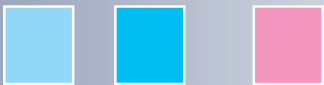


PRESTO SPECTRO

SPECTRO-DENSITOMETER



DENSITY



DOT GAIN

DOT AREA



GRAY BALANCE

COLOR MATCH



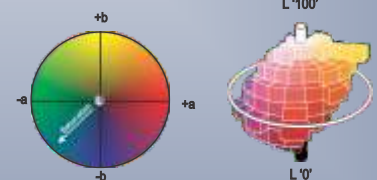
MEASURE PLATES OR PRINTS



TRAFFIC LIGHTS



Precision
Easy Glide Track
Never Touches Wet Ink



Ever Bright Display
Zero Maintenance
No Chargers
2-Year Warranty
7-Years On LED's

L*a*b* Delta E **NEW!** **SCTV** SPOT COLOR TONE VALUE

FREE 10-Day Trial

BETA INDUSTRIES
The Quality Control Company



707 Commercial Ave. Carlstadt, NJ 07072, USA
Tel: 201-939-2400, 1-800-272-7336, email: sales@betascreen.com
www.betascreen.com, www.betascreen.net





PRESTO SPECTRO

Ergonomically Designed
For Unmatched Speed And Accuracy



TECHNICAL SPECIFICATIONS

Density Range0.00 - 2.50
 Density Repeatability+/- 0.003
 Percent Dot Area0-100%
 Measuring Time0.1 sec.
 Linearity+/- 1%
 Light SourceMulti LED's

Filters.....Status T or E
 Measurements / Battery Set>50,000
 Power Source4-1.5V AA Alkaline Batteries
 Apertures2mm, 3mm.
 Weight9.5 oz. [269 grams]
 Dimensions.5.475x2.75x1.6in.[139x70x40mm]
 HousingHigh impact shielded case

No Cables or Chargers to Malfunction or Misplace

The PrestoSpectro will store 32 color References, organized in 4 Volumes (A,B,C,D), each with 8 Colors. The AUTO Mode will recognize each of the 8 colors within a Volume when a sample is measured in Density mode or Delta E.

COLOR REFERENCE LIBRARY

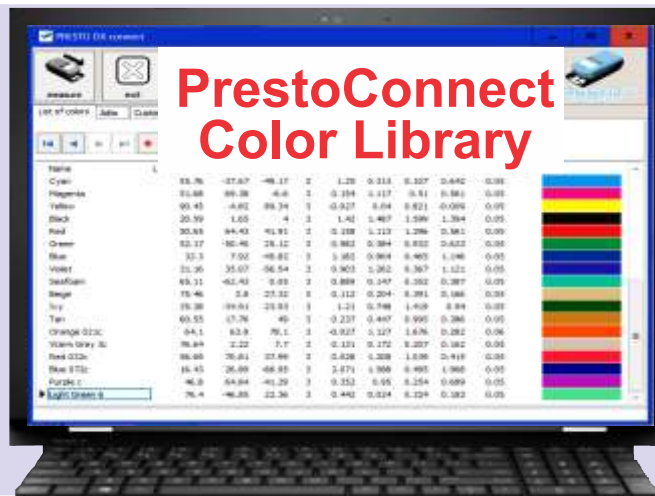


Memorize any color from multiple sources

The Presto Spectro is ideally suited for 8 color offset or flexo presses. Volume A is CMYK plus RGB, Gray Balance or spot color. Volume B is CMYK plus OGV and White ink. Volume C and D are any random colors on a print job.



Create, collect and manage unlimited colors with the new advanced Beta Presto Spectro



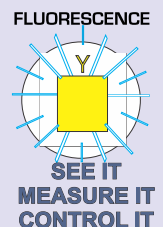
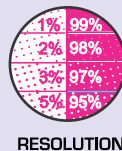
The database organizes by Color, Customer and Job Date making it convenient for production personnel to use

BETACOLOR VIEWER 3

CMYK ENHANCEMENT
MAGNIFICATIONS 10X-100X

Makes **YELLOW** Look Almost **BLACK!**

THE PERFECT COMPANION FOR THE PRESSROOM



PRESTOConnect User Manual

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Introduction

Congratulations! You have just purchased the PRESTOConnect color database software to be used with the PRESTO SPECTRO Spectrodensitometer.

The PRESTOConnect Software helps you to manage colors by jobs. Use the PRESTOConnect Software to upload information from the PRESTO SPECTRO Spectrodensitometer and download color specifications to the PRESTO SPECTRO Spectrodensitometer. Configure the Device for the jobs that you are working on.

