Buyers PRODUCTS COMPANY

PROConnect™ PROGRAMMER SOFTWARE MANUAL

Part Number 8890001



Rev.1.1_210906

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◤Chapter 1: PROConnect Programmer Overview

1-1. Introduction

Efficient Programming & Decreased Installation Time

The PROConnect programming software allows use for express programming of the PROConnect-ready lightheads. Setting files are created on any PC, then saved / stored on a portable module, allowing uploading of user-defined settings on the fly (Save), or remain connected to a PC (Express) and upload the setting directly to the lightheads with the module in-line. Settings can also be saved to the PC. Setting flash patterns, color modes & groups/phases without the tedious wire tapping methods of previous models will significantly improve installer efficiency,saving both time and money.

The PROConnect Programmer has two programming modes, **“Express”** and **“Save & Send”**:

① ***Express Mode:*** *Configure your lightheads directly from PC:*

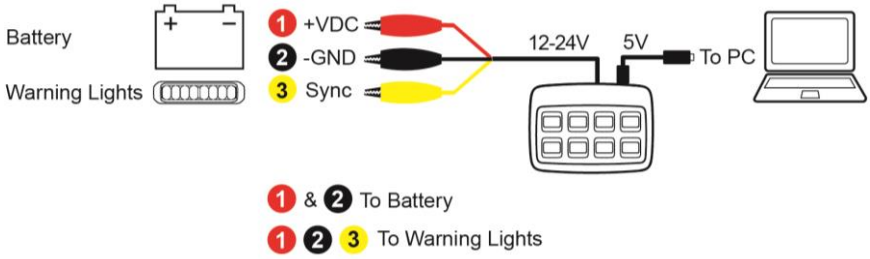
- Through a host PC, where the PROConnect UI / software resides, send user-defined settings into lightheads directly. See **6-1** (p.8) for detailed instructions

② ***Save & Send Mode:*** *Export your settings to the PROConnect Programmer:*

- Through a host PC, export user-defined settings to the PROConnect Programmer, allowing mobile / "on the fly" programming. See **6-2** (p.9) for detailed instructions.

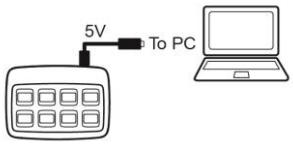
1-2. Wiring

① ***Express Mode:*** *Program lighthead(s) with Programmer & lightheads connected to PC.*

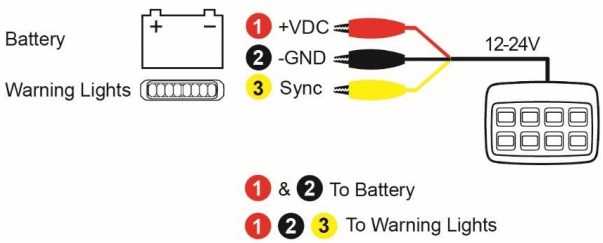


*** Note:** Power Source for PROConnect Programmer and lightheads must be the same.

② ***Save & Send Mode:*** *Export settings to PROConnect Programmer for mobile / "on the fly" programming*



*** Note:** PC supplies power to your PROConnect Programmer via a USB-C cable **(w/ data transfer capability)**, allowing export of settings to the module itself. To upload settings to the lighthead(s), both the PROConnect Programmer and the lightheads must be connected to the same12V power source.



*** Note**: Source of power (e.g. vehicle battery) for PROConnect Programmer and lightheads must be the same.

Chapter 2: Software Installation & Main Interface

2-1. Software Installation

Step 1. Download software from the support utility via the QR Code.

