

R-COMMANDER 2

RPM CONTROLLER

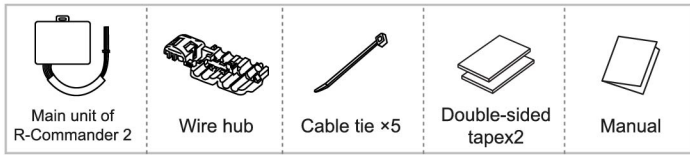


INSTRUCTION MANUAL

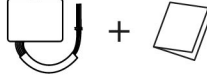
ver.0.0.1

CONTENTS

The following pictures may be different from reality, they are just only for the reference.



- Please attach the user's manual to the product when transferring to others.



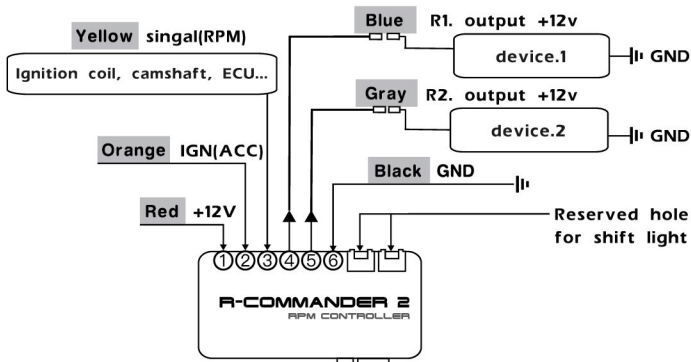
FEATURES

- R-Commander 2 is an upgraded version of the Honda VTEC controller, continuing its functionality.
- It adopts a high-speed computing chip core, providing real-time display of engine speeds for 1 to 50 cylinders.
- It features a two-stage rpm trigger and over-rev light function.
- The output rpm can adjustable, supporting four modes: continuous and intermittent slow and fast.
- The setting range is from 1000 to 9900 rpm, with adjustments in intervals of 100 rpm.
- Its sleek design and user-friendly operation make it widely compatible with 12V vehicles.
- It is suitable for applications such as electromagnetic valves, over-rev lights, etc., for expansion.

IMPORTANT

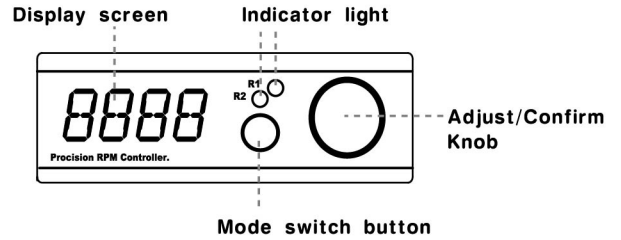
- Please thoroughly read the manual before installation to ensure easy setup of the RPM Commander2.
- Please note that the output current ampere must not exceed 1A.
- The output device has large current requirements, please use a relay.
- When connecting the line, please ensure that the device is not over-powered to avoid the risk of accidental short circuit.
- When completing the rpm setting, the output interval frequency needs to be set.
- After the initial installation is completed, the number of cylinders needs to be set.
- The output terminal is +12V, so the application device needs to be grounded by itself.
- Do not damage the surface of the wire to avoid sparks caused by short circuit, poor contact, etc.
- Please use tape to insulate and secure the wiring properly.
- To avoid unfamiliarity with the installation or wiring work, it is recommended to entrust a professional store to install it.
- Do not process, disassemble or modify this product.
- Incorrect installation and damage to the contents will void the warranty.

INSTALLATION

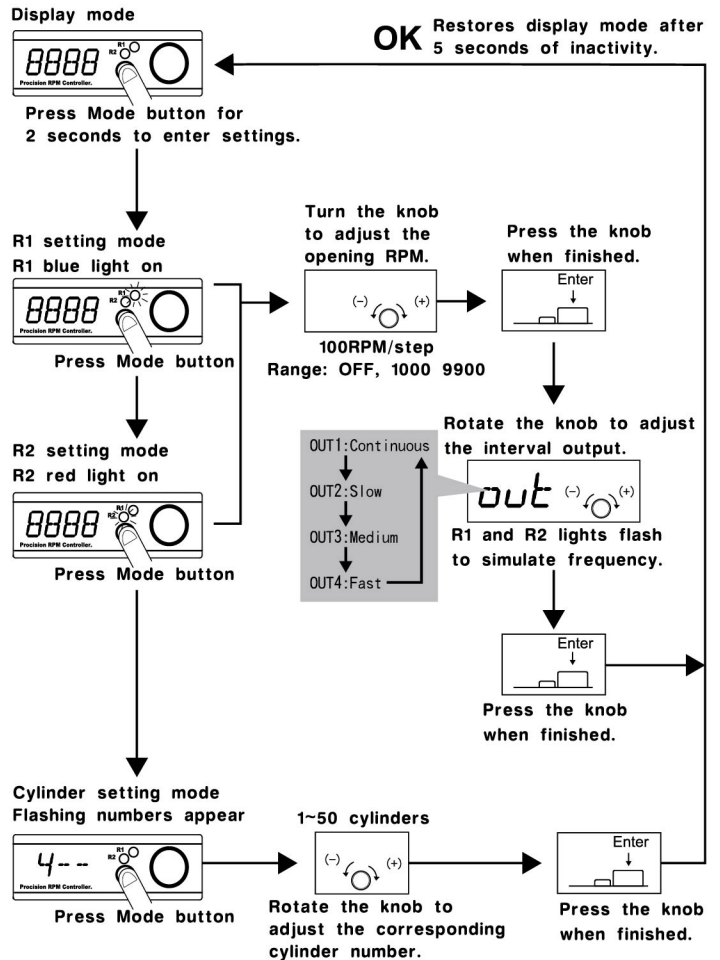


Num	Wiring	Function
①	Red	+12V
②	Orange	IGN (ACC)
③	Yellow	signal(RPM)
④	Blue	R1.output 12V(1A)
⑤	Gray	R2.output 12V(1A)
⑥	Black	GND

FUNCTION



OPERATIONS



TROUBLESHOOTING

When you think the machine is faulty, please confirm the following items before sending it for repair:

Problems	WHY	Confirm items
No activity displayed upon power up.	Poor contact between the controller and vehicle equipment circuits.	Recheck each wire connection.
Incorrect RPM signal displayed on the screen after power up.	1.Incorrect or poor contact of RPM signal wire tapping position. 2.Incorrect cylinder number setting.	1.Reconfirm the correct RPM signal tapping position. 2.Re-enter cylinder number settings.
Unable to control output device smoothly.	1.Incorrect output wiring method. 2.Incorrect settings for R1 and R2.	Check the wiring positions according to the manual.
Unstable output voltage condition.	Poor grounding of the output device.	Check the positive and negative connections of the output device.

When the product needs to be repaired, please collect the product body and accessories and return them to the original place of purchase.