Important: *This manual describes the current version of the PRESTOConnect software. Future enhancements or modifications may be added later.*

PRESTOConnect User Manual

Safety Instructions

Warning

For safety reasons it is absolutely necessary to read through the user's guide as well as all of the instructions.

General safety rules

If the safety recommendations and instructions in this User Guide are not complied with, measurement errors, data loss, physical injury or property damage may result

Installation

Start your Computer and wait until all boot processes have finished and your computer is ready to operate. **Do not plug in the USB cable at this time.**

Download the Installer from www.peret.it

Install the PRESTOConnect software

Do not plug in the USB cable before the PRESTOConnect Software has been installed.

Start your Computer and wait until all boot processes have finished and your computer is ready to operate. Run the setup-PRESTOconnect-vxxx.exe application to install the PRESTOConnect Software on your PC and follow the instructions.

Once the setup is ready, you can connect the PRESTO SPECTRO to a USB 2.0 port. Wait until Windows has completely installed the driver.

DRIVER without digital signature

On Windows 8.1 or Windows 10 there is the possibility of an error message that the "PERET USB Driver does not have a digital signature". In this case it is necessary to boot your Windows in a special mode to enable the driver installation. Instructions can be found at

https://www.youtube.com/watch?v=71YAIw7_-kg

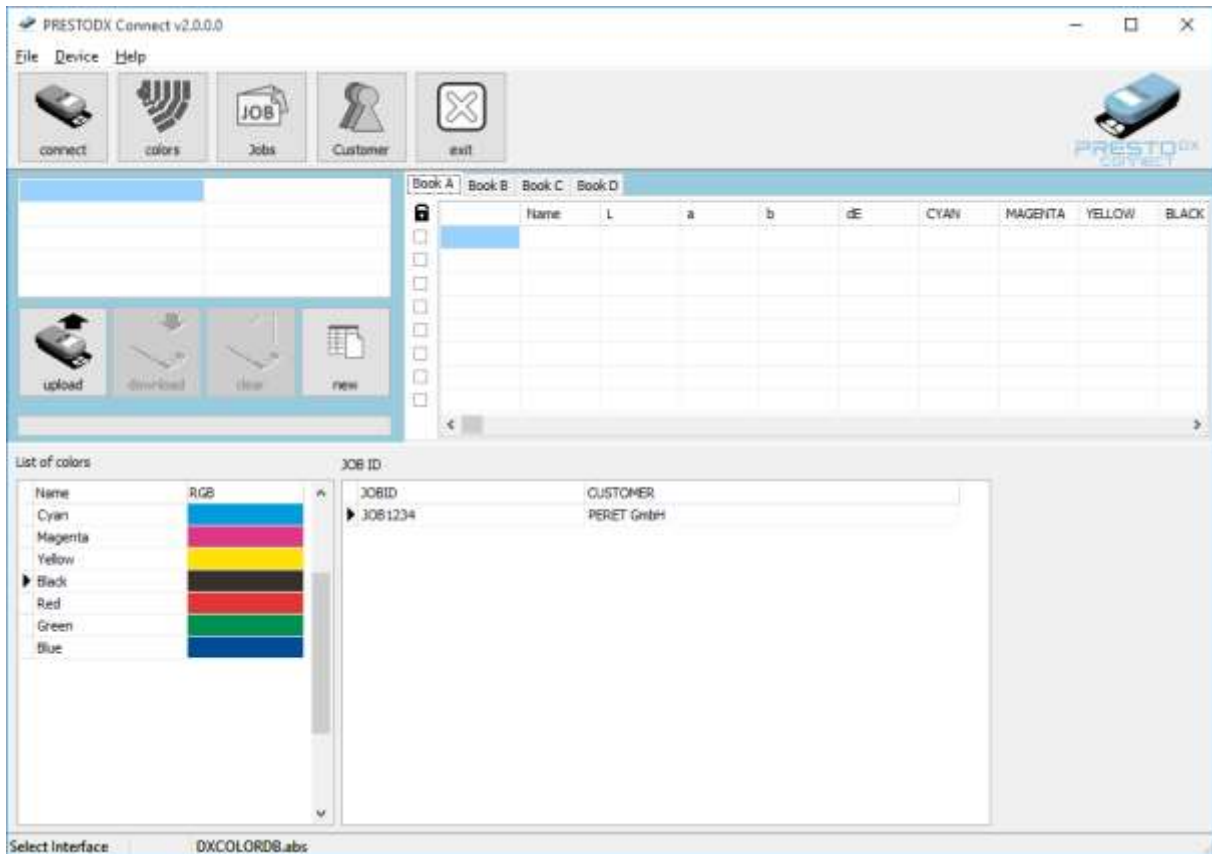
- Hold down the shift key and restart your computer
- Select the "Troubleshoot" option.
- Select "Advanced" options
- Select Startup Settings
- Click RESTART
- Press the number 7 key on your keyboard (Disable driver signature enforcement)
- Windows will restart and the driver will now be installed correctly.
- Use the device manager to update the driver **PERET USBDRV.inf** located in the PRESTOConnect folder.

