



LINQ™ Color

FAQ

*PPG LINQ Color and PPG MagicBox are available for select customers today and will be available for additional customers in the months to come. To find out if it's right for you, talk to your PPG representative.



<p>1. What is PPG LINQ™ Color?</p>	<p><i>PPG LINQ Color</i> is an innovative cloud-based digital color software that delivers unprecedented improvements during the entire process of identifying the right color for a repair. It enables mixing through a variety of connected and wireless dispensing solutions.</p>
<p>2. What are the biggest benefits of PPG LINQ Color?</p>	<p>IMMEDIATE RESULTS: Find your color match anytime, anywhere. You can access <i>PPG LINQ Color</i> from any Internet-capable device, as it is an optimized cloud-based solution.</p> <p>DIRECT WIRELESS CONNECTIVITY: Clear up space in your mixing room with <i>PPG LINQ Color</i>. The system allows users to communicate with their spectrophotometers wirelessly, as well as connect to scales without the need for a PC via PPG MagicBox™ - a small device that links directly to scales and receives formulas from <i>PPG LINQ Color</i>.</p> <p>TIME SAVINGS: Save time with <i>PPG LINQ Color's</i> rapid search response, thanks to the power of cloud computing and PPG's proprietary algorithm.</p> <p>LIVE INFORMATION: PPG LINQ Color's live update and backup system gets you the latest information. There's no need for manual software updates with PPG's new formulas available right away, with the ability to save data, customer formulas and information to the cloud.</p> <p>NO INSTALLATION or TRAINING required: as a web application, it avoids long and difficult software installations, and the need for training on how to have PPG colors ready to be used..</p>
<p>3. What are the specific devices or software requirements needed to run this application?</p>	<p><i>PPG LINQ Color</i> is a web application, accessible from any connected device and optimized for mobile and tablet:</p> <p>Standard computer:</p> <ul style="list-style-type: none"> • MS WINDOWS® based (Personal Computers and TOUCHCMIX®) running Windows 7 or later • Apple Inc. Mac based and Linux based Personal Computers <p>Common tablets and smartphones:</p> <ul style="list-style-type: none"> • Android 10 or higher • IOS 15 or higher <p>Common browser (latest version is recommended):</p> <ul style="list-style-type: none"> • Microsoft Edge • Chrome • Safari

Explore the PPG LINQ™ Digital Ecosystem. Visit PPGLINQ.com

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	<p>Standard Internet connection: 10 Mbps tested as minimal speed, higher is recommended for a faster response, especially for sending and receiving information with peripherals (scales, spectrophotometers, printers)</p>
<p>4. Can PPG LINQ Color be used with all the instruments already in use with PAINTMANAGER®? Or do I need to buy new equipment?</p>	<p>PPG LINQ Color has been designed to work with all the latest PPG distributed devices:</p> <ul style="list-style-type: none"> • Kontron and TouchMix computers • Latest Sartorius scale (PMA Evolution) but also older models like PMA.7501(quality) and PMA.7500 • Latest Mettler scale (RPA455 and RPA345) but also older models like BPA252 • The new PPG DigiMatch™ spectrophotometer, the RAPIDMATCH® XI and GO (RapidMatch X-5 not supported) • Label printers Dymo, Seiko and Brother with labels format already supported in PaintManager XI
<p>5. Do users need any additional or specific hardware or software to fully use the application?</p>	<p>No specific software is needed to install to run PPG LINQ Color. Just open it from the browser on your device (PC, Kontron, TouchMix, smartphone or tablet) and start your color search.</p> <p>In order to connect devices, you can use two new, innovative devices:</p> <ul style="list-style-type: none"> • <i>PPG MagicBox</i>: a small, but powerful device, that communicates environmental conditions in mixing rooms, receives formulas, and sends spectrophotometer readings direct from <i>PPG LINQ Color</i>. • <i>PPG MagicApp</i>: a lightweight software app to manage device connections to your PC, Kontron or <i>TouchMix</i> computer.
<p>6. How I can access PPG LINQ Color?</p>	<p>For the initial distribution, please make a request to your PPG representative. A request form will later be available on PPG and <i>PPG LINQ</i> websites.</p> <p>The process is then easy: PPG personnel will approve your request and you will automatically receive a Welcome email including: the link to your regional <i>PPG LINQ Color</i> site, instructions on how to create a password, billing information, and authentication code.</p>
<p>7. Are all the functionalities available for use with PPG LINQ Color?</p>	<p>The use of functionalities depends on your subscription level.</p> <p>The initial launch will focus on the following functionalities (dependent on your subscription level)</p> <ul style="list-style-type: none"> • Color search • Ready For Use formulas • Mixing with scales • Spectrophotometer connection and color search workflow • PPG VisualizID™ <p>Where available, Ready for Use products suggestion based on temperature and humidity information collected from <i>PPG MagicBox</i></p>