https://qr.buyersproducts.com/code/GetCode/36FA816F692043859241B05271BD70B5

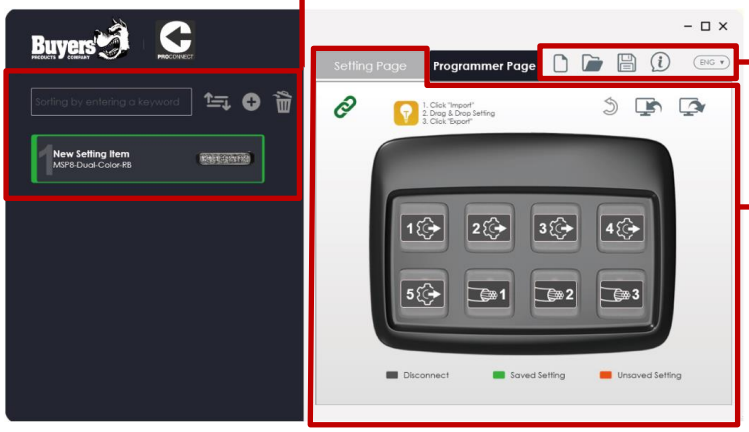
Step 2. Double-click the file named “Setup.exe”.

Step 3. Follow the instructions presented by the installation wizard.

Note: Contact our tech support line if you are having issues.

2-2. Overview: Main Interface

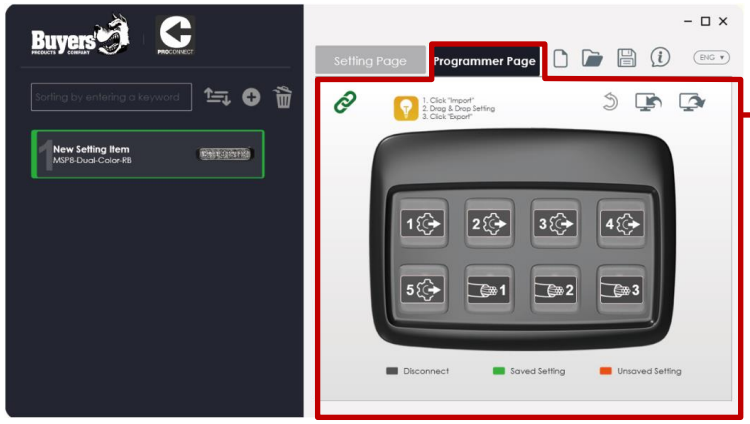
Click and run the “PROConnect Programmer Configuration Utility”. The Main Interface will open up.



Setting Item Pool
Sort/Create/Delete a setting item.
See **Chapter 4** (p.6) for detailed instructions.

File Center
Create/Open/Save a PROConnect setting file (.bc) and Update the software version of your PROConnect.
See **2-3** (p.4) for detailed instructions.

Setting Page
Set Flash Pattern / Group (Phase) / Color for the selected lighthead and designate its wire functions.
See **Chapter 3** (p.5) for detailed instructions.



Programmer Page
Import / Export selected setting items from / to your PROConnect Programmer.
See **Chapter 5** (p.7) for detailed instructions.

2-3. File Center



① *New (Create a New Configuration File)*

- Click to create a new configuration file.

② *Open (Open an Existing Configuration File)*

- Click to select an existing configuration file (.bc) from your PC.

③ *Save*

- Click to save the current / in progress setting file to your PC.

④ *About*

- Click to show the current version of PROConnect Programmer Configuration Utility & the firmware version

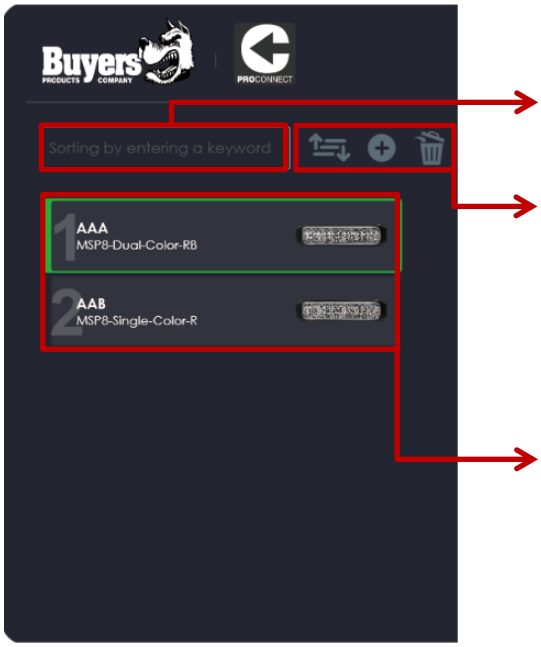
  of connected PROConnect Programmer.
- Click on **[Update Software]** to ensure you're working with the latest software version..
- Click on **[User Manual]** to download User Manual.