Run the PRESTOConnect Application

Connect the PRESTO SPECTRO via USB cable to your PC.

Click the PRESTOConnect Icon on your desktop

PRESTOConnect User Manual

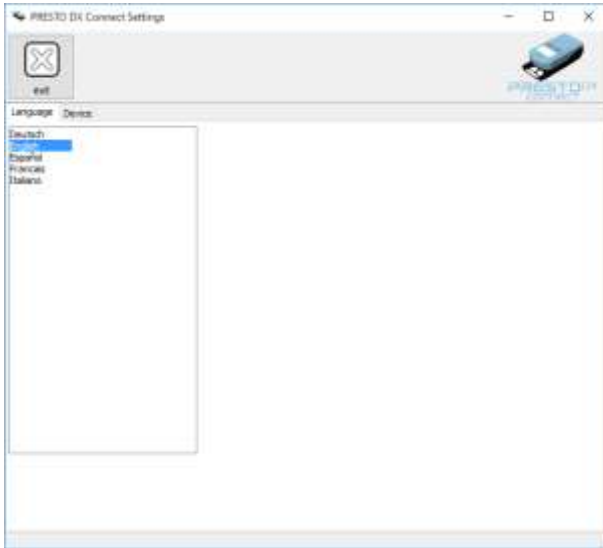


Configure the PRESTOConnect Software to your needs

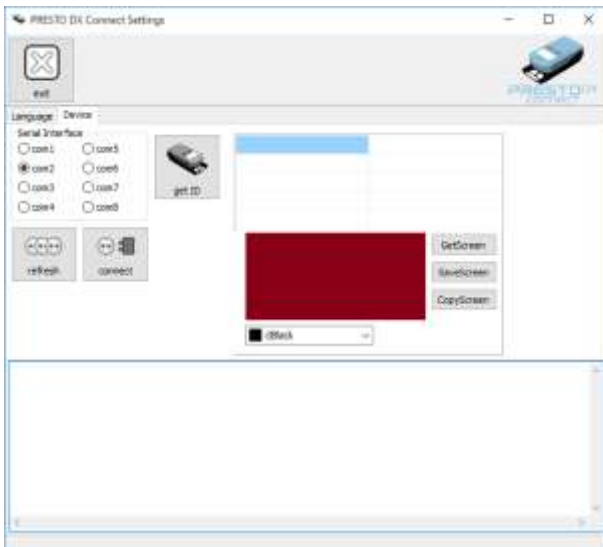
Open the Settings from the File/Settings Menu.

Select the language on the language Page

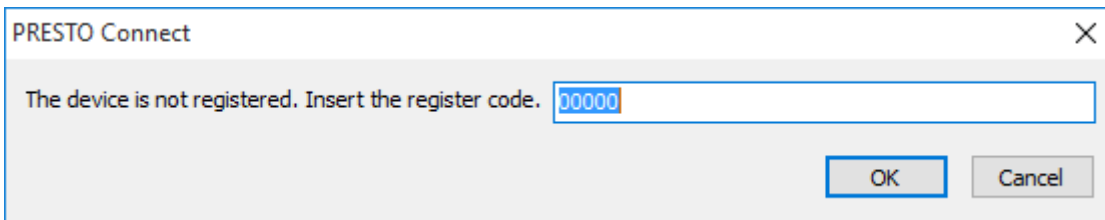
PRESTOConnect User Manual



Select the Device Interface parameters from the Device Page. Select the COM port and click connect.

