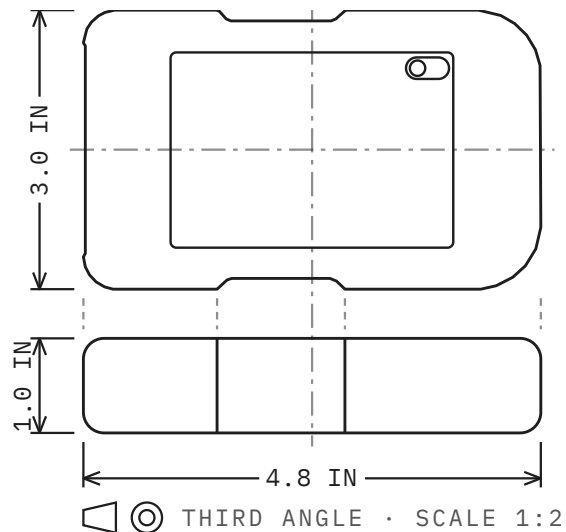


Installation and use



BEFORE YOU START

Safety 02

What is in the box 03

Know your Monte GTR 04

SETTING UP

Start here — three steps 05

Mounting and connecting 06

Setting up on the screen 07

Finishing the setup 08

If your car was not specified 09

USING THE DEVICE

Features overview 10

Car profile 11

Mode selector 12

Adjustment 13

Adjustment, in short 14

Live gauges 15

Scan tool 16

Performance tests 17

The power run 18

SETTINGS

Overview 19

Display 20

Units and language 21

Advanced 22

Command list 23

HELP

If something is not right 24

If you need us 25

Useful links 26

Thank you 27

Safety

WARNING

Do not operate the device while driving.

Looking at the screen takes your eyes off the road and can cause a collision.

Come to a complete stop before you change any setting.

NOTICE

Check the car before you install.

A fault that is already present will affect how the Monte GTR performs.

Make sure every system is in good condition first.

WARNING

Do not run performance tests on public roads.

A dyno run or an acceleration test at full throttle can cause loss of control.

Use a closed circuit, and obey the traffic law wherever you drive.

NOTICE

Do not use an OBD2 splitter.

Sharing the port with a scanner, monitor, module or another tuner corrupts the data.

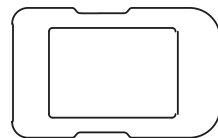
Connect the Monte GTR to the port on its own.

What is in the box

01

Monte GTR

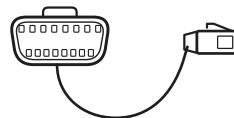
4.8 × 3.0 × 1.0 in.



02

OBD2 cable

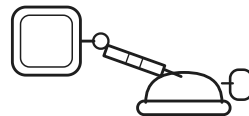
16-pin to RJ45, 60 in / 5 ft.



03

Magnet mount with suction cup

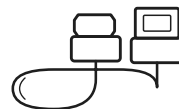
For the windshield.



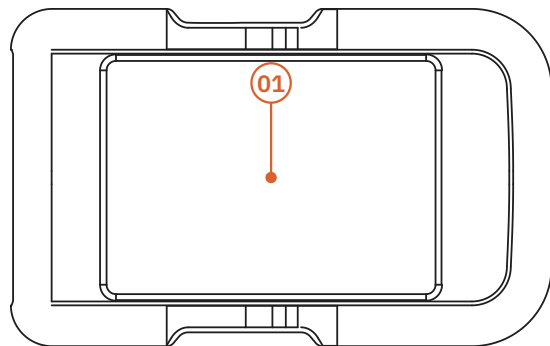
04

USB cable

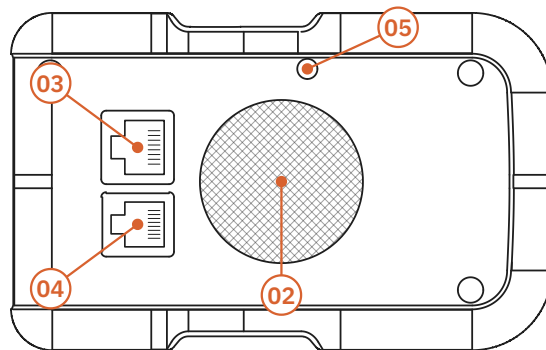
Use this one to program the device — another cable may not work.



