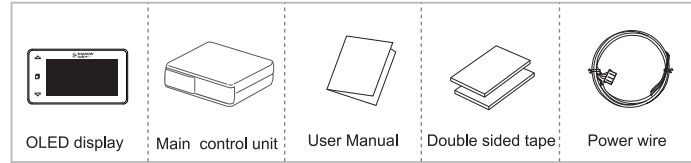


# SHADOW-AUTO OLED FD MULTI FUNCTION DISPLAY

## INSTRUCTION MANUAL

### CONTENTS

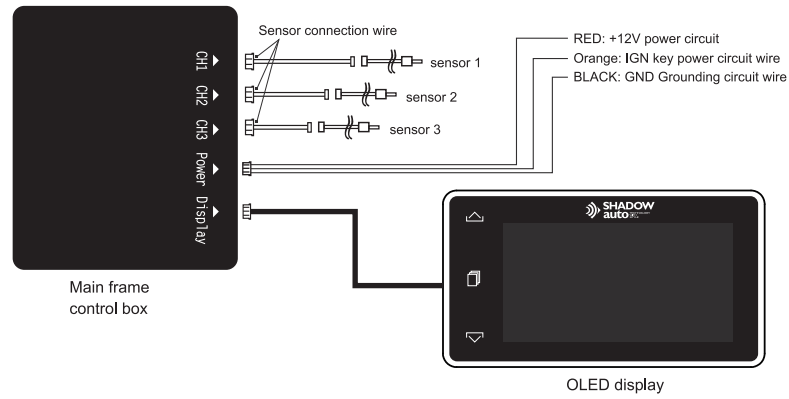
The following pictures are for reference only, and may not be the same as real object.



### WIRING INSTRUCTION

Caution:

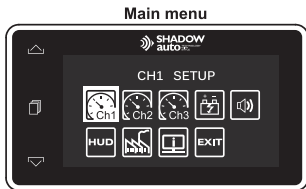
- The connecting slots of CH1 to CH3 can be connected with temperature or pressure sensors without any type restriction.
- Please be aware that the installation of connecting wire is DIRECTIONAL.



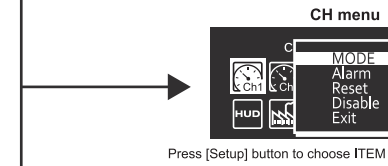
### SETUP FOR EACH CHANNEL

Be aware: For first time of using, Please proceed setting up the three CH functions, and can enter normal operation.

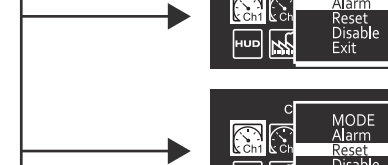
- Setup instructions
- Long hold the setup button for 2 seconds to enter setup menu.
  - Press the up and down button choose CH1, and then press setup button to start set the CH1 function.



Press [Setup] button to start setting CH1 item and warning values



Press [Setup] button to choose ITEM and UNIT



Press the setup button, and all the setting and peak value record are back to zero.

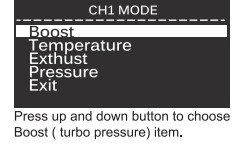


Press [Setup] button, the CH doesn't display and detect



Press [Setup] button, back to main menu

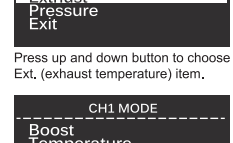
### MODE menu



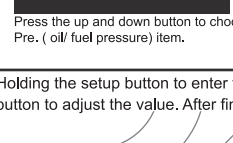
Press up and down button to choose Boost (turbo pressure) item.



Press up and down button to choose Temp. (water/oil temperature) item.

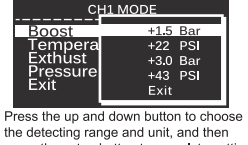


Press up and down button to choose Ext. (exhaust temperature) item.



Press the up and down button to choose Pre. (oil/fuel pressure) item.

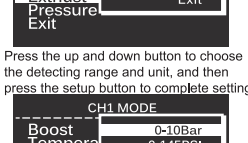
### Detecting range and Unit menu



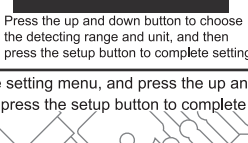
Press the setup button



Press the setup button

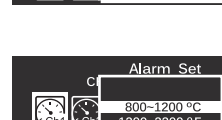
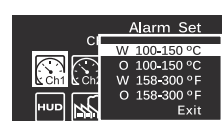
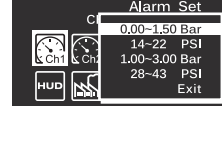


Press the setup button



Press the setup button

### Warning range for each item



Holding the setup button to enter the warning value setting menu, and press the up and down button to adjust the value. After finishing adjusting, press the setup button to complete setting.

### IMPORTANT INSTRUCTION

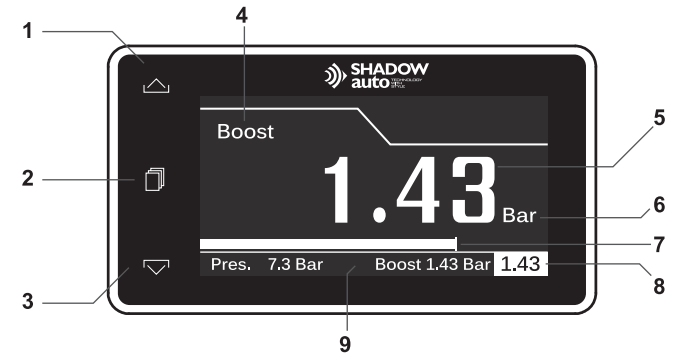


Read the manual thoroughly before installation can enable you install the **Shadow FD OLED** more easily and smoothly

- MUST set all the values before you start to use this device normally. Please make sure the engine is off, put the gear at Parking "P" or Neutral "N", and pull the handbrake**
- The damage or malfunction of the device which is caused by the improper installation will not be covered by the warranty. For example, connecting the electrode reversibly or damage the content by any improper manner. If the improper usage leads to any personal or property loss, the company will not be responsible for any incident and compensation.**
- Please do not install the device in an environment that has bad air ventilation.** It may cause the carbon monoxide poisoning or backdraft, and injury the human body.
- Please DO NOT damage or break the wire skin** If the wire skin is damage by the seat rail or car door, the bad contact and short circuit may lead to fire incident.
- Please use tape to well organize wires after wiring.** The twisted wires may hinder the driver while car is moving, and it is very DANGEROUS for the driver to pull or drag the power cords strongly because it may lead to short circuit
- Do NOT operate this device while driving** Operating or checking the display status while driving may distract driver's attention and cause car accident. Please use under a safe condition.
- If there is any installation question or the personnel is not familiar with the wiring work, please ask the professional shop to do the installation.** The installation of this product requires related professional knowledge, for those who is not familiar with this kind of product or don't have the required background and knowledge, please ask the expertise or professional shop to install the device for you.
- This product only works for vehicle with DC12V, and NOT operates under different electrical pressure/ voltage**
- Do NOT disassemble or modify the device by any means.**
- Do not put the device under any high temperature or high humidity environment.** The device may easily encounter malfunction under this kind of condition.
- Do not apply strong external force on this device after finishing the installation** Please be aware that the object is fixed with double sided tape and it takes time to attach to the place that you installed. It may fall off easily just after the installation.

### DISPLAY FUNCTION DESCRIPTION

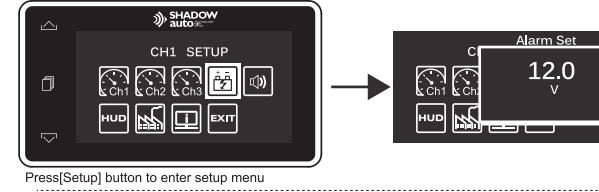
Technology Information	Default voltage: 12 volt	Default current: 60 mA Default stand by current: 0.53 mA
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- Up button/ Display style choosing button
- Setup button/ Display location switching button
- Down button/ Display style choosing button
- Displaying item
- Current value
- Corresponding unit
- Displaying the ratio of current value
- Peak values
- All current value dynamic status

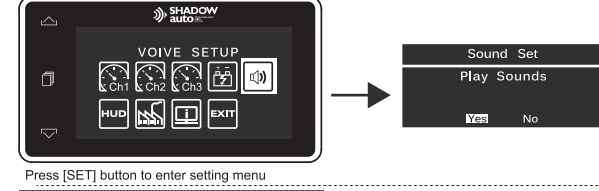
### OTHER FUNCTION SETTINGS

#### The electric pressure warning value setup



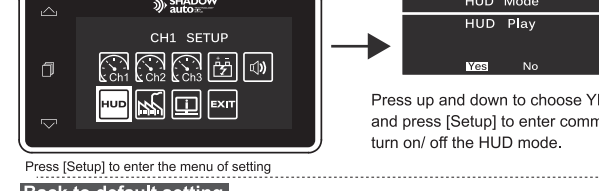
Press up and down button to adjust the value between 8.0 and 18.0 volts. Lastly, press [Setup] to complete setting

#### Beeper setup



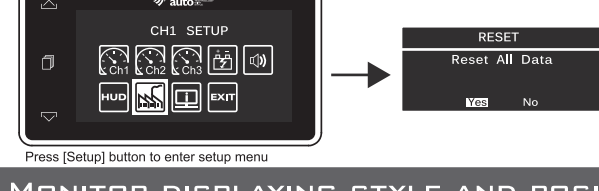
Press up and down button to choose YES/NO, and press [setup] button to enter command to turn on/off the beeper

#### HUD head up display mode setup



Press up and down to choose YES/NO, and press [Setup] to enter commands to turn on/ off the HUD mode. After turning on HUD mode, the monitor will show reversibly, and please put the monitor under the front windshield to let the information project on the glass. Then it can be used as HUD