<p>8. Are all paint lines available?</p>	<p>Yes, <i>PPG LINQ Color</i> works in a similar way as the <i>PaintManager</i> family software. All the PPG color formulas and ready for use information are available, and you can customize your access by enabling or disabling lines visible for the most focused results.</p>
<p>9. How complex is it to install and connect devices?</p>	<p>One main goal of <i>PPG LINQ Color</i> is to reduce the installation complexity. Instruments need to be connected to communicate and use them, and with <i>PPG LINQ Color</i> that is easy.</p> <ul style="list-style-type: none"> • If using <i>PPG MagicBox</i>: this small device simply has two USB ports to plug in a scale and/or a spectrophotometer. Connect it to Internet and then “register” with its serial number in <i>PPG LINQ Color</i>. The connection with the box is done and the instruments connected to it will be automatically available to be used. This entire process can be done in few minutes. Please refer to the <i>PPG MagicBox</i> documentation for details. • If using <i>PPG MagicApp</i>: this is a small application. You do not need to change your hardware structure (PC + scale and/or spectrophotometer and/or label printer connected). Open <i>PPG LINQ Color</i>, download and install the software (only 20MB) in a few minutes. It will start automatically and search for devices connected - without any specific installation process.
<p>10. I have a lot of variants, is there a way to reduce the list. Is still possible to compare variants if the color has a lot?</p>	<p>Yes. In <i>PPG LINQ Color</i> there is a filtering area also for variants. You can focus on the ones you are most interested in (i.e., Lighter than prime/N.1) and exclude the others.</p> <p>And like the <i>PaintManager</i> software, you can compare up to 4 variants at a time to see the differences in the formulas and make your decision.</p> <p>The compare feature can also run using <i>PPG VisualizID</i>, to see the visual difference between two variants.</p>
<p>11. How can I be sure my scale or spectro is connected? Especially before starting a mix, if the scale is far from me.</p>	<p><i>PPG LINQ Color</i> shows an indicator on the top bar:</p> <ul style="list-style-type: none"> • Green – all devices that are connected are ready to use, • Red – at least one device is not connected, with the indication of which one has a problem.
<p>12. What about if I do not want to pour the formula immediately, but save it for later mix?</p>	<p>There is a “Mix Later” button available. If searching for a formula and decide to mix later, it will be listed in the MixQueue.</p> <p>MixQueue is accessible from the main menu by its dedicated button. The list of “pending” mixes is available and you can retrieve your formula and then start the mix by sending it to the scale.</p>
<p>13. How can I use a clear or an undercoat, or add a reduction to my color formula?</p>	<p>Add the clear or the primer directly from the formula page or by selecting the Ready for Use button from the home screen. You can also define your favorite RFU formulas to find them faster in the future. If you have used the <i>PaintManager</i> software before, this is a similar process.</p>

14. What about Ready for Use with temperature and humidity? Is this possible?

Yes, by using *PPG MagicBox*. This instrument includes an internal sensor to retrieve the rooms temperature and humidity.

PPG has also created MagicSensor, an additional sensor connected via Bluetooth to the *PPG MagicBox* that can be placed somewhere else in the bodyshop.

For example, the *PPG MagicBox* is in the mixing room, and the MagicSensor is placed in the spray booth. *PPG MagicBox* collects the temperature and humidity from the MagicSensor and continuously communicates this information to *PPG LINQ Color*.

When you start a RFU search, this new functionality uses this data to suggest the correct product and ratio based on the spray booth environment.

For initial launch, this is limited to clear and selected products.

15. I need to search a color by spectro reading, how I can download it?

You can download the reading with *PPG MagicBox* or PPG MagicApp.

PPG MagicApp is a lightweight piece of software that automatically recognizes devices connected to the PC. Put the spectrophotometer back on the docking station or plug into the USB cable after the reading. PPG MagicApp will recognize the spectrophotometer has been reconnected and automatically start downloading from the device and uploading to *PPG LINQ Color*. In approximately one minute, you will have the new reading shown in *PPG LINQ Color*. This is also true for *PPG MagicBox*.

This is dependent on regional availability.

16. When searching by spectrophotometer, do I need to insert the OE code? Or will it work without it?

Particularly for metallic colors, the OE code is important and highly recommended, due to effect pigments.

You will get the best search results by using it as a variant selector, within the same color code.

17. How are the results from the spectrophotometer presented? Is there any indication on effectiveness of the results?

A maximum of 10 results are presented. They are ranked by Match Rating, a value that indicates the closeness to the target. The lower it is, the closer it is to the target. Plus, a texture indicator (EC) for the metallic colors.

Using the OE code, there is also a green/yellow indication: green -the match rating is already in a range of "blendable", while yellow – it is best to check.

Please refer to the "*PPG LINQ Color + PPG VisualizID* FAQ" for more specific information on search results with *PPG VisualizID*.