

PRO Control System

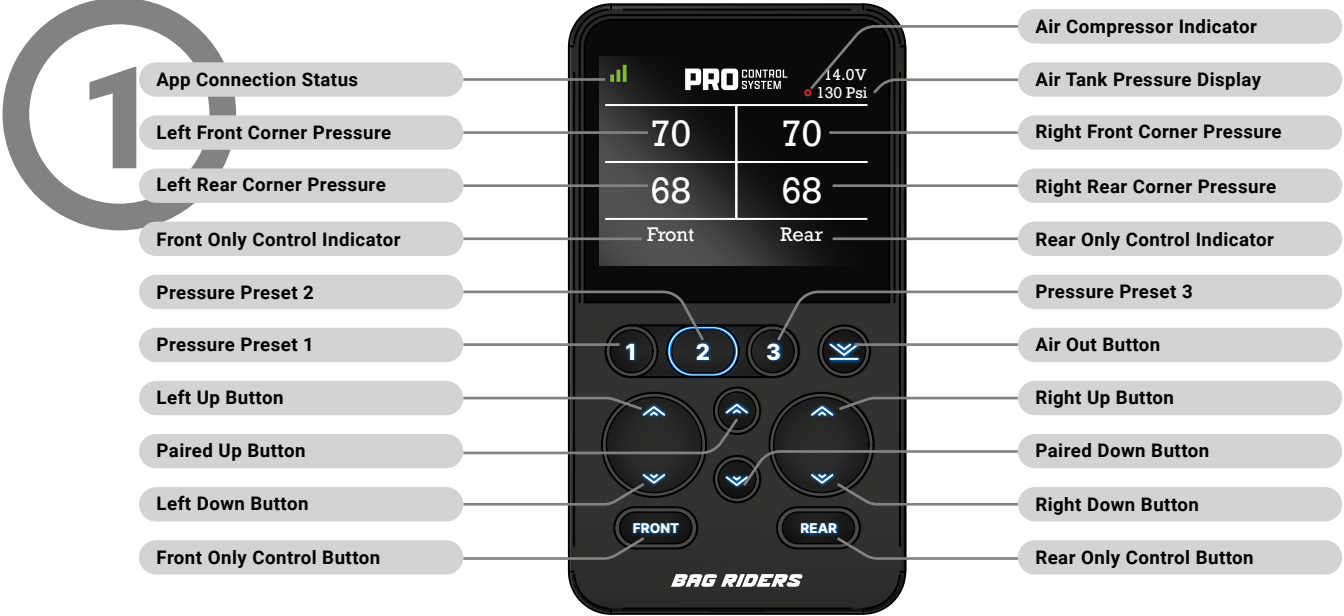
Instruction manual



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Controller Layout



- App Connection Status**  
Connected Not Connected  
This indicator tells you if your PRO Control System has established a connection with your mobile app.

**Left / Right Front Corner Pressure**  
Pressure of left / right front air spring.

**Left / Right Rear Corner Pressure**  
Pressure of left / right rear air spring.
- Pressure Preset 1 | 2 | 3**  
Easy pressure presets you can return to anytime.

**Left Up / Right Up Buttons**  
**Left Down / Right Down Buttons**  
Use these buttons to adjust air pressure of individual air springs.

**Air Out Button**  
Use this button to automatically release all air pressure from all 4 air springs at the same time.
- Paired Up / Down Buttons**  
Use these buttons to adjust the air pressure of both front or rear air springs at the same time.

**Front Only / Rear Only Buttons**  
Use these buttons to select which pair of air springs are adjusted when using individual or paired control buttons.

**Air Compressor Indicator**  
This red dot appears when your compressor is active.

**Air Tank Pressure Display**  
This shows you the current pressure in your air tank.

Adjusting Your Pressure



- Front**

When the **FRONT** button is pressed, the controller is unlocked. The **FRONT** button as well as the **Front** indicator on screen will turn red. This indicates that you are now adjusting pressure of the front air springs.

Press **FRONT** again to re-lock.
- Rear**

When the **REAR** button is pressed, the controller is unlocked. The **REAR** button as well as the **Rear** indicator on screen will turn red. This indicates that you are now adjusting pressure of the rear air springs.

Press **REAR** again to re-lock.
- Front & Rear**

When the **FRONT** & **REAR** buttons are pressed, the controller is unlocked. The **FRONT** and **REAR** buttons as well as the **Front & Rear** indicators on screen will turn red. This indicates that you are now adjusting the front and rear air spring pressures simultaneously.

Press **FRONT** & **REAR** again to re-lock.

Manual Adjustment



- Front Right & Left Air Spring Adjustment**

When **FRONT** button is selected:

Press up or down arrow to adjust pressure for the **FRONT** right or left air spring individually.

Press up or down arrow to adjust pressure for the **FRONT** right and left air springs simultaneously.
- Rear Right & Left Air Spring Adjustment**

When **REAR** button is selected:

Press up or down arrow to adjust pressure for the **REAR** right or left air spring individually.

Press up or down arrow to adjust pressure for the **REAR** right and left air springs simultaneously.
- Front & Rear Air Spring Adjustment**

When **FRONT** & **REAR** buttons are selected:

Press or to adjust pressure for both **FRONT** & **REAR** air springs simultaneously.

Presets



- Pressure Preset Buttons**

The four buttons in this section of the controller all function as presets. 1, 2, and 3 can be defined by the user and the last button will always be the air out preset. **The controller must be unlocked to use or to save any preset.**

To unlock controller either **FRONT** or **REAR** button must be selected.
- Saving Pressure Presets**

After making adjustments to reach your desired pressure settings, press and hold any of the 3 buttons for 5 seconds to save these settings as a preset.

**Preset Saved** will pop up in the top left corner of the screen indicating you have successfully saved a preset.
- Using A Pressure Preset**

Unlock controller.

Select your desired preset.

**Preset Reached** will pop up in the top left corner of the screen indicating you have successfully reached your preset.

Presets Continued



- Air Out**

Unlock controller.

Hold for 3 seconds to release ALL pressure from air springs.

Button will illuminate red when fully aired out.
- Overwriting Pressure Presets**

If you would like to change an existing preset, simply set your desired pressures, then hold any of these 3 buttons for 5 seconds and your new preset will be set to the given number.

**Preset Saved** will pop up in the top left corner of the screen indicating you have successfully saved a new preset.
- Failed Pressure Preset**

It is possible that your system will be unable to reach a pressure preset due to certain operating conditions, such as low air tank pressure. If this occurs, **Preset Failed** will pop-up in the top-left corner of the screen, indicating that the preset was not successfully reached. Ensure your air tank is at the maximum pressure before trying again.

Settings Menu



- Opening the Settings Menu**

Hold **FRONT** & **REAR** simultaneously for 3 seconds to enter the settings menu.
- Navigating The Settings Menu**

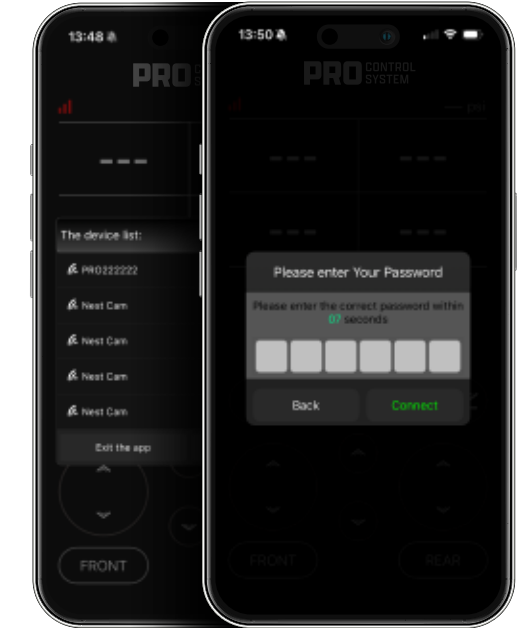
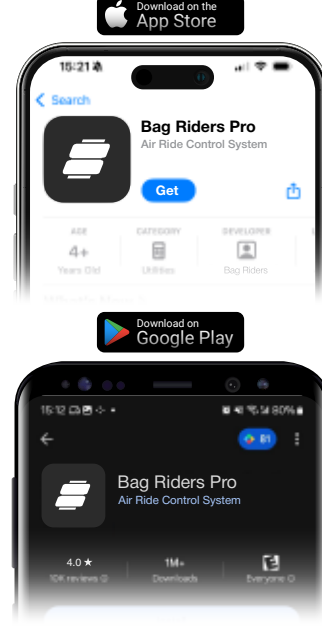
Press & to navigate through the settings menu. The selected option will be highlighted in white.
- Navigating Options**

Press & & to scroll through the options for the current setting. The selected option will be highlighted in red.

To adjust another setting, use the up & down arrows indicated in figure 14.

Press **REAR** to exit





Minimum Tank Pressure

Set a pressure for your compressor to **TURN ON** at. Selection range: 110-210 PSI  
*\*To raise minimum tank pressure, first increase the maximum.*

Maximum Tank Pressure

Set a pressure for your compressor to **TURN OFF** at. Selection range: 130-230 PSI  
*\*Recommended operating tank pressure is 200PSI or less in order to be safe and compatible with all components.*

Front/Rear Weight Adjustment

For the best results when trying to reach presets, we recommend testing both High load and Low load for the front and rear of your car. You may find that one setting improves your system's ability to consistently hit your desired height.

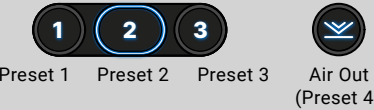
NOTE: Vehicles with sleeve-style air springs will always benefit from being inflated **ABOVE** your preset, before pressing a given preset button.

Ignition On/Off Presets

If assigned, the system will automatically attempt to reach the selected preset when the vehicle's ignition is turned on, or off.