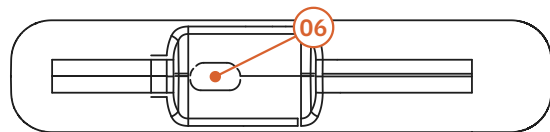
Know your Monte GTR



FRONT



BACK



EDGE • THE USB SIDE

- 01 **Display** — everything is read and set here.
- 02 **Magnetic mount** — knurled disc, 1.44 in.
- 03 **OBD2 port** — the RJ45 end of the cable goes here.
- 04 **Auxiliary port** — factory use only.
- 05 **Reset** — a pinhole; press it with a pin.
- 06 **USB port** — for programming from a computer, with the cable from the box.

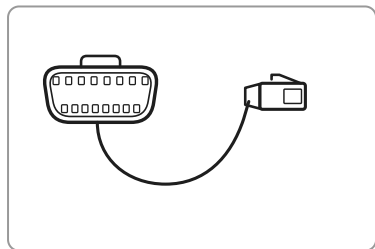
Start here

Three moves, and most people never need a computer at all.

01

Fit it to the car

The mount on the windshield, the cable into the OBD2 port. Four steps, with drawings, on page 06.

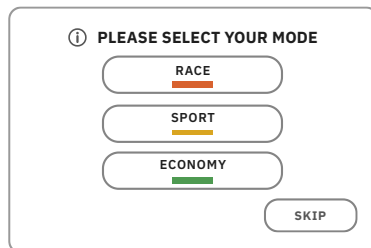


THE CABLE FROM THE BOX

02

Answer the first-start questions

It asks them once — pages 07 and 08. Then pick a mode and drive. Cars named at checkout arrive programmed.



WHAT YOU SHOULD SEE

03

Asked to program it?

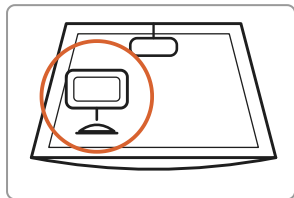
Only then do you need a computer. Turn to page 09, or scan the code. Windows 10 required.



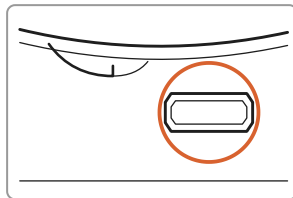
MONTE PROGRAMMER ·
MONTETUNING.COM/SUPPORT/GTR

Mounting and connecting

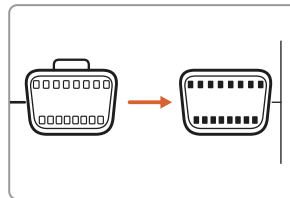
Four moves, in this order.



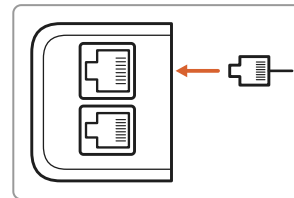
01 Stick the suction mount to the windshield where the device does not block your view.



02 With the ignition off, find the OBD2 socket under the dash on the driver's side.



03 Push the 16-pin end of the cable into that socket, all the way home.



04 Plug the RJ45 end into the larger socket on the back of the device, then start the car.

NOTICE

Do not use an OBD2 splitter.

Sharing the port with a scanner, monitor, module or another tuner corrupts the data. Connect the Monte GTR to the port on its own.

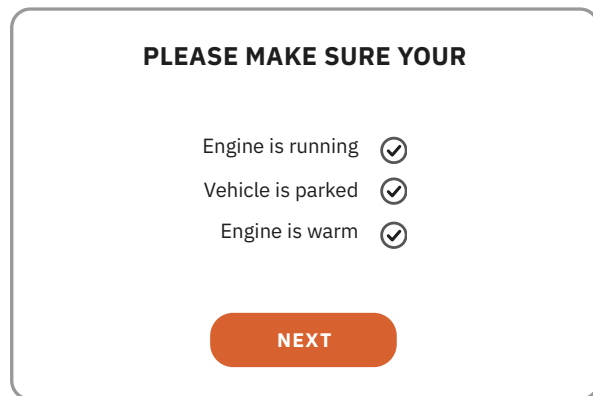


INSTALLATION VIDEO

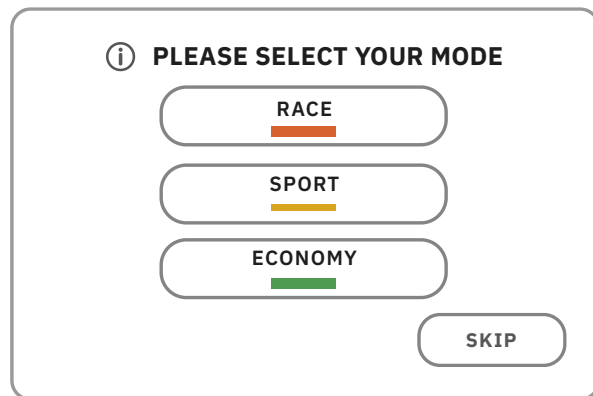
Setting up on the screen

The first time you start the car the device runs through this once. After that it goes straight to the gauges.

- 01 Engine running, car parked, engine warm.
To skip the warm-up, hold NEXT for 10 seconds.



- 02 Choose a mode — Race, Sport or Economy. You can change it at any time.



Finishing the setup

Skip the tire size if the car still has the tires it came with.

- 03 Factory tires, or custom if you have changed them.

PLEASE SELECT YOUR TYRES

MY CAR HAS:

☒ factory tyres size

☐ custom aftermarket tyres size

This data is used to provide accurate speed readings

BACK NEXT

- 04 If custom, enter the size. This is what makes the speed reading accurate.

SELECT YOUR FACTORY TYRES SIZE

MM INCHES

+	+	+
105	20R	10
-	-	-

BACK NEXT

- 05 Your fuel, and the octane it is sold at. If yours is not listed, take the one with the highest number.

SELECT YOUR FUEL TYPE

☒ GASOLINE

☐ ETHANOL

☐ DIESEL

☒ US91 + R + M/2 (RON, EU 98+)

☐ US91 + R + M/2 (RON, EU 93, 95)

☐ US87 + R + M/2 (RON, EU 91)

BACK FINISH

- 06 **Let the tuning finish**

The screen reads **OPTIMIZING YOUR VEHICLE**. Leave the engine running until it says the tuning is complete.

- 07 **Then drive**

The mode is live straight away. Adjustment finishes over about 120 miles of ordinary driving — see page 13.

If your car was not specified at checkout

Only in that case does the device need a computer. Everything below happens once, before you connect the Monte GTR to the car.

01 Download the Monte Programmer

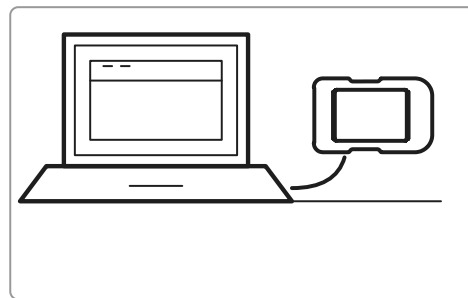
Go to montetuning.com/support/gtr on a Windows 10 PC. Turn the antivirus off while it installs and keep a stable connection.

02 Select your car

Connect the device with the supplied USB cable, choose make, model, year and engine, and upload the tune. Wait for it to finish before you unplug.

03 Car not in the list?

Contact us. We build the file for your vehicle, normally within three business days. No Windows 10 PC? Tell us and we will program the device for you.



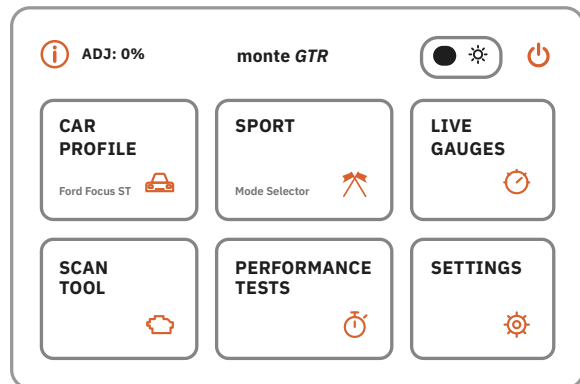
A WINDOWS 10 PC · THE USB CABLE
FROM THE BOX



MONTE
PROGRAMMER
SCAN TO
DOWNLOAD

Features overview

Six tiles sit on the home screen. Each is written up on its own page.



