

## LCD Instrument Manual

VER05

## Contents

1. Precautions	02
2. BC steering wheel control keys	03
3. Original vehicle instrument search [Fuel tank capacity ]	04
4. ODO	05
5. Vehicle model settings	06
6. Trip	07
7. Real Time Info	07
8. Information	08
9. System settings	09
10. Theme	17
11. Specifications	18
12. FAQ	19

## Precautions

- Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not allow this product to come into contact with liquids. Electrical shock could result. Also, damage to the product, smoke, and overheating could result from contact with liquids.
- If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch of(ACC OFF) immediately and consult your dealer or the customer service. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
- If you notice smoke, a strange noise or odor from this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your dealer or the customer service. Using this product in this condition may result in permanent damage to the system.
- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the customer service for internal inspection, adjustments or repairs.
- Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as papers, floor mat, cloths).
- Please turn off the car and disconnect ACC from B + before installation for avoiding short circuit.
- Please insulate the power output wire for avoiding boot failure caused by short circuit.
- Please do not use the car audio for long time after turning off the engine, or it will exhaust the battery power.
- Never set the volume of this product so high that you cannot hear outside traffic and emergency vehicles.
- Keep this manual handy as a reference for operating procedures and safety information.

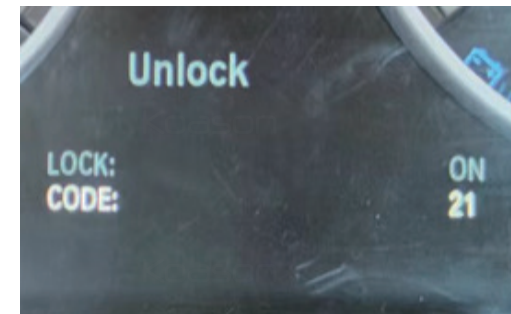
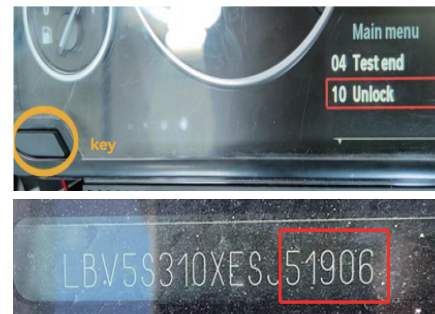
## BC Steering Wheel Control Keys

Short press [BC] to select, long press to confirm.

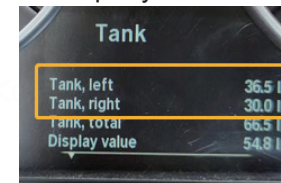


## Original vehicle instrument search [Fuel tank capacity ]

1. First, fill the car's fuel tank with oil; Start the engine before setting up;
2. Long press the button in the lower left corner of the original instrument panel and select the 10 Unlock menu to enter;
3. Add the last 5 digits of the chassis number (for example, as shown in the left figure  $5+1+9+0+6=21$ ), fill in the number 21 in the CODE position, and then press the key to exit;



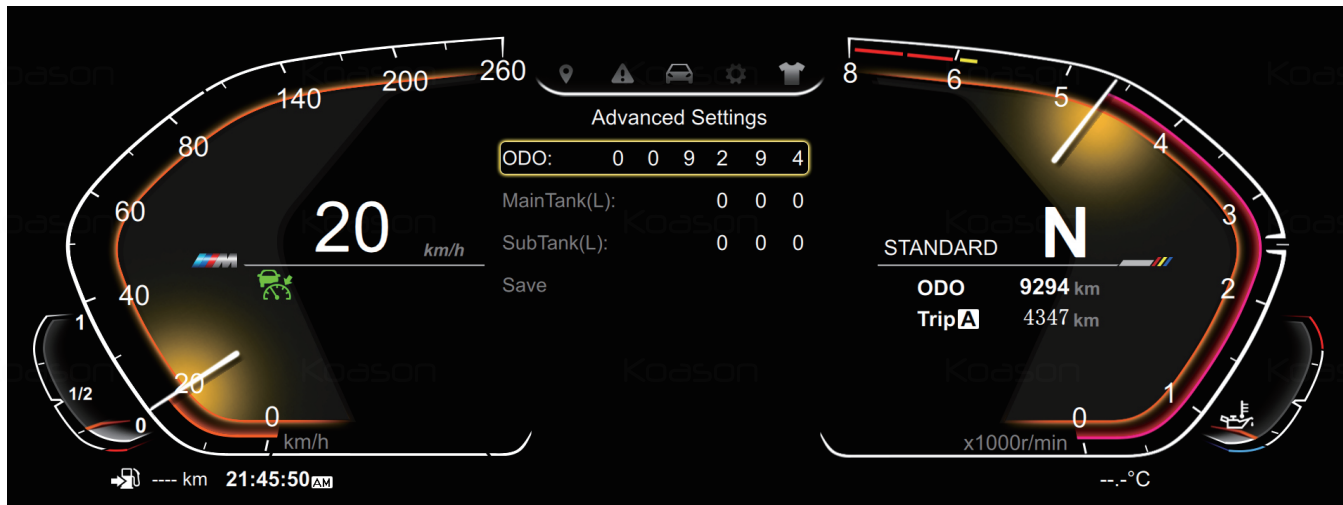
4. Select the 13 Tank menu to enter;
5. Round the Tank and Left values to 36.5L and round them to 37L, and fill in the main fuel tank settings in our instrument table;
6. Fill Tank, right30L, into our company's instrument secondary fuel tank settings;



