



***INSTALLATION MANUAL***

***FULL COLOUR GRAPHICAL  
MULTIGAUGE***

***AV VERSION***



## Contents

Controller box ports.....	2
Sensors.....	3
Joystick.....	4
OBDII.....	4



## Controller box ports

Zada Tech's controller box acts as the heart of your multi gauge. All the sensors, including the OBDII hardware, collect the data from your car and output as various graphical gauges via an AV output.

There are various ports on the controller box, these include:

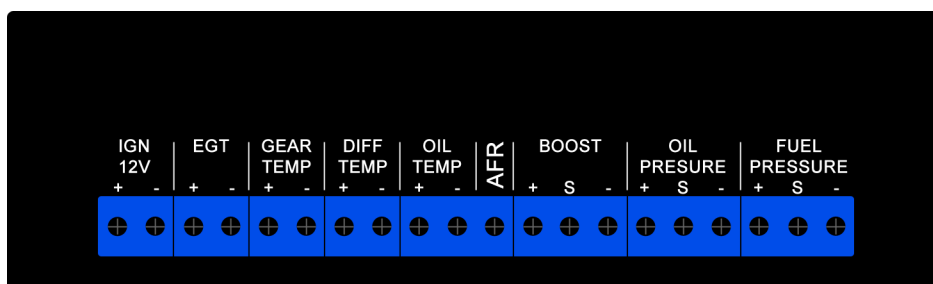
- Power port
- Sensor ports
- Joystick port
- AV port
- OBDII port

### **Power port (IGN 12V)**

This is the power point for the controller box. It connects to your car's ignition or ACC switch. Please connect the supplied 2A fuse on the + of the "IGN 12V" port in parallel to protect the system.

### **Sensor ports**

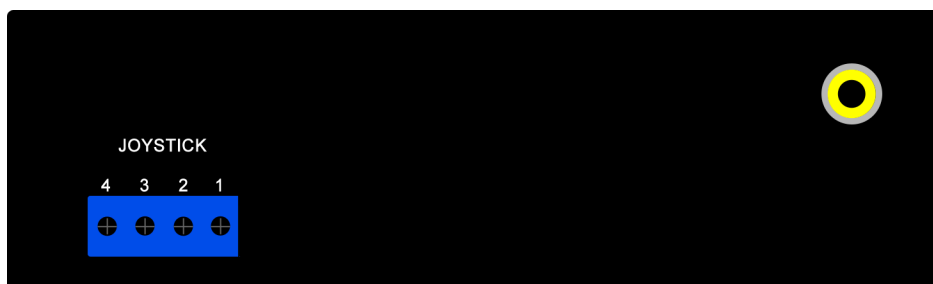
If you have any of the Zada Tech sensors, as optional extras, they could be connected to the ports shown below. Please refer to the 'Sensors' section of the guide on the wiring of the sensors.



### **Joystick and AV port**

The rotary joystick that comes with the kit connects to the JOYSTICK port. Please refer to the 'Joystick' section of the guide on how to connect the joystick.

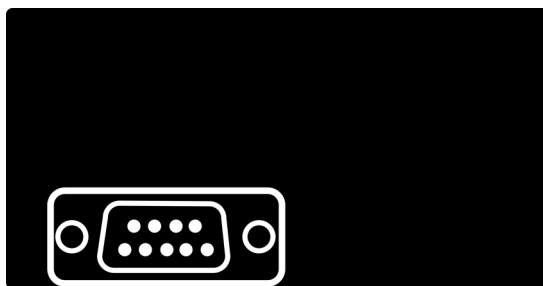
AV port outputs the graphical gauges to the OEM navigation or aftermarket head unit.





## OBDDII port

The OBDDII is used to retrieve data from your OBDDII port.



## Sensors

In order to wire the external sensors to the ports correctly please refer to the guide below.

### EGT sensor

Green	+
White	-

### Gearbox temperature sensor

Red	+
Black	-

### Differential temperature sensor

Red	+
Black	-

### Oil temperature sensor

Red	+
Black	-

### Boost/Map sensor

Red	+
Black	-
White	S

### Oil/Fuel Pressure sensor

Red	+
Black	-
Green	S



## AFR (Air Fuel Ratio)

This AFR single port is used to connect and input a wideband controller signal. The Wideband AFR controller and sensor that Zada Tech supplies can be used.

## Joystick

The rotary joystick supplied with the kit comes with 4 marked wires. The wires are marked as BLUE, YELLOW, RED and BLACK.

The wiring for the joystick is as follows:

1	BLUE
2	YELLOW
3	RED
4	BLACK

If LEFT & RIGHT function does not perform correctly, swap BLUE (1) and YELLOW (2) wires.

## OBDII

This kit is equipped with a CAN bus OBDII reader. Connect the OBDII cable that comes supplied with your kit to the controller box then to your car's OBDII port. The OBDII port is normally found under the steering column and above the pedals. The location can differ from one car manufacturer to another.