⑤ *Language*

- Click to select the language of PROConnect Programmer Configuration Utility.

Chapter 3: Setting Item Pool

3-1. Overview: Setting Item Pool



Sorting by Entering a Keyword
Enter a keyword here to search for certain setting item(s), e.g. Product model, Dual, and RB for color.etc.

Sort ↑ /Sort ↓ /Create /Delete

: Sort all setting items from Z to A.

: Sort all setting items from A to Z.

: Create: Create a new setting item.

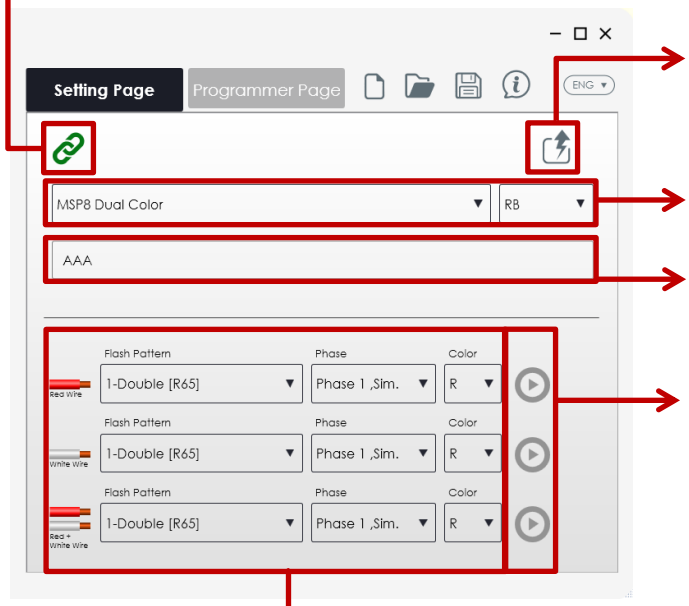
: Delete: Remove selected setting item(s).

Setting Item Pool
Shows all settings that have been created during the active session.
Tip: Use “Control + A” as a shortcut to select all items.

Chapter 4: Setting Page

4-1. Overview: Setting Page

***IMPORTANT*: Always Check Connection Status First! THE USB-C CORD MUST BE CAPABLE OF DATA TRANSFER!**



Connection Status

indicates your PROConnect Programmer is connected and ready for action.

indicates your PROConnect Programmer is not connected, please check its connection to host PC. See 7-1 (p.11) for detailed instructions.

Express

Click to send current setting to your lighthead(s) directly(straight from PC, bypassing upload to portable module).See 4-2 (this page) for detailed instructions.

Lighthead Profile

Select Product Model and LED Color of lighthead being programmed.

Setting ID:

Name your setting.
(e.g. product name + installation position)

Play Button

Click for a visual preview of created settings.

Note: This button is enabled only after you run Express to configure your lighthead(s).
LIGHTHEAD MUST BE CONNECTED TO PROCONNECT PROGRAMMER AND PC, & POWERED BY COMMON 12V SOURCE.

Wire Functions

Select Flash Pattern/Phase/Color for each wire.

4-2. Express

The EXPRESS button allows for quick, efficient programming, while also providing the option to view your newly created settings (via the lighthead itself). Don't like the effect you've created? Make changes and click the icon again, then press play.

① *Configure Your Lighthead Directly (Express)*

***IMPORTANT*:** See 1-2 (p.3) for proper wiring first.

- Create a new setting item and configure product profile and wire functions.
- Click to send the settings to your lighthead directly via PROConnect Programmer.
- The lighthead(s) will display a short flash to indicate all settings have been sent successfully.

Note: This method bypasses saving of files to the PROConnect Programmer.