HOME SCREEN

ON THE STATUS BAR

-  Opens the adjustment figure.
-  Dims the display.
-  Puts the screen out.

FEATURES OVERVIEW

Car profile

11

General data about your car.

Mode selector

12

Select the tuning, from Economy to Race.

Live gauges

15

Your car's readings, as you drive.

Scan tool

16

Read fault codes, and clear them.

Performance tests

17

Dyno run, or acceleration meter.

Settings

19

Display, units, language and more.

10

Car profile

The car the device is programmed for, and where a changed tire size is put right.

TO CHANGE THE TIRE SIZE

- 01 Open Car profile, then press CHANGE.
- 02 Leave the mode as it is, or change it.
- 03 Choose the custom aftermarket option.
- 04 Enter width, profile and rim — MM or INCHES.
- 05 Confirm the fuel, then FINISH.

NOTICE

This corrects the Monte GTR, not the car.

Your car's own speedometer is not changed.

① CAR PROFILE

YEAR: 2019
VIN: ICA65IU79LKM76G
CAR: FORD FOCUS ST
ENGINE: 2.0 L

MODE: SPORT PLUS
FUEL TYPE: DIESEL
TYRE SIZE: 205/55 R16

CHANGE

CAR PROFILE

The car itself is not changed here. To put the device on another car, program it again from a computer — page 09.

SELECT YOUR NEW TYRES SIZE

MM INCHES

105 20R 10

BACK NEXT

NEW TYRES SIZE

The size the device was given at programming is the factory one, read from the VIN.

Mode selector

One screen: three modes, a step up or down on each, and a switch back to stock.

RACE

Maximum performance, for dynamic driving.

RACE · RACE PLUS · RACE MAX

SPORT

A mixed setting: some more power, some fuel saved.

SPORT · SPORT PLUS

ECONOMY

Maximum fuel efficiency, with no loss of power.

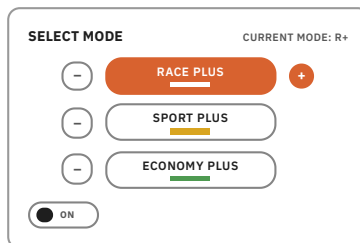
ECONOMY · ECONOMY PLUS

NOTICE

Every change starts the adjustment again.

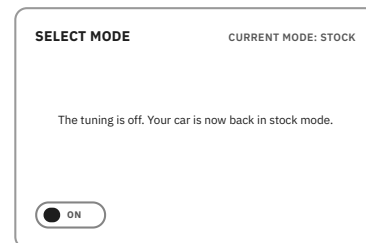
Each mode is adjusted on its own, over about 120 miles — see page 13.

MODE SELECTOR



SELECT MODE

Tap a mode, then confirm. + and - move it a step along its row.



TUNING OFF

The **ON / OFF** switch puts the car back to its factory settings. It asks first.

Adjustment

The mode works from the moment you pick it; the device keeps refining it as you drive.

What it is

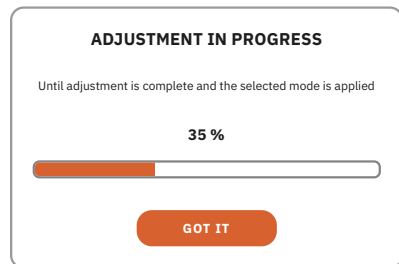
Every car is a little different — tolerances, fuel, servicing, the way it is driven. Adjustment fits the mode you chose to your car.

About 120 miles

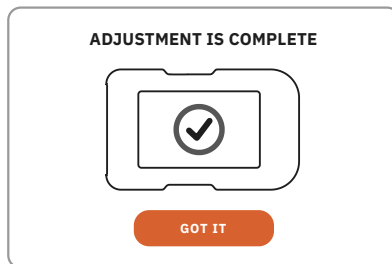
Most cars are fully adjusted after roughly 120 miles in one mode. Not in one go — it picks up where it left off.

ADJ on the home screen

The figure in the top left corner is how far along the current mode is; a new mode starts at 0 %. Tap the i beside it to open the detail.



WHILE IT RUNS



WHEN IT IS DONE

Both dialogs close with GOT IT. Neither of them stops you driving — the tuning is live the whole time.

Adjustment, in short

Do I have to drive the 120 miles in one go?

No. It carries on across trips. Ten miles or a hundred at a time, the device keeps adjusting whenever it is connected and the mode is still selected.

