX-P-0101-IO-SUB), Calix (100-01793-IO-SUB), and Cisco (SFP-H10GB-CU1M-IO-SUB). The Calix row is highlighted in blue.

Platform	Part Number	
Adtran	1179830G1.1572-IO-SUB	1
Arista	CAB-SFP-SFP-1M-LEG-SUB	
Brocade/Foundry	10G-SFPP-TWX-P-0101-IO-SUB	
Calix	100-01793-IO-SUB	
Cisco	SFP-H10GB-CU1M-IO-SUB	

1. Click the heart icon to save an option as a Favorite.
2. Select/Deselect the checkbox to Show only Favorites, or display all recoding options.
3. Use the Search box to quickly find options by Platform as well as Part Number.
4. See at a glance how many coding options have been returned by the current filters. If there are more options available than fit on the screen, refine your search to retrieve the additional options.

**Note:** Favorites are saved per board serial number so that Smart Coders across a large company can be configured differently.

## Batch Coding

Do you need to recode many of the same physical pieces to the same platform/finished part?

The new Batch Coding feature will allow you to install the same product code to multiple units in a single serial function, selecting the desired code once, and automatically applying it to each inserted optic. Quickly recode like-transceivers to reduce time and improve efficiency!

The screenshot shows the 'Recoding Options' interface. On the left, a table lists various platform and part number combinations. A yellow callout '1' points to the Calix option with part number 100-01793-IO-SUB. On the right, the 'Coding Option Details' panel shows the selected platform (Calix), OEM Part #, and Part Number. A yellow callout '2' points to the 'Code Batch' button. Below the table, a yellow bar indicates the next step in the process.

Platform	Part Number	18 of 18 options
Adtran	1179830G1.1572-IO-SUB	♥
Arista	CAB-SFP-SFP-1M-LEG-SUB	♥
Brocade/Foundry	10G-SFPP-TWX-P-0101-IO-SUB	♥
Calix	100-01793-IO-SUB	♥
Cisco	SFP-H10GB-CU1M-IO-SUB	♥
Cisco	SFP-H10GB-CU1M-LEG-SUB	♥

**Coding Option Details**

Platform: Calix  
 OEM Part #:  
 Part Number: 100-01793-IO-SUB  
 Specifications: SFP+, Direct Attach Twinax Transceiver (sub part)

Buttons: Code, Request New Configuration, Code Batch

## Coding in Progress

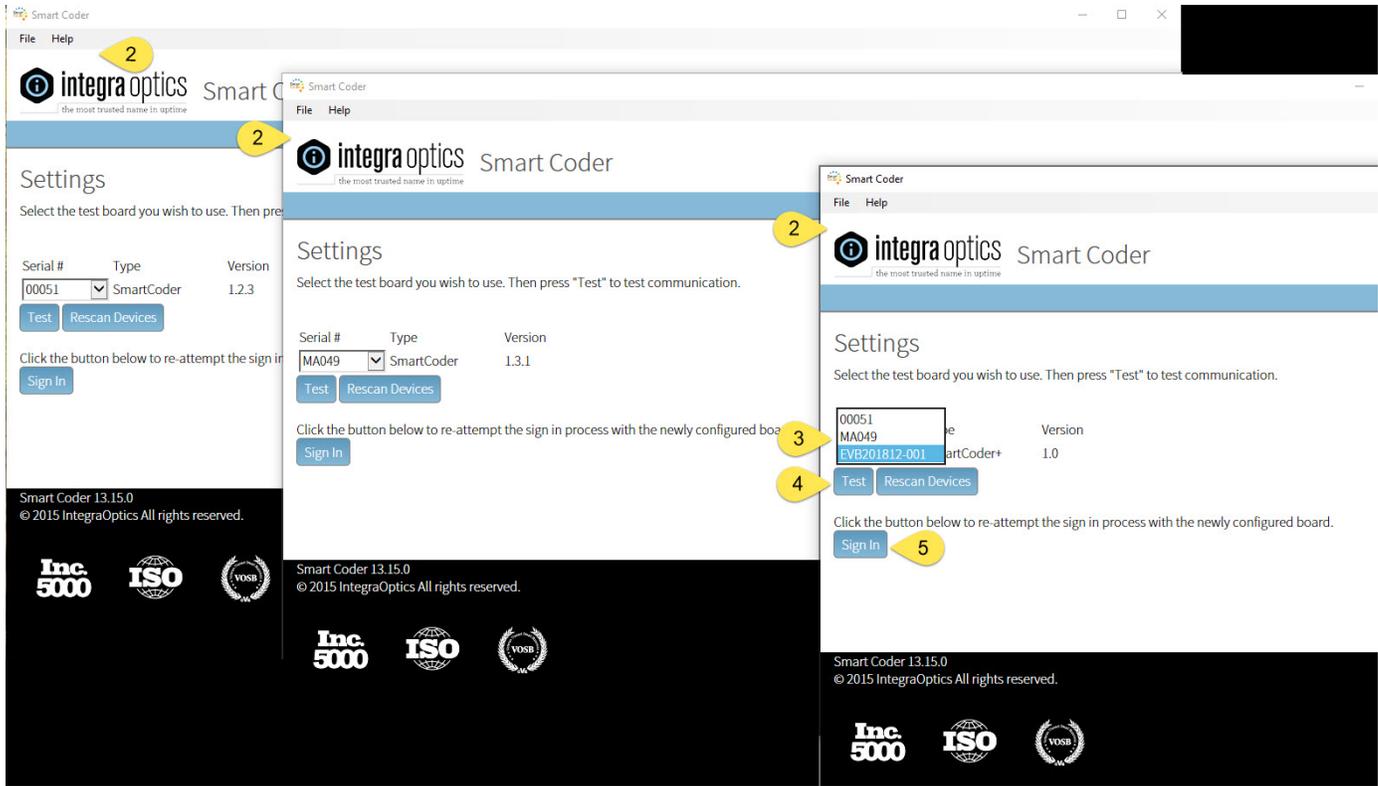
The diagram shows a yellow horizontal bar representing the coding process. A yellow callout '3' points to the bar with the text 'Insert the next optic to be coded.' Below the bar, a yellow callout '4' points to a 'Done' button.

1. Insert the first transceiver and select the desired recoding option.
2. Click the “Code Batch” button to recode the inserted optic.
3. When the display changes from “Applying Code” to “Insert the next optic to be coded”, insert the next transceiver that should receive the same code.
4. When all like-transceivers have been coded, click “Done” to return to the main Smart Coder screen, and to select a new option for batch coding or resume individual coding.

## Multiple Coding Boards

Speaking of increasing speed and efficiency, you can plug in multiple Smart Coders to the same computer, open multiple instances of the Smart Coder application, and recode multiple optics in parallel!





1. Connect all Smart Coder boards to a single computer using available USB ports.
2. Open an instance of the Smart Coder application by double-clicking the Smart Coder icon.
3. Select the serial number of the first coding board from the “Serial #” dropdown on the Settings screen.
4. Select “Test” to verify board communication.
5. Click on the “Sign In” button.
6. Repeat steps 2-5 for each application instance to be connected to a board.
7. Proceed with coding as usual; all connected and configured boards may be used simultaneously.

**Note:** Smart Coder and Smart Coder+ boards are both supported.

**Note:** One Smart Coder application instance with multiple boards connected will only communicate with the designated board set up for that application instance. All other boards will not be available for coding until set up in another application instance.

