

Insight on Color

Vol. 18, No. 12

Using EasyMatch QC to Store, Restore, and Share ColorFlex and MiniScan XE Plus Product Setups

If you have ever configured a number of product setups at once using the keypad buttons of a ColorFlex or MiniScan XE Plus, you know that it can be a tedious process and painful on the fingers! If you have multiple instruments to configure, you might approach it with a feeling of dread. However, if you also have HunterLab's EasyMatch QC software (version 3.70 or higher) available to you, you can simplify and speed this process. In addition, you can store your configured setups within the software in case they should be lost due to instrument malfunction or reset, and you can use that same stored group of setups to quickly configure multiple instruments the same way using a computer keyboard and mouse rather than the keypad of the instrument.

Let's walk through an example in which we will use EasyMatch QC to configure the setups of one instrument, store those setups, and then send those exact same setups to another instrument. To do so, complete the following steps:

- 1. Connect the first ColorFlex or MiniScan XE Plus to be configured to your computer, open EasyMatch QC, and install and connect this instrument to the software.
- 2. Open the Sensor menu and choose Configure Setups. The following screen appears.



3. Click the **Edit** button. The screen that appears allows you to configure the parameters of each individual setup.



Setup Number:	1-99)		Retrieve
Setup ID:	·	18 Chars. Max	Update Sensor
Average Count:	0 + (0-25) 0 = Off		Read Standard
Standard Type:	Working 💌		Recall Standard
Display Mode:	Difference 🗨	CMC I:c 2.0	Retrieve All
Illuminant/Observer:	D65/10 💌	Factor 1.0	Update All Setups
Color Scale: L*a*b* L* 0.00 a* 0.00 b* 0.00	_	Index Scale: None	
- 1 0.00		1.0	

- 4. If you already have setups configured in this instrument that you would like to keep, click **Retrieve** All. Even if you have not already configured setups in this instrument, you may want to click **Retrieve** All so that the default setups stored in the instrument will be retained. All 99 setups in the instrument will be brought into your computer's memory. This will take a few minutes, so please be patient.
- 5. The Product Setup Configuration screen will change to match the setups you retrieved. Note that the Setup ID for Setup Number 1 has changed from "SETUP NUMBER 1" in the picture above to "DAYLIGHT COLOR" in the picture below.

Product Setup Configuration	
Setup Number: 1 + (1-99)	Retrieve
Setup ID: DAYLIGHT COLOR	18 Chars. Max Update Sensor
Average Count: 0 + (0-25) 0 = 0ff	Read Standard
Standard Type: Working	Recall Standard
Display Mode: Difference	CMC I:c 2.0 Retrieve All
Illuminant/Observer: D65/10	Factor 1.0 Update All Setups
Color Scale: L*a*b* ▼ L* 000 a* 000 b* 0.00	Index Scale: None
Difference Scale: L*a*b*	Difference Index: dE*
Tolerances: dL* 0.0 0.0 = Off	dE* 0.0 = 0ff
da* 0.0 0.0 = Off db* 0.0 0.0 = Off	
uo juo 0.0=01	
	OK Cancel

6. Alter any or all of the 99 setups as desired using your keyboard and mouse. In the pictures shown below, we have altered Setup Number 99.