File(s) can be saved to PC for future use.

② *Demo / Preview Your Setting of Each Function Wire*

- Click to view the current settings for each function wire.

Note: Play Buttons will be disabled by clicking another setting item, any drop-down list, or button on Programmer Page. Remember to Click the **Express** button to enable the Play Buttons.

Chapter 5: Programmer Page

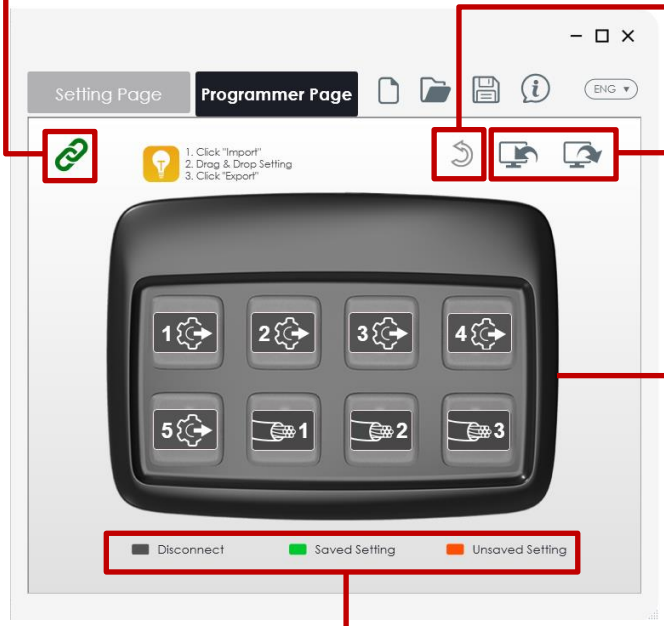
5-1. Overview: Programmer Page

Connection Status

indicates your PROConnect is connected and ready for action.

indicates your PROConnect Programmer is not connected, please check its connection to the host PC.

See 7-1 (p.11) for detailed instructions.



Undo Button

Click to undo the last move you have changed.

Import / Export

Import: Click to import previously saved setting items from the PROConnect Programmer to this software.

See 5-2 (this page) for detailed instructions.

Export: Click to export newly created setting items to the PROConnect Programmer. See 5-3 (p.8) for detailed instructions.

Program Save Buttons:

There are five memory buttons that can be used to save settings.

Button Status

Disconnect: Button is inactive & available for new setting storage. Programmer will be in this state out of the box.

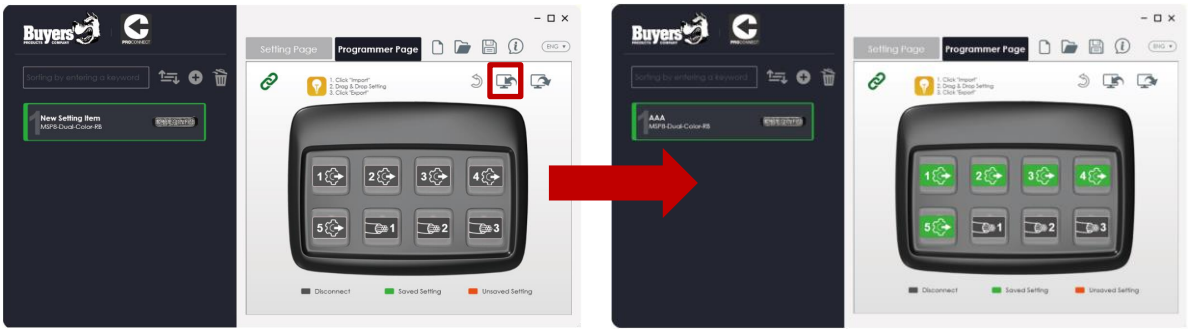
Saved Setting: Indicates previously exported, or already saved settings.

Unsaved Setting: Indicates import of setting item that has yet to be saved. Once saved, the new setting will overwrite the existing setting after to programmer and turning the button to green.

5-2. Import Settings from Programmer

IMPORTANT: See 1-2 (p.3) for proper wiring first.