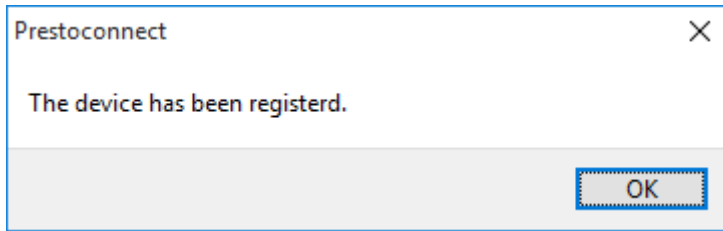


Click *refresh* and *connect* to connect to the PRESTO SPECTRO. Click *get ID* to register the PRESTO SPECTRO.



Insert the registration code and click OK.

PRESTOConnect User Manual

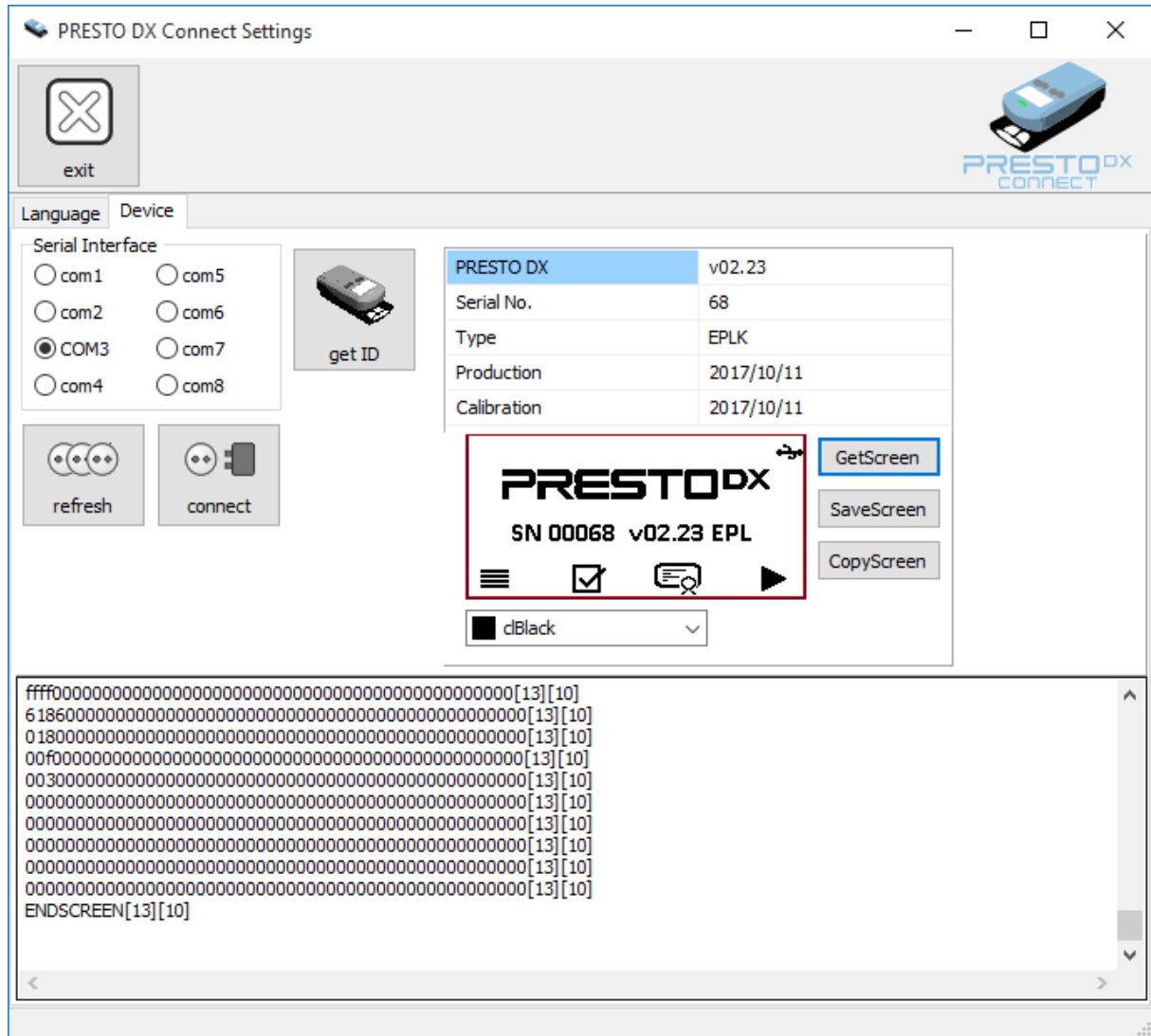


The PRESTO SPECTRO now is registered and the upload/download functions are enabled. Once the device is registered you can connect to the device by clicking the connect icon on the main screen.