Product Setup Configuration		
Setup Number: 🛐 🕂 (1-99)		Retrieve
Setup ID: SETUP NUMBER 99	18 Chars. Max	Update Sensor
Average Count: 0 + (0-25) 0 = Off		Read Standard
Standard Type: Working		Recall Standard
Display Mode: Difference	CMC ltc 2.0	Retrieve All
Illuminant/Observer: D65/10	Factor 1.0	Update All Setups
Color Scale: L*a*b*	Index Scale: None	•
L* 0.00	0.00	
a* 0.00		
b* 0.00		
Difference Scale: L*a*b*	Difference Index: dE	× 💽
Tolerances: dL* 0.0 0.0 = Off	dE* 0.0	0.0 = Off
da* 0.0 0.0 = Off		
db* 0.0 = 0ff		
		Cancel
	OK	
Product Setup Configuration		X
Product Setup Configuration		
Setup Number: 99 🛨 (1-99)		Retrieve
Setup Number: 39 ÷ (1-99) Setup ID: APPNOTE EXAMPLE	18 Chars. Max	Retrieve Update Sensor
Setup Number: 39 + (1-99) Setup ID: APPNOTE Average Count: 2 + (0-25) 0 = 0 ff	18 Chars. Max	Retrieve Update Sensor Read Standard
Setup Number: 39 $\stackrel{+}{\rightarrow}$ (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 $\stackrel{-}{\rightarrow}$ (0-25) 0 = Off Standard Type: Physical		Retrieve Update Sensor Read Standard Recall Standard
Setup Number: 39 + (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 + (0-25) 0 = Off Standard Type: Physical Display Mode: Absolute	CMC to 2.0	Retrieve Update Sensor Read Standard
Setup Number: 39 $\stackrel{+}{\rightarrow}$ (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 $\stackrel{-}{\rightarrow}$ (0-25) 0 = Off Standard Type: Physical		Retrieve Update Sensor Read Standard Recall Standard
Setup Number: 39 + (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 + (0-25) 0 = Off Standard Type: Physical Display Mode: Absolute	CMC to 2.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All
Setup Number: 99 \div (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 \div (0-25) 0 = Dif Standard Type: Physical \checkmark Display Mode: Absolute \checkmark Illuminant/Observer: C/2 \checkmark	CMC tc 2.0 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 $\stackrel{\bullet}{\longrightarrow}$ (1-99) Setup ID: APPNOTE EXAMPLE Average Count: 2 $\stackrel{\bullet}{\longrightarrow}$ (0-25) 0 = Dif Standard Type: Physical \checkmark Display Mode: Absolute \checkmark Illuminant/Observer: C/2 \checkmark	CMC tc 2.0 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 \div (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 \div (0.25) 0 = Dif Standard Type: Physical \checkmark Display Mode: Absolute \checkmark Illuminant/Observer: C/2 \checkmark Color Scale: L*a*b* \checkmark	CMC tc 2.0 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 \div (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 \div (0.25) 0 = Dif Standard Type: Physical \checkmark Display Mode: Absolute \checkmark Illuminant/Observer: C/2 \checkmark Color Scale: L*a*b* \checkmark L* 33.26 a* -0.70	CMC tc 2.0 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 \div (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 \div (0-25) 0 = Off Standard Type: Physical Display Mode: Absolute Illuminant/Observer: C/2 Color Scale: [*a*b* L* 93.26 a* -0.70 b* -0.37	CMC to 20 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 ÷ (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 ÷ (0.25) 0 = 0 ff Standard Type: Physical Display Mode: Absolute Illuminant/Observer: C/2 Color Scale: L*a*b* L* 9326 a* -0.70 b* -0.37 Difference Scale: L*a*b* Tolerances: dL* 0.0 0.0 = 0 ff da* 0.0 0.0 = 0 ff	CMC to 20 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 ÷ (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 ÷ (0.25) 0 = 0 If Standard Type: Physical Display Mode: Absolute Illuminant/Observer: C/2 Color Scale: L*a*b* L* 93.26 a* -0.70 b* -0.37 Difference Scale: L*a*b* Tolerances: dL* 0.0 = 0 ff	CMC to 20 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups
Setup Number: 99 ÷ (1.99) Setup ID: APPNOTE EXAMPLE Average Count: 2 ÷ (0.25) 0 = 0 ff Standard Type: Physical Display Mode: Absolute Illuminant/Observer: C/2 Color Scale: L*a*b* L* 9326 a* -0.70 b* -0.37 Difference Scale: L*a*b* Tolerances: dL* 0.0 0.0 = 0 ff da* 0.0 0.0 = 0 ff	CMC to 20 Factor 1.0	Retrieve Update Sensor Read Standard Recall Standard Retrieve All Update All Setups

7. Once all of the setups are the way you want them, click **OK** and return to the Setup Groups screen.

	Setup Gro	ups	
			Upload
		_	Download
			Edit
Get	Save	Delete	Done

8. Place your mouse cursor in the white box on the left side of the screen and type a name for this group of 99 setups.



	Setup Groups		l l
			Upload
Appnote setu	ıps	•	Download
			Edit
Get	Save	Delete	Done

- 9. Click **Save** to save this group of setups under the name you chose.
- 10. Click **Done**.
- 11. At any time, now or in the future, you may send these setups back to the same instrument or send them to a different instrument. Just connect the ColorFlex or MiniScan XE Plus to your computer, open EasyMatch QC, and install and connect this instrument to the software.
- 12. Open the Sensor menu and choose Configure Setups.
- 13. Select the name of the group of setups you saved from the drop-down list on the left side of the screen and click **Get**.
- 14. Click **Download**. The setups in this group are sent to the instrument. This will take a few minutes, so please be patient.
- 15. Repeat Steps 11-14 for any instruments that will share these setups.

For Additional Information Contact:



