



# BLUETOOTH HYDRAULIC SUSPENSION CONTROLLER INSTRUCTIONS

## What's in the box?

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- Bluetooth Control Unit (BCU)
- BCU Wiring Loom

## Installation

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Begin by removing your existing hydraulic switch panel. You will need to access the switch prongs in order to provide the correct signals to the BCU.

Every lowriders switch panel is wired in its own unique way, so the best option is to use a multi-meter to figure out which prongs trigger each pump and dump. You will need this information to wire up the BCU wiring loom as described in the pinout section.

The only way the controller can work correctly is by giving the BCU a unique signal for each pump and dump. You only need to connect the pins applicable to your setup - However, you must not connect any BCU wire to a single prong shared by multiple pumps or dumps.

If this is the case, you will first need to upgrade that switch to one with more prongs and separate the wires. Note, this can happen beyond the switch you are taking the signal from if there is a jumper wire to another switch, so check all your switches carefully first.

### Switch Wiring Loom Pinouts:

- **PIN 1:** 24v Power
- **PIN 2:** Ground
- **PIN 3:** Front Left Pump **OR** Single Front Pump **OR** Single Pump
- **PIN 4:** Front Right Pump
- **PIN 5:** Rear Left Pump **OR** Single Rear Pump
- **PIN 6:** Rear Right Pump
- **PIN 7:** Front Left Dump **OR** Single Front Dump **OR** Single Dump
- **PIN 8:** Front Right Dump
- **PIN 9:** Rear Left Dump **OR** Single Rear Dump
- **PIN 10:** Rear Right Dump

Once you have finished attaching the BCU wiring loom terminals to the prongs of your switches and the ground wire to a good quality earth shared by your rack - You must first test the plug!

You can do this by ensuring your hydraulics are active (safety disconnect is connected) then remove the orange dust cap on the plug with a small flat head screwdriver and check PIN 1 for 24v with a multi-meter.

No other pins should have any live power until you hit a switch. If they do there is an issue with your wiring and you will know about it as a pump or dump will activate immediately upon reconnecting your safety disconnect. You must not connect the BCU until it has been resolved or damage can occur.

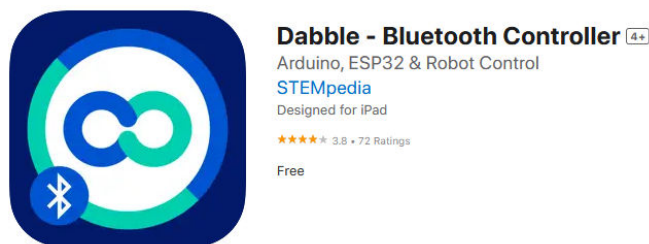
If all your wiring checks out, refit the orange dust cap and undo your safety disconnect. It is now safe to plug in the BCU and secure it where you would like it to remain in the vehicle. You can then reactivate your hydraulics (reconnect safety disconnect) and you should see the BCU's voltage meter light up signalling that it is active.

It is now safe for you to operate your hydraulics as normal from your manual switches and when you remove your safety disconnect the BCU will also power off. It is now simply a part of your switch circuit and remains inactive until you connect to it via Bluetooth.

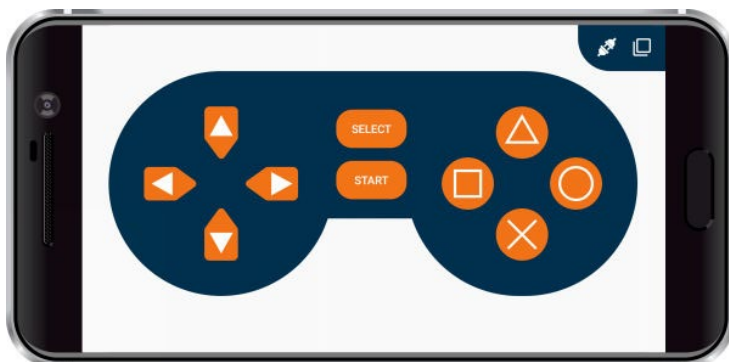
## Getting started

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To use the Bluetooth controller, grab your iOS or Android device and head to the app store. You will need to download the following app:



Once downloaded, launch the app and select 'Gamepad'. Then ensure that you are close to your lowrider and your hydraulics are active (so that the BCU is powered on).



Tap the plug icon to connect your device via Bluetooth to the BCU:



When asked to select a device, choose **HOMIES HYDROS** and enter your unique password, which you will have been provided with separately for your vehicles security.

**WARNING:** Once connected, your gamepad is now live! Be aware that your vehicle will move as soon as you tap a button on the device's gamepad.

Your device should now automatically connect to the BCU each time you launch the app with your hydraulics active. If it does not, simply click the plug icon and reconnect it.

That's it! Enjoy your new Homies Hydros Bluetooth hydraulic suspension controller.

**DISCLAIMER:** This is a niche product targeted at consumers who are familiar with hydraulic suspension and the way in which it operates. We take no responsibility for any damage or injuries caused when using our products in conjunction with your custom vehicle. With anything of this nature, we strongly advise that the installation should be carried out by a qualified professional.

## **Technical support**

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Having issues? The quickest way to reach out to us is via email:

**[support@homieshydros.com.au](mailto:support@homieshydros.com.au)**

We are more than happy to help troubleshoot any issues that you may be facing.

Whilst we do not offer any warranty on a custom product of this nature, we will always do our best to ensure that you have a trouble-free experience when using our products.

## **Changed your setup?**

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Did you purchase your Bluetooth controller for a 2 pump setup but now you've changed to 4 pumps or some other combination?

Your BCU will need to be re-flashed in order to work correctly.

We provide this service for just \$50 USD and it can be done remotely, all you will need is a USB printer cable and a PC with an internet connection that allows us to re-flash the BCU software via remote access.

Once completed, you will need to adjust your switch wiring by referring back to the pinouts and your Bluetooth controller will be back in action!