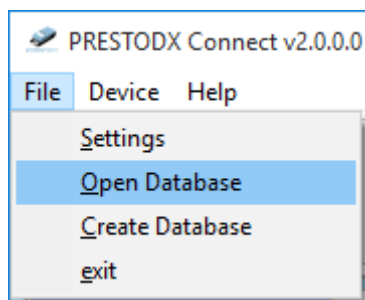
The Device Page of the Settings Window offers also functions to upload a screen shot of the current PRESTO SPECTRO screen. Click *GetScreen* to upload the screen. Click *SaveScreen* to save the current screen shot to a Windows Bitmap file. Click *CopyScreen* to copy the current screen shot to the Windows Clipboard.

PRESTOConnect User Manual



PRESTOConnect Database.

The PRESTOConnect stores colors, jobs and customer details in a database.



Select *Open Database* to open an existing database. Select *Create Database* to create and open a new database.

The database is composed of three tables

- Color Database

PRESTOConnect User Manual

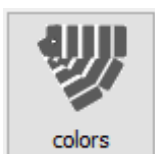
- Job Database
- Customer Database

Any database can be exported to an EXCEL Sheet by clicking the Export Icon in the database Window



The color database

The PRESTOConnect Software can store as many colors as required in a color database. Click the *colors* icon to open the color database.



Any color record in the colors database is defined by Lab values with delta E tolerance and CMYK densities, including the density tolerance.

The screenshot shows the PRESTO DX connect software interface. At the top, there are icons for 'measure', 'Export', and 'exit'. Below these is a 'List of colors' section with tabs for 'Jobs' and 'Customer'. A table of color records is displayed with columns for Name, L, a, b, dE, C, M, Y, K, D-Tol, Descr, and RGB. The table contains the following data:

Name	L	a	b	dE	C	M	Y	K	D-Tol	Descr	RGB
Cyan	55,76	-37,67	-49,17	3	1,25	0,313	0,107	0,642	0,05		
Magenta	51,68	69,38	-6,6	3	0,154	1,117	0,51	0,561	0,05		
Yellow	90,45	-4,82	89,34	3	-0,027	0,04	0,821	-0,009	0,05		
Black	20,59	1,65	4	3	1,42	1,487	1,599	1,394	0,05		
Red	50,65	64,43	41,91	3	0,158	1,113	1,296	0,561	0,05		
Green	52,17	-50,45	25,12	3	0,962	0,384	0,932	0,623	0,05		
Blue	32,3	7,92	-45,82	3	1,182	0,964	0,465	1,146	0,05		



A color can be added by adding a record and inserting the reference values and name.

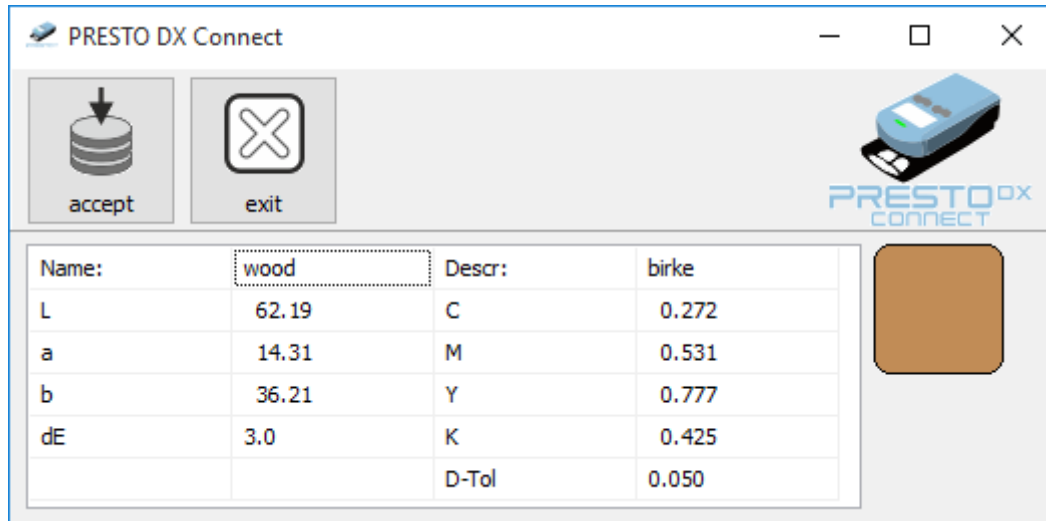
Add colors by measuring

Colors can be added as well by measuring a physical sample. Click the *measure* icon to open the measurement Window.