If not get the original vehicle fuel tank value, please refer the preset fuel tank value ( see the attached sheet in the last page ) after install tge lcd instrument well

## ODO

1. For the first installation of the machine, it is necessary to record the total mileage on the original vehicle instrument panel;
2. System Settings ->Factory Settings ->Enter Password [0188] ->Change [Total Kilometers] to the original total kilometers on the vehicle  
Note:There is no total kilometers when you first enter the page, you need to cycle through the options once and go back to the first item to see this option.
3. Select [Save], long press the steering wheel control button [BC], turn off the vehicle, wait for 5 seconds before starting the car, and the setting is successful.

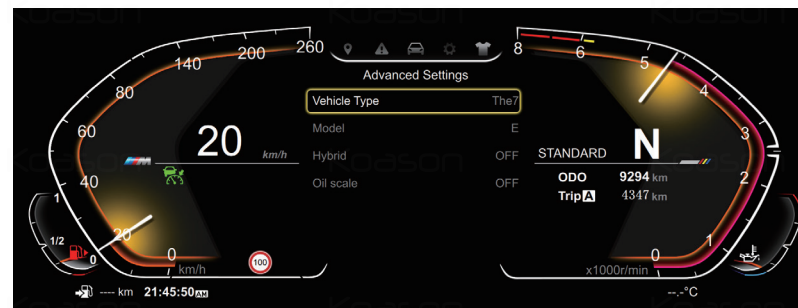
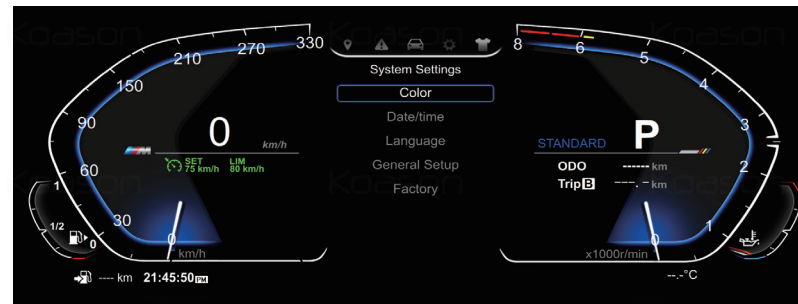


## Hide the ODO

System Settings->Factory Settings->0180->Short press [OK] to hide, and vice versa to open.

## Vehicle model settings

1. System Settings -> Color - Select the color of your own vehicle,you can also select the icon here.
2. System Settings ->Factory Settings ->Enter Password [0188] ->[Vehicle Type] Select your own car model.  
(Note: By selecting the corresponding model, the system will match the corresponding model data.)

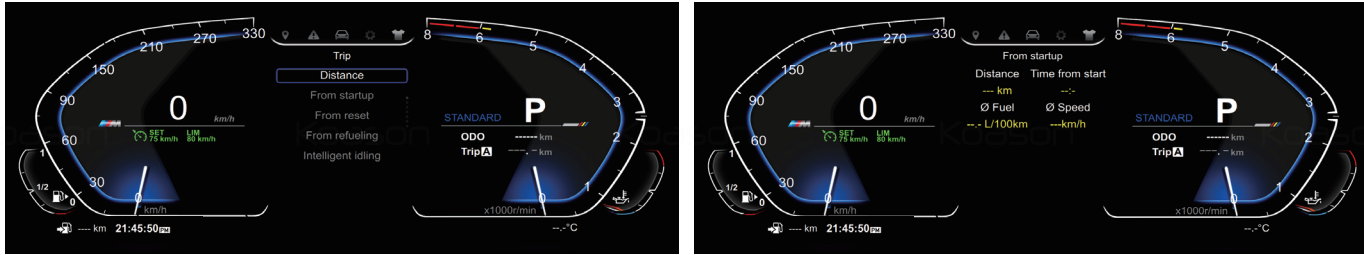


## Trip

### Trip icon

Short press [BC] to enter the option to view the car's total mileage, average fuel consumption and average speed after startup, after reset and after refueling, etc.