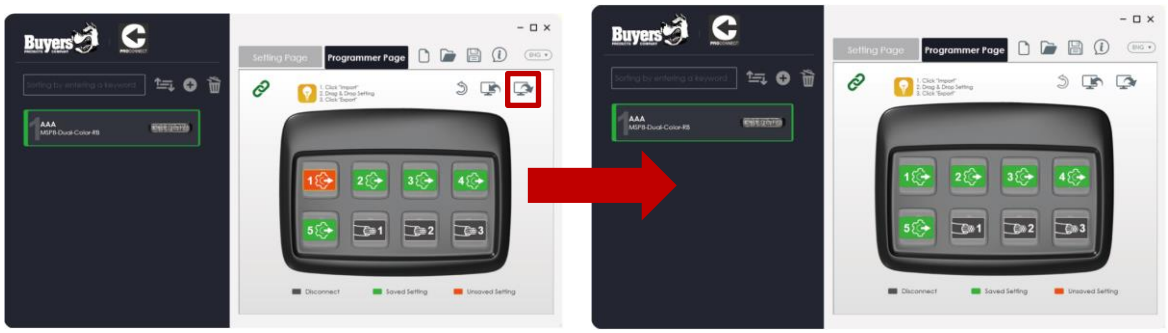
- Click to import all saved setting items from your PROConnect Programmer.
- The button(s) will turn green, indicating all settings have been imported successfully.



5-3. Export Settings to Programmer

IMPORTANT: See 1-2 (p.3) for proper wiring first.

- Drag and drop one setting file to the desired memory button on Module rendering. The button status will change to orange if reload of new setting is successful.
- Click to export new settings to your PROConnect Programmer. The new setting items will overwrite the existing settings saved in PROConnect Programmer. The button status will change from orange to green, signifying successful export.



Chapter 6: Example/ Scenarios

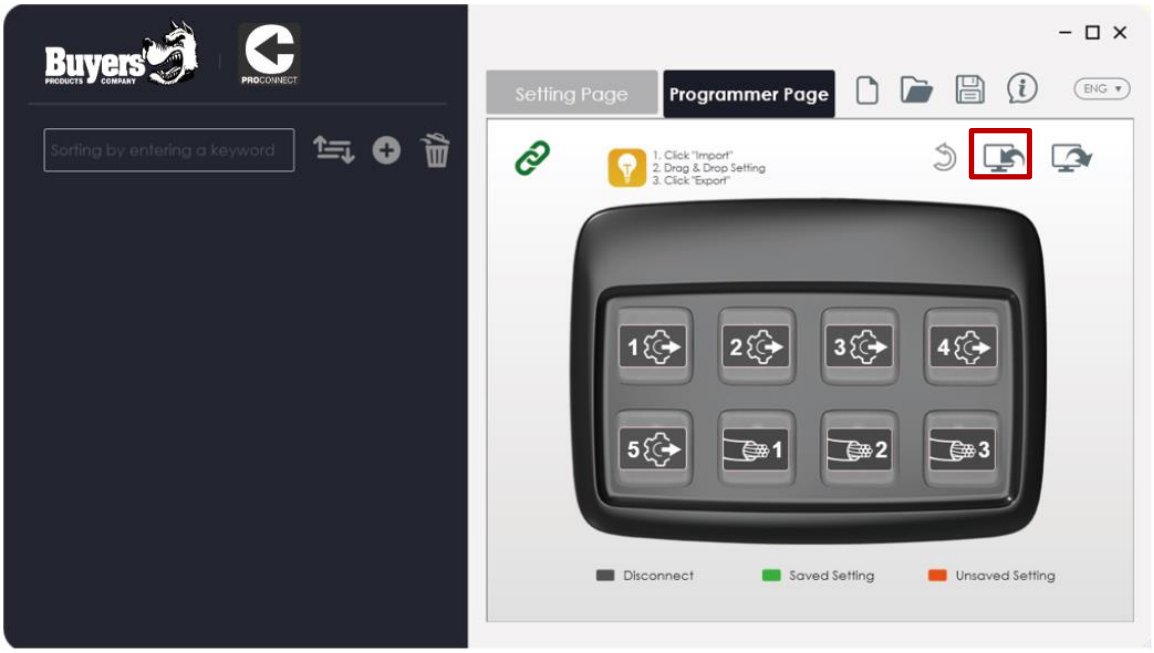
6-1. Scenario 1: How to Save a Setting Item to My PROConnect Programmer?