PRESTOConnect User Manual



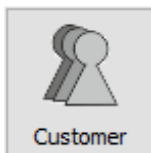
Measure the sample.



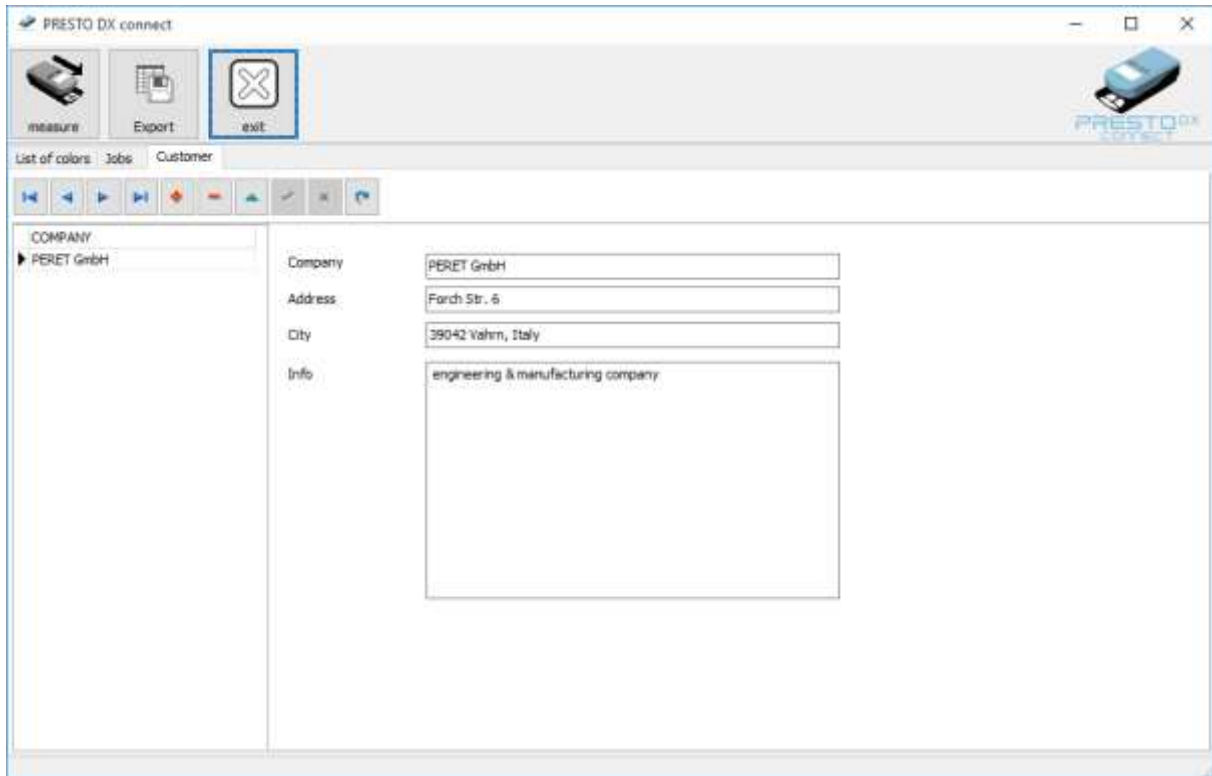
Insert the name and description for the color and click the *accept* icon to add the measurement to the database.

The Customer Database

Click the *Customer* Icon on the main screen to open the customer database



PRESTOConnect User Manual



The Job Database

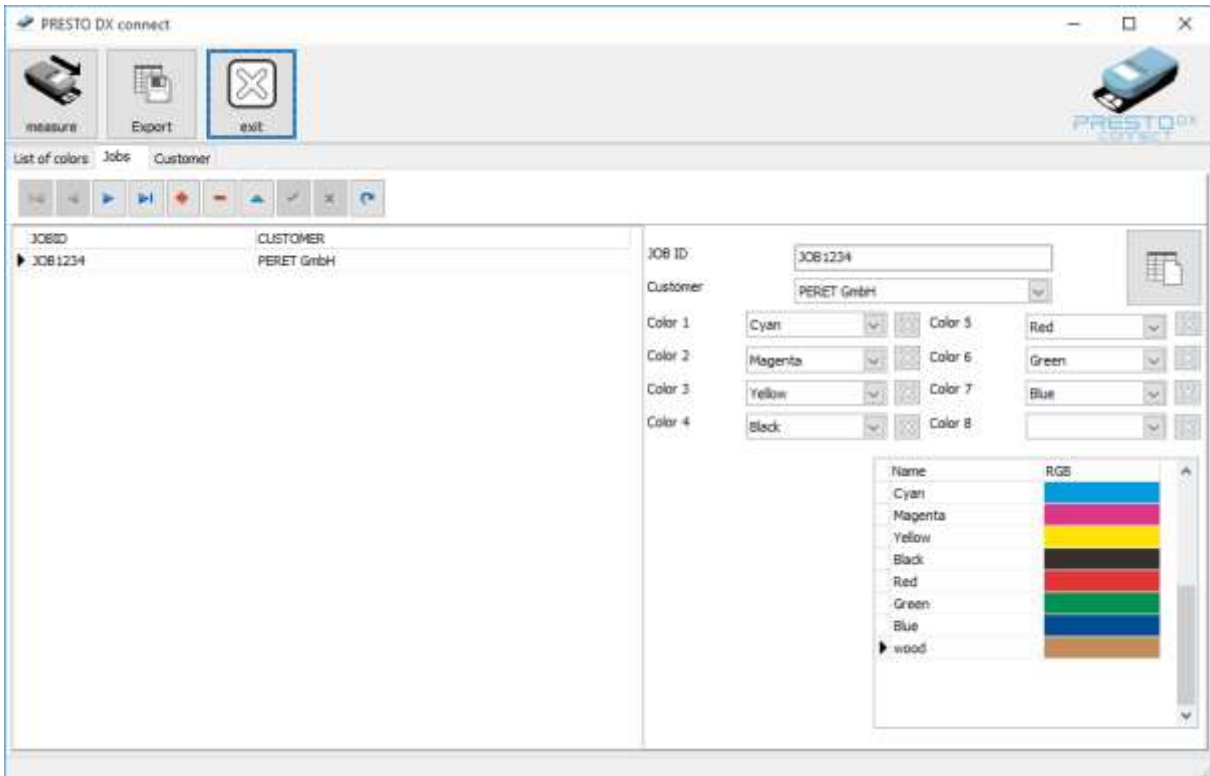
The PRESTO SPECTRO offers 4 color books with 8 colors each in its internal memory. The PRESTOConnect Software can be used to download a Job into one of the 4 books.


A Job is composed by up to 8 color specifications and assigned to a customer.

Open the Job Database by clicking the *Jobs* Icon on the main screen.