Short distance Clearing: Trip -> distance -> Trip A/B -> Long press **【BC】** button to reset clearing.



## Real Time Info

### Real Time Info: icon

Check the fuel consumption information and oil temperature of the car.

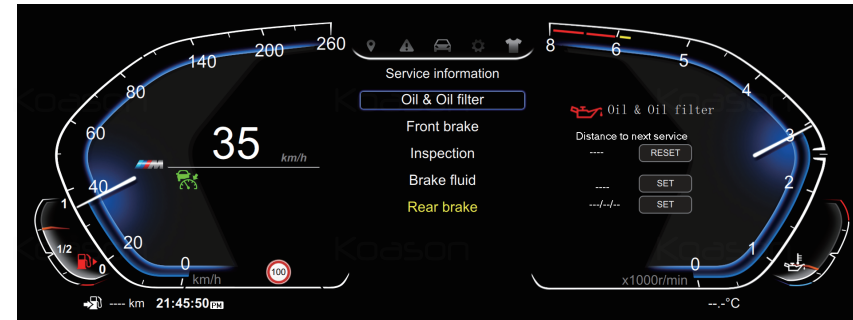
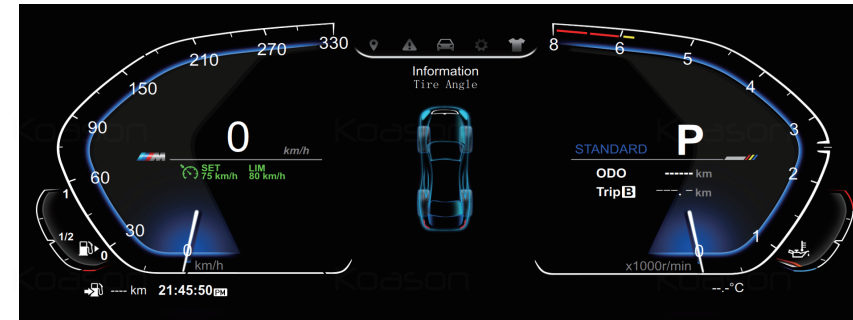


## Information

### Information icon

Check the tire pressure, tire angle, maintenance, and other information of the car.

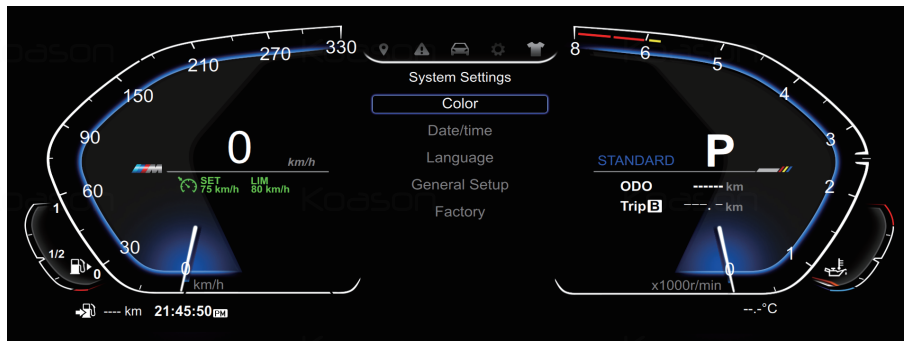
Maintenance Information: Vehicle Settings→Maintenance Information→Press [BC] key to set the maintenance information cycle kilometers.



## System Settings

### System Settings icon

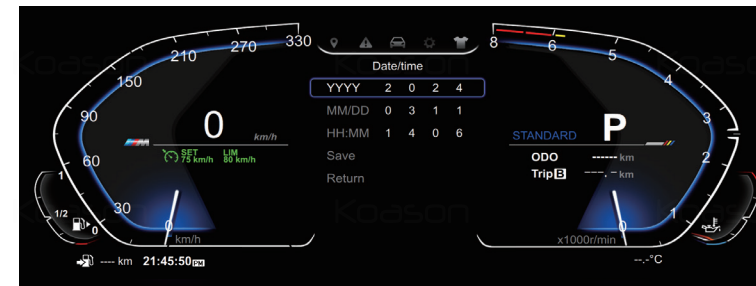
Here you can turn on the oil scale, change the torque, time display, screen brightness ,etc.



## System Settings

### Date/time

System Settings → [ Date/time ].



### Language

System Settings → [ Language ].



## System Settings

### General Setup

System Settings → [ General Setup ]

### Day/Night Brightness

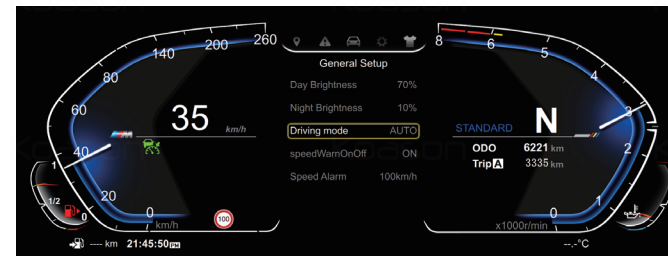
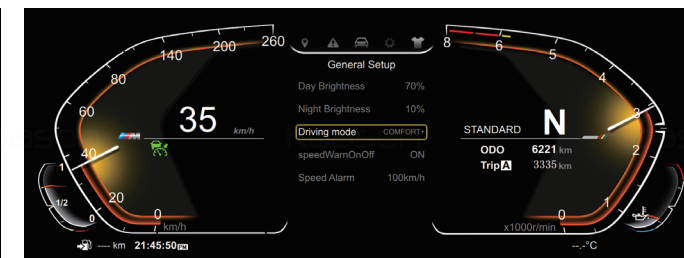
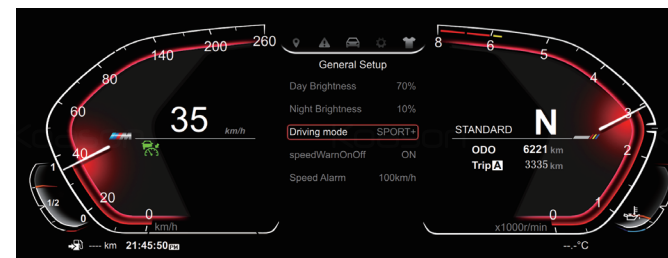
System Settings → [ General Setup ] → [ Day Brightness ]/[ Night Brightness ]



## System Settings

### Driving mode


System Settings → [ General Setup ] → [ Driving mode ] All four UI styles can be changed to 3 colors: red, yellow, and blue. The AUTO mode automatically switches colors with the driving mode of the vehicle.

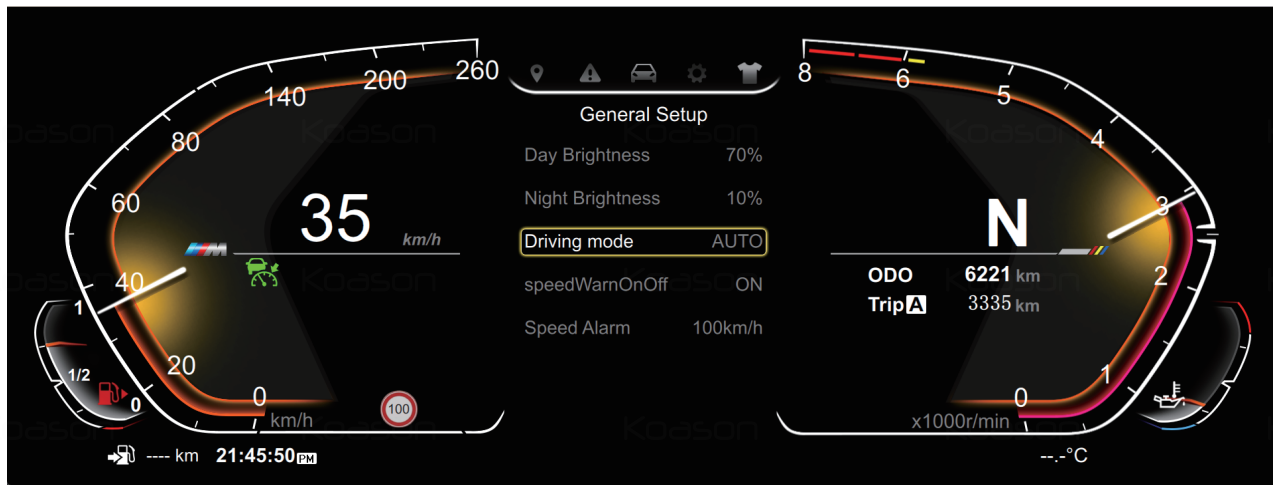


## System Settings

### SpeedWarnOnOff

System Settings → [ General Setup ] → [ speedWarnOnOff ] Set on/off.