Selection options: Preset 1-2-3-4

KEY:



Serial Numbers

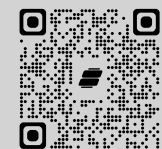
**R-ID: PRO000000**  
Controller Bluetooth module serial number

**S-ID: PRO000000**  
Manifold serial number

**PWD: 000000**  
Remote control Bluetooth password

Download App

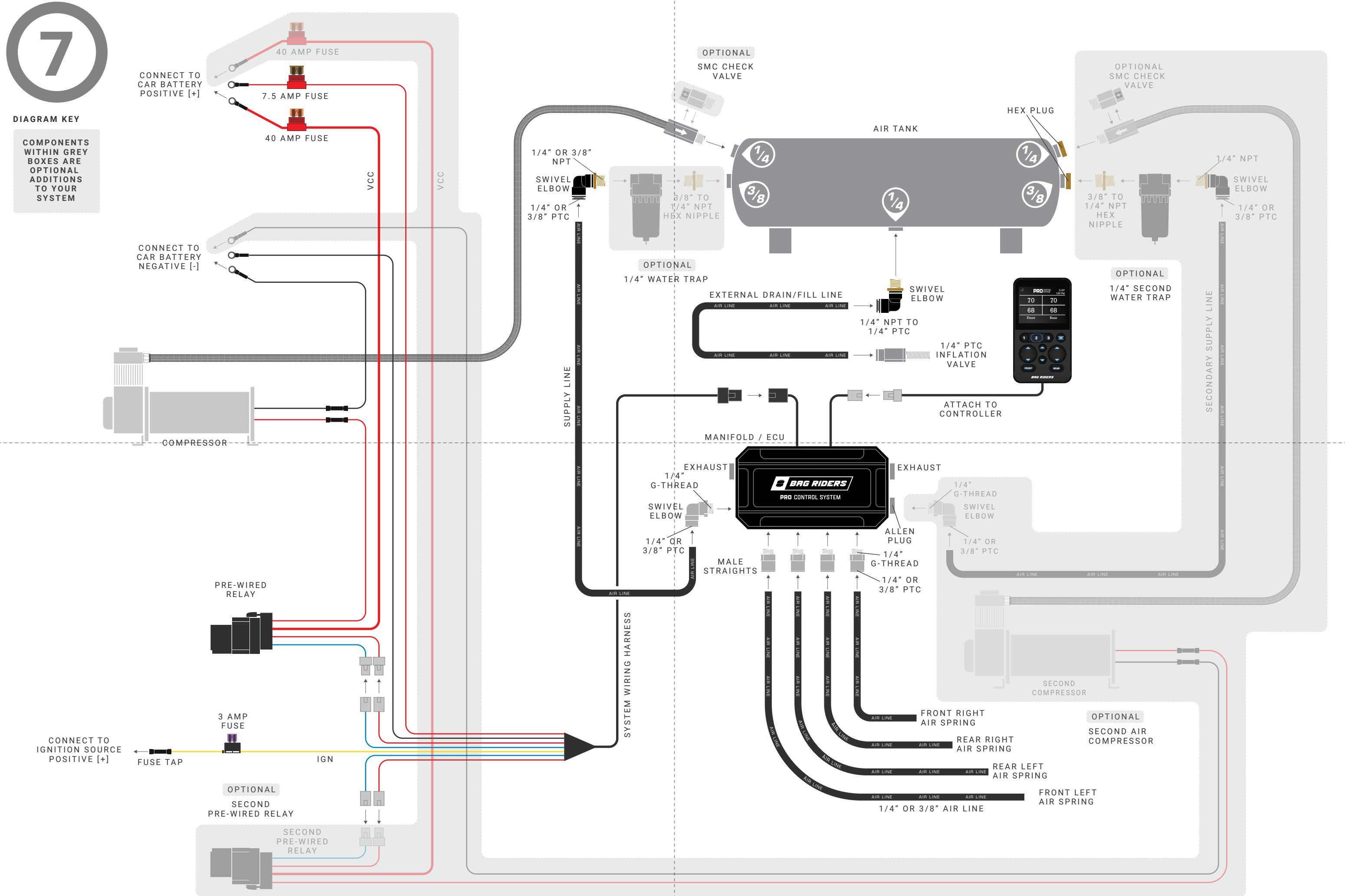
Scan the QR Code below to find app download links. Available for iOS and Android.



App Pairing

- When you use the app for the first time, the Bluetooth device list will pop up. Tap the Bluetooth device and select the serial number that matches your PRO Control System. This will be the R-ID serial number displayed on top left of the wired controller when the Settings Menu is open. (Figure 19)
- Once you have selected the Bluetooth device, a password prompt will pop up. Enter your password to start using the app. The password (PWD) can be found on top left of the wired controller when the Settings Menu is open. (Figure 19)

Wiring & Plumbing Diagram



Manifold / ECU Mounting



Mounting Instructions

Mounting points are located at each corner of the underside of the manifold / ECU. Use these threaded holes to anchor your manifold to your mounting surface using the included hardware. If you require longer hardware (not included), the thread pitch of these holes is M4x0.7.

In order to make mounting your manifold / ECU as straightforward as possible, we have created an easy-to-use, printable drilling template. Instructions for downloading the drill template are found to the right.

Mounting Template

Scan the QR to access the Bag Riders PRO Control System Manifold / ECU Mounting Template PDF. Print the PDF and follow the instructions to ensure proper mounting.