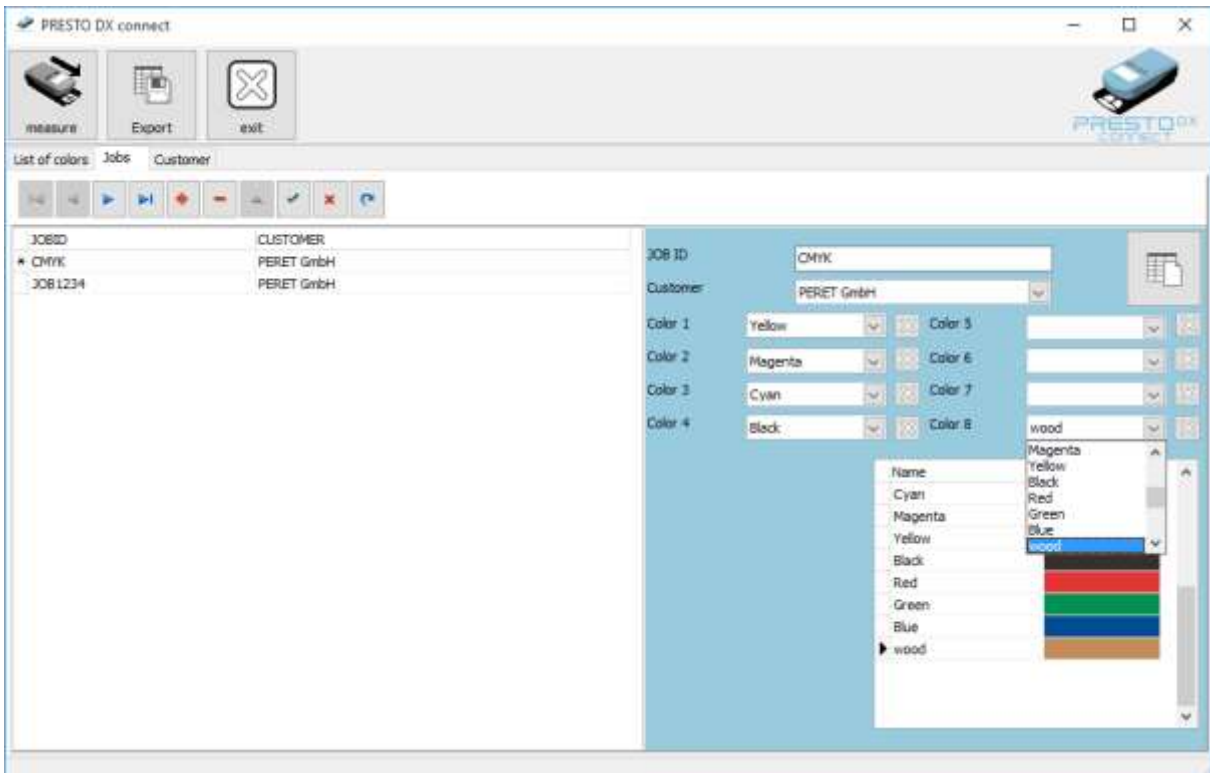


PRESTOConnect User Manual



Create a Job by clicking the  icon. A new record will be created in the database. Insert the Job ID and select a customer from the customers database.

Now select up to 8 colors from the drop down list or by drag&drop from the colors list.



PRESTOConnect User Manual



Click the Check Icon to permanently save the job in the database.

Configure the PRESTO SPECTRO using the PRESTOConnect software

Click the *connect* Icon to connect the PRESTO SPECTRO to the software



The PRESTOConnect will read out the PRESTO SPECTRO details and display them in a table.

PRESTO DX	v02.23
Serial No.	68
Type	EPLK
Production	2017/10/11
Calibration	2017/10/11

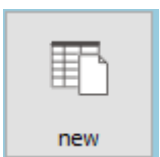
In case your device has not been registered, you will be prompted to enter the registration code.

Select the Color Book page Book A, Book B, Book C, or Book D.

Book A	Book B	Book C	Book D									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name	L	a	b	dE	CYAN	MAGENTA	YELLOW	BLACK
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									



Click the *upload* icon to upload the current color references of the currently selected color book.



Click the *new* icon to clear the table of the current color book

PRESTOConnect User Manual



Click the *clear* icon to empty all reference books in the device.

Prepare reference colors for a book

Select a color book page.

Drag&drop a Job from the *JOB ID* table to the *Book* table. All colors will automatically be copied to the table.

Drag&drop a color from the *List of Colors* table to a row of the *Book* table to add a color to a book.

Book A	Book B	Book C	Book D									
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Name	L	a	b	dE	CYAN	MAGENTA	YELLOW	BLACK
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cyan	55,76	-37,67	-49,17	3	1,25	0,313	0,107	0,642
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Magenta	51,68	69,38	-6,6	3	0,154	1,117	0,51	0,561
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Yellow	90,45	-4,82	89,34	3	-0,027	0,04	0,821	-0,009
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Black	20,59	1,65	4	3	1,42	1,487	1,599	1,394
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Red	50,65	64,43	41,91	3	0,158	1,113	1,296	0,561
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Green	52,17	-50,45	25,12	3	0,982	0,384	0,932	0,623
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Blue	32,3	7,92	-45,82	3	1,182	0,964	0,465	1,146
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	wood	62,19	14,31	36,21	3	0,272	0,531	0,777	0,425

Check any color that you wish to change or modify. Any color can be modified by taking a measurement, unless the color is looked.

Downloading reference data to one of the PRESTO SPECTRO books

Click the download icon to download the reference color specifications in the current book page to the proper book of the PRESTO SPECTRO








The PRESTO SPECTRO will automatically select the book and AUTO color detection.



The reference data is now available on the device

PRESTOConnect User Manual

L	55.8	C	1.250	↔
a	-37.7	M	0.313	
b	-49.2	Y	0.107	
ΔE	3.0	K	0.642	🔒
 Cyan	 M	 Y	 K	 X

If a color specification is “locked”, a lock icon is displayed. Locked color references can not be overwritten by measuring.

PRESTOConnect User Manual

BETA CONTACT INFORMATION

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Telephone: (201) 939-2400, 800-272-7336 (Toll Free)

Websites: www.betascreen.com , www.betascreen.net

[BetaColor Presto Spectro \(Spectro-Densitometer\)](#) (direct website link)

Email: sales@betascreen.com

Direct Technical Support: larry@betascreen.com