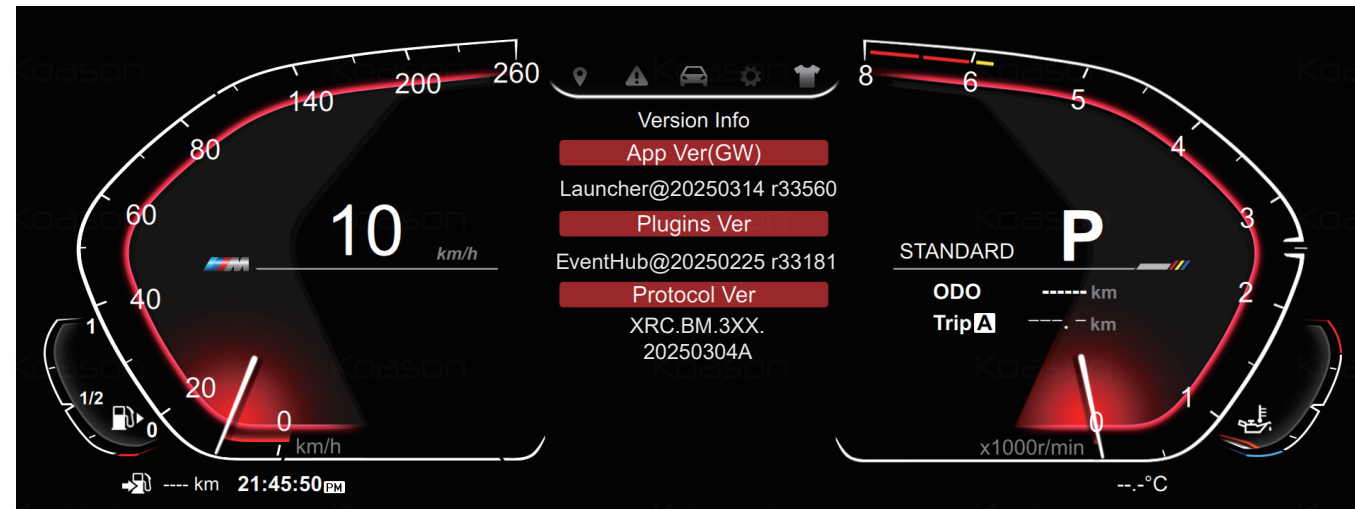
[ Speed Alarm ] Set a warning when exceeding a certain speed limit. 



## System Settings

### Version Info

System Settings → [ Version Info ] → View version information such as protocol version.



### Software Upgrade

When the software needs to be upgraded, please ask customer service for the software.

## System Settings

### Factory

System Settings → [ Factory ] → Enter the password [0189], You can set the reverse direction of the front and rear doors, enable or disable the startup animation, mileage units, temperature units, fuel nozzle positions, etc. inside.

### Front Door RHD

System Settings → [ Factory ] → Enter the password [0189], → [ Rear Door RHD ] you need to cycle through the options once, go back to the first item, you can see [Front Door RHD], long press the BC button to switch [Yes/No].

### Fuel Tank Position

System Settings → [ Factory ] → Enter the password [0189], → [ Fuel Tank Position ] Long press the BC button to switch [Left/Right].

### Doors info

System Settings → [ Factory ] → Enter the password [0189], → [ Doors info ] Long press the BC button to toggle [Enable/Disable].

### Metric Unit

System Settings → [ Factory ] → Enter the password [0189], → [ Metric Unit ] Long press the BC button to toggle [Metric/Imperial].



## System Settings

### Boot-up Animation

System Settings → [Factory Settings] → Enter the password [0189] → [Power On Animation] Long press the BC button to toggle [Enable/Disable].

### RPM Conversion

System Settings → [Factory Settings] → Enter the password [0189] → [RPM Conversion] Long press the BC button to toggle [Enable/Disable].

### Gear display off on manual models

System Settings → [Factory Settings] → Enter the password [0181] → [Hide Gear] Enter the password again to display the gear.