Step 1. Wiring and connection.

Follow the wiring instructions in 1-2 (p.3, ②Save & send Mode: Save) to connect PROConnect Programmer to your PC. Check the connection status is connected !!

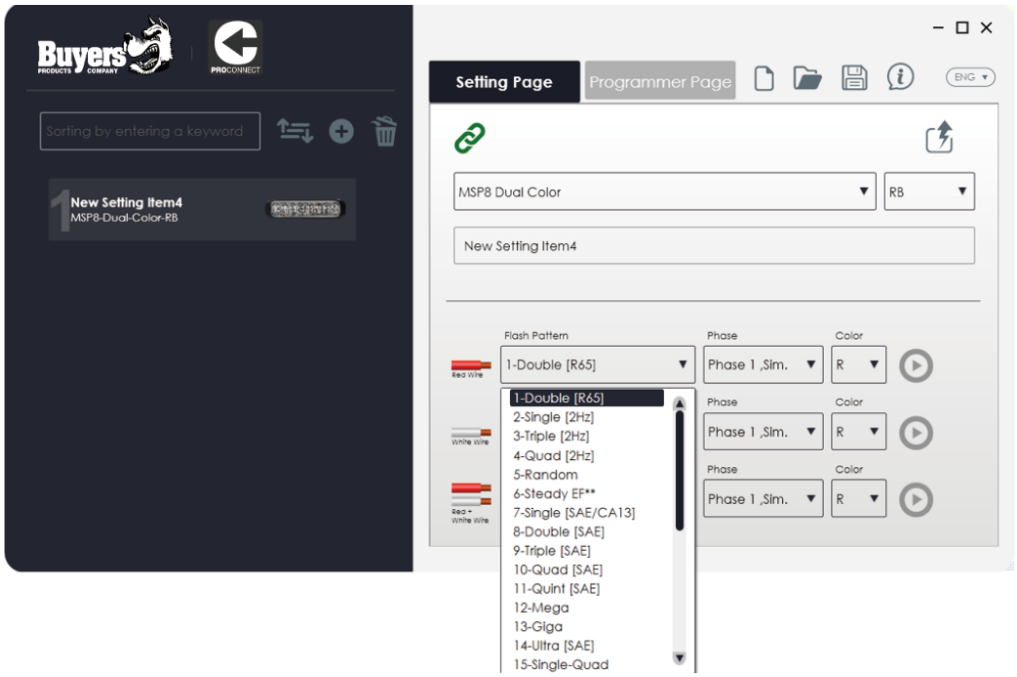
Step 2. Import current setting items.

- Click to import all saved setting items from your PROConnect Programmer.
- The button(s) will turn green, indicating all settings have been imported successfully.



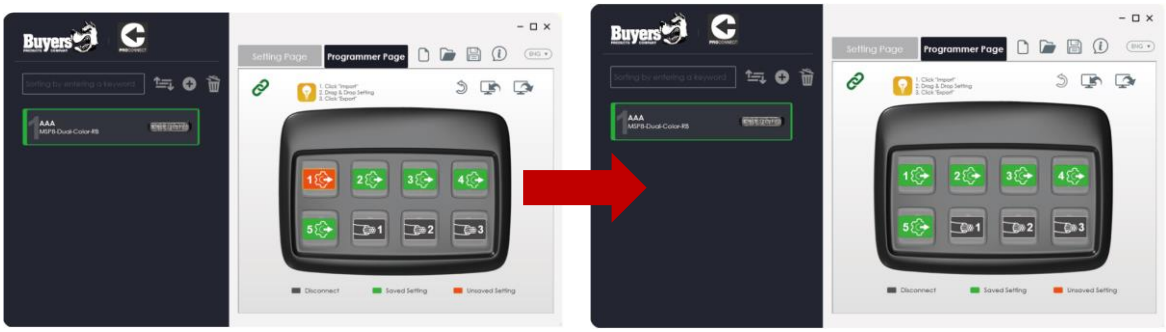
Step 3. Create and edit your setting item.