#### Back to default setting



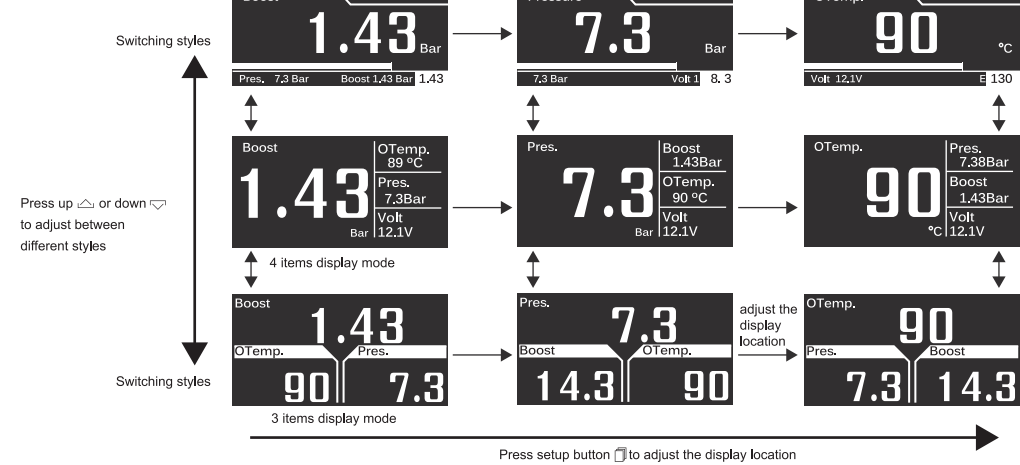
Press up and down button to YES, and press [Setup] button to confirm to clean all settings and go back to default setup.

### MONITOR DISPLAYING STYLE AND POSITION SWITCHING SETUP

There are three built-in display styles which can be adjusted via up and down button to choose your own style.

Besides, by pressing the setup button, you can switch between 3 CH info position to let the most important data showed on the most eye-catching place of the monitor.

#### Setup method:



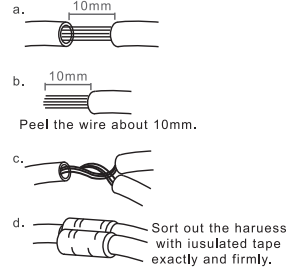
### PRODUCT FEATURES

- The large OLED display panel has high contrast, high brightness, and provides great resolution, while the water blue font makes it totally futuristic.
- 4 in one display feature enable the device to show 4 sets of car status info all at the same time.
- Built-in HUD function enables you to read the info more easily by keeping your head up
- Adapting external sensor to collecting data, help feed back the information faster, more accurate and with less error.
- The device corresponds to multiple temperature and pressure sensors, so you can mix and match as you wish.
- The device has built-in warning, peak recording, unit switching, and multi displaying modes that you can choose.
- The intuitive UI operating interface help you use and get familiar with fast and easily.
- The sleek and smooth aluminum frame makes the device feels and looks like a boutique
- The design of separating display and control units makes it super easily to hide the wires.

### CONNECTING WIRES

#### Wiring instruction :

- Peel 10mm skin of the wire that you are going to connect to.
- Peel the skin 10mm of the part that you are using to connect to.
- Wrap the electric wires on the wires that are connected to.
- Make sure wrap the wires with adhesive tapes, and fix them securely to prevent from any electrical short-circuit problems which may potentially causes fire.



### TROUBLESHOOTING

Please check up following troubleshooting table for remedy if problems occur

Questions	Causes	Solutions
After engine starting, the monitor has no response.	Power wires are not installed correctly	Please double check if the power wire is installed correctly or not
	The monitor wire is not connected properly	Please double check the monitor connecting wire is installed correctly or not
The monitor shows information with bias	The responding item of each channel is not set correctly, so the host can not retrieve the signal correctly	Please check what sensor is connected to each channel, and then enter the setup menu to choose the right corresponding item
	Sensors are not connected correctly	Please check if the sensors, and wires are installed correctly
The beeper is beeping right after the engine starts.	The channel is not set correctly	Please reset the corresponding item of each channel correctly
	Please turn off the detecting function for those channels that are not connected with sensors	If there is an empty channel, please enter the setup menu to turn off its detecting function
	The sensors are not connected correctly	Please check if sensors and wires are installed correctly
	The voltage warning value setting is too high	Please check the voltage warning value. If the value is set above 13V, it is very easy to trigger the beeper
The car is under abnormal condition. Please inspect!	If all questions listed above are ruled out, and the beeper still keeps beeping, it is possible the car is under abnormal condition. Please inspect the car properly and then drive	
Monitor shows the fonts reversely	The HUD heads-up displaying function is turned on.	Please enter the setup menu, and turn off the HUD function
Turbo charging value exceeds the displaying range	The setting of the range of displaying range	Please enter the setup menu, and adjust the turbo charging value to 3bar
Displaying with wrong unit	Displaying unit is set incorrectly	Please enter the setup menu to reset the unit that you usually use

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