

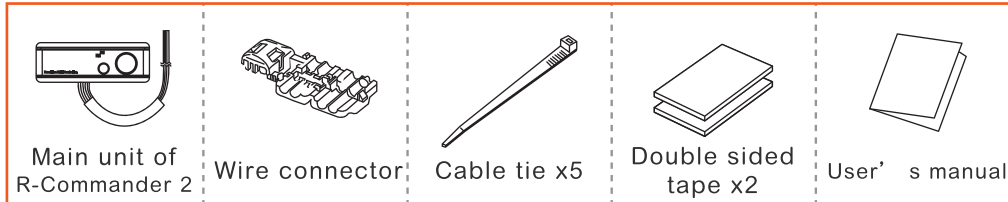
# R-COMMANDER 2 DIGITAL RPM ACTIVATED SWITCH CONTROLLER

Ver.0.0.1

SW10165

## ► CONTENTS

Only for reference, it might be different from real parts.



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

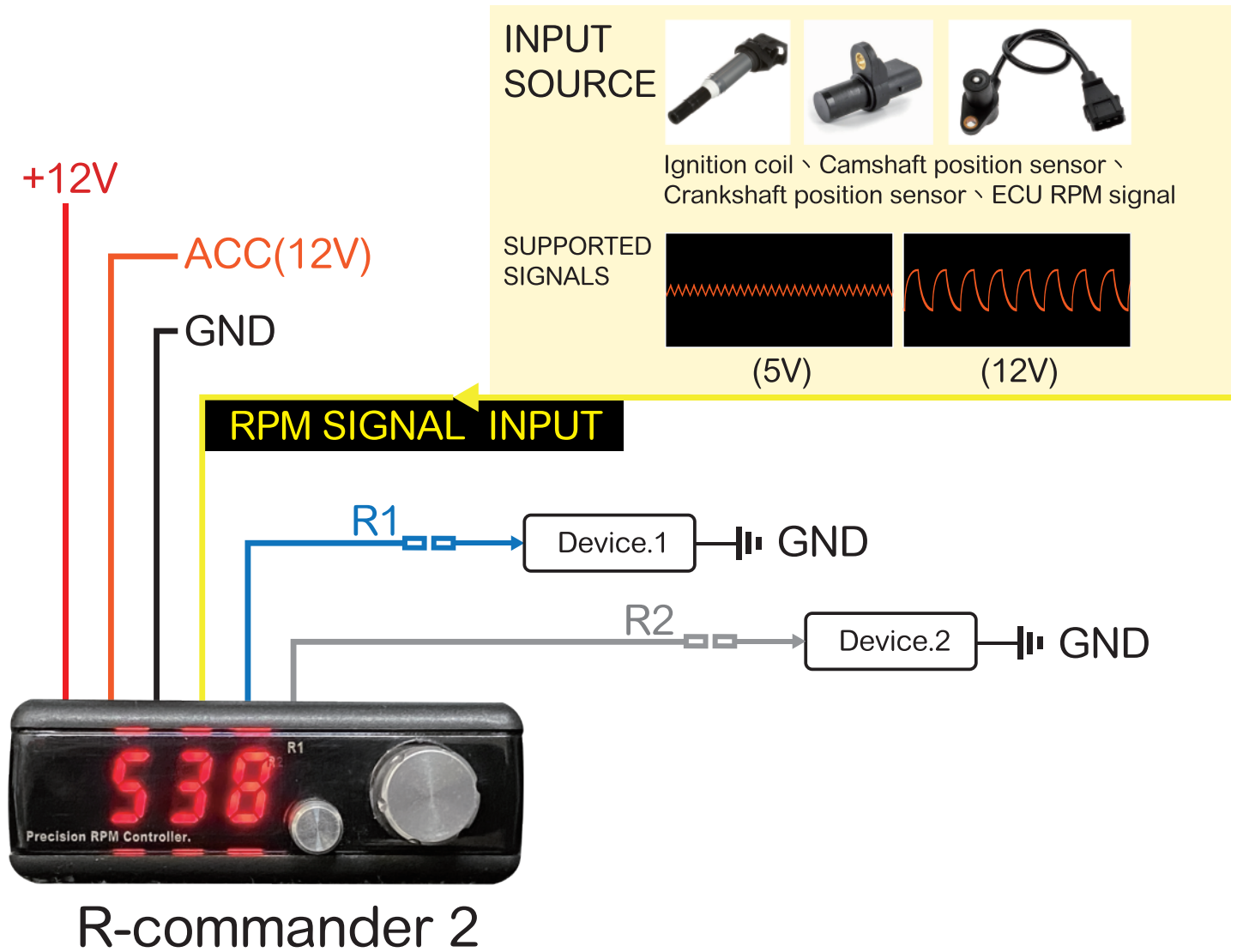
## ► FEATURES

- R-Commander 2 is an upgraded version of the Honda VTEC controller, continuing its functionality.
- It is suitable for applications such as electromagnetic valves, over-rev lights, etc., for expansion.
- 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 adopts a high-speed computing chip core, providing real-time display of engine speeds for 1 to 50 cylinders.

## ► IMPORTANT

- Please note that the output current ampere must not exceed 1A.
- The output device has large current requirements, please use a relay.
- The output terminal is +12V, so the application device needs to be grounded by itself.
- 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.
- When connecting the line, please ensure that the device is not over-powered to avoid the risk of accidental short circuit.

# ► INSTALLATION INSTRUCTION



## ► OPERATION INSTRUCTION

Digital RPM Display

Status Light



Adjustment/  
Confirm Knob

Mode Switch

### Enter settings

Press and hold the Mode Switch button for 2 seconds to enter settings.



Press  
knob



Press  
knob

**R1** ☀ Adjust flashing mode

out 1	Constant	—————→ (+12V Trigger)
out 2	Slow Flash	— — — — —→
out 3	Medium Flash	- - - - -→
out 4	Fast Flash	- - - - -→

**R2** ☀ Adjust flashing mode

out 1	Constant	—————→ (+12V Trigger)
out 2	Slow Flash	— — — — —→
out 3	Medium Flash	- - - - -→
out 4	Fast Flash	- - - - -→

Use the knob to adjust cylinder count (frequency) in 1 – 50 steps to match engine RPM.

- Returns to display mode after 5 seconds of inactivity.

## Troubleshooting

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

Problems	WHY	Confirm items
No display after powering on.	Poor connection between controller and vehicle wiring.	Please confirm all wires are securely connected.
Incorrect RPM reading after powering on.	1. Incorrect RPM signal wire tapping point or poor connection. 2. Incorrect cylinder count setting.	1. Recheck correct RPM signal tapping position. 2. Re-enter the correct cylinder count setting.
Output device cannot be properly controlled.	1. Incorrect output wiring method. 2. R1/R2 settings are incorrect.	Refer to the manual to confirm correct wiring configuration.
Unstable output voltage.	Poor grounding of the output device.	Check the polarity and grounding condition of the connected device.

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



Address: NO.163 Fan-Hwa Road, Chin-Hsin Village, Hsiu-Shui, Chang Hwa, TAIWAN  
Tel: +886-4-7681140 Fax: +886-4-7698587 E-mail: info@autojaw.com

Copyright 1999-2025 AUTO JAW CO,LTD ALL Rights Reserved.