- Return to Setting Page.
- Click ⊕ to create new setting.
- Select your product model & LED color(s)
- Name the setting and set wire functions.



Step 4. Save and export setting to PROConnect Programmer

- Return to Programmer Page. Drag and drop your new setting item to first memory button on Programmer Panel.
- Click to overwrite existing settings(if any) saved in PROConnect Programmer.
- The button status will turn into green if importing is succeeded.



6-2. Scenario 2: How to Configure Lightheads with My PC Directly (Express)?

Note:Via Express, there is no need to export the setting items to your PROConnect Programmer for sending.

Step 1. Wiring and connection.

Follow the instructions in **1-2** (p.3, ①Express) to connect a lighthead, 12V power source and PROConnect Programmer to your PC. Check the connection status is connected

Step 2. Create and edit your setting item.

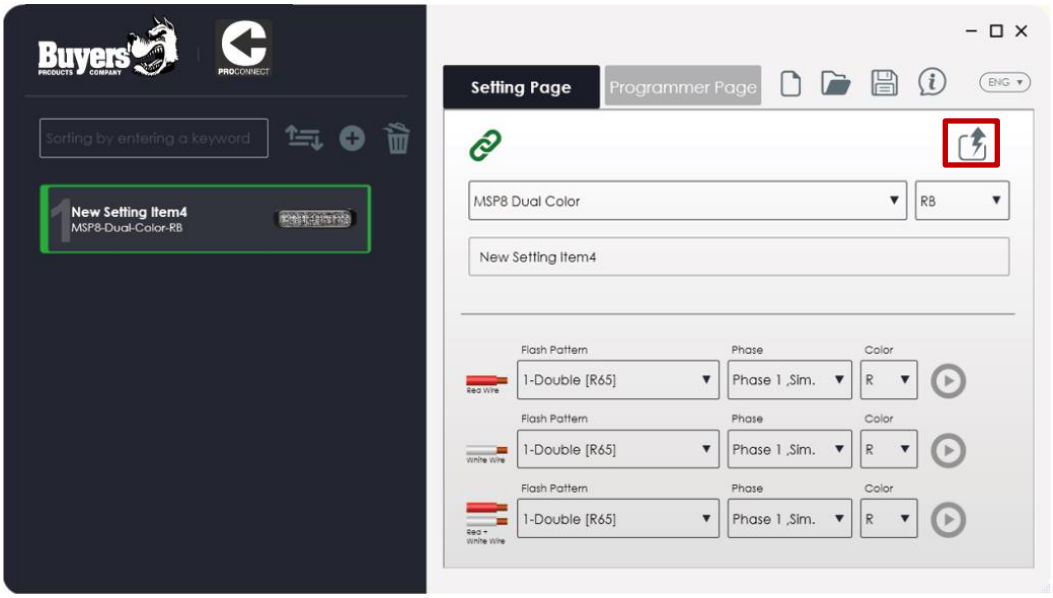
-Under Setting Page, create a new setting item in Setting Item Pool.

-Select product model & LED colors.

-Name the item and select wire functions.

