



Designed and
Engineered
in the UK. 

GEN12V Universal Ignition Generator with 2 Delay Outputs



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Technical Support?

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DISCLAIMER

The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.

Features

- Universal - compatible with any vehicle
- Generates 2 independent 12V outputs - IGN sensing & REM sensing signal
- Customisable delay time of 0-5 seconds (power on) & 0-5 minutes (power off) for each output
- Supports 12V Ignition, 12V Permanent & Ground
- Perfect for the installation of aftermarket head units & handsfree phone kits

Product Information

The GEN12V provides two switched outputs, the IGN output and the REM output, each rated at 250mA continuous current

- The IGN output is driven by monitoring the vehicle battery voltage. Once the product is programmed, the output will turn on and off in conjunction with the vehicle engine running status:

(engine running IGN = ON, engine off = IGN = OFF)

Please be aware that if the alternator shuts down, the IGN output will also turn off as the system voltage drops. To prevent this, the 'OFF' delay time can be set to defer turn-off.

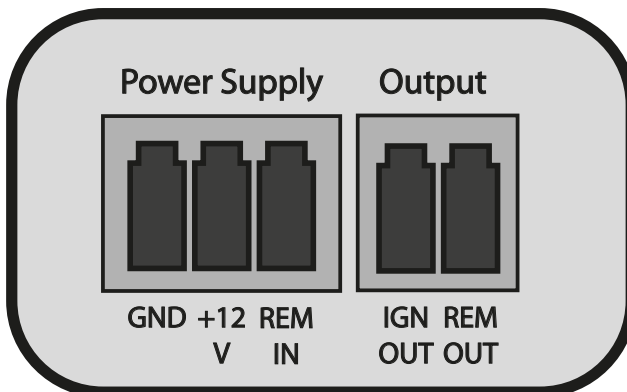
To use the IGN output, the IGNI-GEN.2 product must first complete a learning process as detailed on Page 3.

- The REM output is completely independent of the IGN signal, sensing and responding only to the REM input.

The GEN12V also provides the option of setting the delay on and off times for both outputs if required ('ON' Delay 0-5sec / 'OFF' Delay 0-5min).

Without adjusting the delay times, the product will switch on/off in approximately 2 seconds which is suitable for most purposes.

Connection Diagram



Learning Process

To use the IGN output, the vehicle must first complete a learning process to understand the vehicle's ignition signal.

1. Start the engine and press the 'IGN' button for 5 seconds.
The IGN LED will flash 0.75s on and 0.25s off.
The product will now evaluate the electrical system with the engine running. This will take ~1 minute.
2. Once complete, the IGN LED will stay on. Stop the engine and briefly press the 'IGN' button.
The IGN LED will now flash 0.75s off and 0.25s on.
The product will now evaluate the electrical system with the engine turned off This will take ~1 minute.
3. Once complete, the IGN LED will illuminate for ~2 seconds before switching off.

The learning process is now complete.

Note: All information is automatically stored in permanent memory once the learning process is complete

Setting Delay Time

To Adjust the 'ON' Delay

1. Briefly press the 'IGN' button, the LED will begin to flash
2. Press the 'IGN' button to increase the delay time.
[Each button press during this period will add 1 second to the ON delay (up to a maximum of 5 seconds)]
3. Once the desired delay time has been set, wait for 5 seconds and the LED will confirm the selected time by flashing once for each second.
4. To reset the delay time to 0, briefly press the 'IGN' button and wait for the LED to stop flashing.

To Adjust the 'OFF' Delay

1. Press the 'IGN' button for 2-3 seconds, the LED will begin to flash
2. Press the 'IGN' button to increase the delay time.
[Each button press during this period will add 1 minute to the OFF delay (up to a maximum of 5 minutes)]
3. Once the desired delay time has been set, wait for 5 seconds and the LED will confirm the selected time by flashing once for each minute.
4. To reset the delay time to 0, hold the 'IGN' button for 2-3 seconds and wait for the LED to stop flashing.

Note: Setting and resetting REM delay times is identical to the process above, but using the REM button and blue LED. Please note that when setting delay timing, the LED will stop flashing after the first button press.