### Cruise control setting

System Settings → [Protocol Upgrade] → Long press the [BC] key, enter the password [4321] that appears → [Configuration Menu] Select the corresponding cruise control configuration → [Width indicator flashes quickly multiple times] to indicate that the selection takes effect, and you can drive the vehicle to test it. (If it is invalid, you can switch to another configuration until it takes effect)

BMW Ctrl cruser 1_0_series .shell	BMW Ctrl cruser 3_2_series.shell
BMW Ctrl cruser 1_1_series.shell	BMW Ctrl cruser 5_0_series.shell
BMW Ctrl cruser 3_0_series.shell	BMW Ctrl cruser 5_series.shell
BMW Ctrl cruser 3_1_series.shell	BMW Ctrl cruser 7_series.shell

## Theme

### Theme

4 sets of UI styles can be freely switched



## Specifications

CPU	4-core T507 processor with a main frequency of 1.5GHz
operating system	Linux 5.4
ROM	Emmc 8GB
RAM	1.024GB
USB	USB 2.0
Screen resolution	1920 * 720
Working current	480mA
working voltage	9V-18V
Standby current	< 3mA
working temperature	-20-75 °C
Storage temperature	-40-85 °C
Language support	Chinese, English, Japanese, Japanese, Russian, Arabic, Spanish, German, Türkiye, Korean, French, Italy, Bulgaria, Portugal
Original car functions	Supports all original car functions

## FAQ

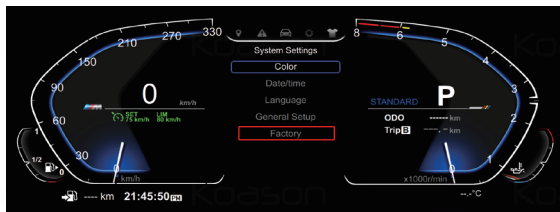
If you encounter the problems below, please refer to this troubleshooting guide for quick solution. If the problems persist, it is advisable to contact the professional or visiting the customer service centre for further assistance. Please do not dismantle the machine without proper advice.

### How do you change language?

System Settings → Language

### How to set the time and date?

System Settings → Date/time



### How to set door options?

System Settings→ Protocol Upgrade→Enter Password [4321]→Select the number of doors

Note:Short press [BC] to move, long press [BC] to select,

BMW Config Door Coupe@off.shell Indicates disabling the two-door function (reverting to the default 4 doors)

BMW Config Door Coupe@On.shell Indicates that the double door function is on (only the left/right front door will be reminded to open and close).

### How to change the temperature unit?

System Settings → [ Factory ] → Enter the password [0189] →temperature unit

### How do I set the maximum speed?

System Settings→Factory Settings→Enter Password [0189]→Maximum Speed->Select 260km/h or 330km/h

## Attachment: Meter Tank Capacity Function Setting

Setting steps: Enter system setup→factory setup→input password [0188]→corresponding function to setup through BC key.After selecting the value, click the [Save] button to save it.

Fuel Tank Setting	Fuel tank capacity	Fuel Tank Setting	Fuel tank capacity
X1(60L)	master capacity: 27L subcapacity: 33L	E60(74L)	master capacity: 37L subcapacity: 37L
F52-1series (50L)	master capacity: 0L subcapacity: 50L	2021oversea-F48-X1(50L)	master capacity: 0L subcapacity: 50L
F-2series (52L)	master capacity: 38L subcapacity: 12L	E65(82L)	master capacity: 41L subcapacity: 41L
F30-3series (56L)	master capacity: 40L subcapacity: 16L	E90(63L)	master capacity: 28L subcapacity: 35L
F10-5 and 6series (68L)	master capacity: 37L subcapacity: 30L	Z4(50L)	master capacity: 26L subcapacity: 24L
F10-5series (70L)	master capacity: 35L subcapacity: 33L	E84(09-15-X1)	master capacity: 28L subcapacity: 35L
F10-5E(5series-hybrid)	master capacity: 0L subcapacity: 37L	E87(04-11-1series)	master capacity: 21L subcapacity: 32L
F01-7series (74L)	master capacity: 43L subcapacity: 31L	M5(80L)	master capacity: 43L subcapacity: 37L
F25-X3 and X4(69L)	master capacity: 45L subcapacity: 24L	MINI(44L)	master capacity: 0L subcapacity: 44L
F15、F16、E70 (85L)	master capacity: 44L subcapacity: 41L		