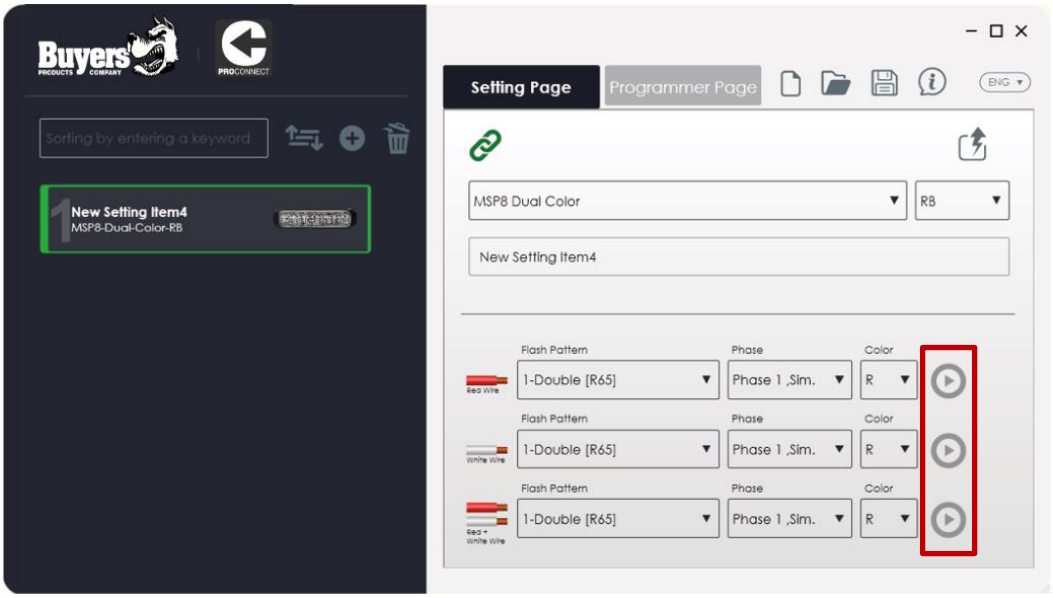
Step 3. Click to bend new setting directly to the connected lighthead.

The lighthead will display a short flash to indicate all settings have been sent successfully.



Step 4. Check setting of each function wire.

- Click to activate the lighthead, providing a visual of the current settings for each function wire.



6-3. Scenario 3: How to Configure Lightheads by PROConnect Programmer without a Host PC?

Step 1. Make sure you have save setting item(s) on your Programmer! Or follow the instructions in

6-2 (p.9-10) to export the setting item to the desired button on your PROConnect Programmer.

Step 2. Wiring and connection.

Follow the instructions in 1-2 (p.3, ②Save & Send Mode: Send) to connect a lighthead, 12V power source and the PROConnect Programmer.

Step 3. Press desired button on PROConnect Programmer to start sending.

- The lighthead will display a short flash to indicate all settings have been sent successfully.

Chapter 7: Trouble Shooting

7-1. FAQ

Trouble	Possible Causes	Solution
Failed to get started	Lacking power supply Inadequate power supply Wrong connection	See 1-2 (p.3) for proper wiring. Check the input voltage range of your lightheads & PROConnect Programmer before supplying power.
	Software out of date	Download the latest software from the support utility via the QR Code. https://qr.buyersproducts.com/code/GetCode/36FA816F692043859241B05271BD70B5
Connection failure	USB connection failure	Check the connection of USB-C cable. The cable must allow for data transfer.
	Old software version	Follow the instructions in 2-3 ④ About (p.5) to update your software version.
Failed to import/export the setting item(s) from/to PROConnect Programmer	Programmer is busy	Make sure you have turned off demo (play) buttons on your programmer and / or Software .
	Old software version	Follow the instructions in 2-3 ④ About (p.5) to update your software version.
Unexpected configuration result	Wrong product model is selected	Check the product model you have selected. If wrong one is selected, choose the correct product model.

WARRANTY

Buyers Products Co. warrants all truck/trailer hardware manufactured or distributed by it, to be free from defects in material and workmanship for a period of one year from date of shipment. Parts must be properly installed and used under normal conditions. Any product which has been altered, including modification, misuse, accident or lack of maintenance will not be considered under warranty. Normal wear is excluded. The sole responsibility of Buyers Products Co. under this warranty is limited to repairing or replacing any part or parts which are returned, prepaid, and are found to be defective by Buyers Products Co. Authorization from Buyers Products Co. must be obtained before returning any part. No charges for transportation or labor performed on Buyers' products will be allowed under this warranty.