Does every mode need its own adjustment?

Yes. Each mode has its own profile and its own cycle. Switch to a mode that has not been adjusted yet and the device starts on that one.

Is the progress lost when I switch the car off?

No. It is saved, and picked up again the next time you drive.

Does any of this change the car permanently?

No. The factory ECU software is left as it is. The device can be taken off at any time, and moved to another supported car.

Is the tune working before that?

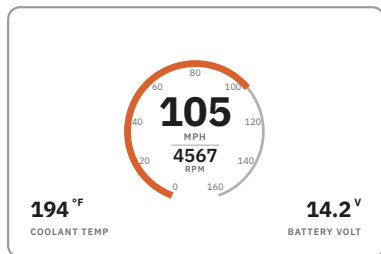
Yes. The mode is live as soon as you select it. Adjustment refines it from there.

What about my car's warranty?

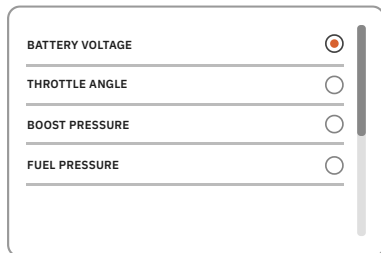
It does not overwrite the factory software, and leaves no trace once removed. Whether a repair is covered stays the manufacturer's or dealer's decision.

Live gauges

Two sets: a fixed dial, and four cells you fill yourself.



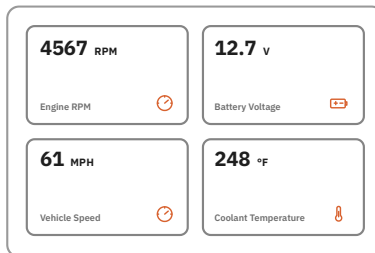
THE SET IT ARRIVES ON



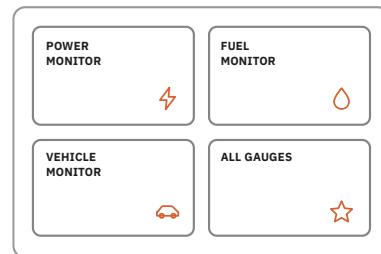
THE READINGS IN A GROUP



THE CUSTOM SET, EMPTY



THE CUSTOM SET, FILLED



THE FOUR GROUPS

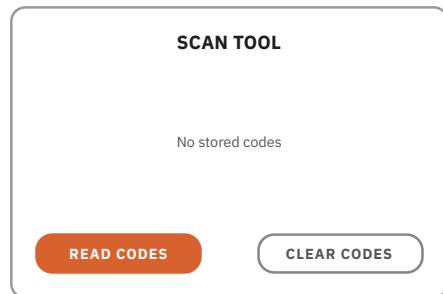
HOW TO CHANGE A READING

- 01 Tap a cell, then pick a group.
- 02 Choose the reading. The cell fills.

Only what your car's ECU reports is shown, so the list differs from car to car.

Scan tool

Read the fault codes your car has stored, and clear them.



SCAN TOOL

STEP BY STEP

- 01 Open **Scan tool** from the home screen.
- 02 Press **READ CODES**. What the car has stored is listed.
- 03 **CLEAR CODES** empties the list.

What a code is

A record the car files when one of its systems reports a fault. It says where to look, not what is wrong.

It reads the car

Not the Monte GTR. The codes belong to the vehicle and are there whether the device is fitted or not.

NOTICE

Clearing a code removes the record, not the cause.

If the fault is still there, the code comes back.

Performance tests

⚠ WARNING

Run these on a closed circuit only.

A dyno run or an acceleration test at full throttle can cause loss of control.

Never on a public road.

THE ACCELERATION TEST, STEP BY STEP

- 01 Open **Performance tests** from the home screen.
Power meter is the dyno run — page 18.
- 02 Open **Acceleration** and bring the car to a full stop.
The clock reads 00:00.
- 03 Accelerate. There is nothing to press: the clock starts on its own.
- 04 It stops at the target speed, and the time stays on the screen.
- 05 **RESET** clears it, ready for the next run.

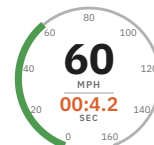
0-60 ACCELERATION TEST



Accelerate to start. The test will start automatically.

READY

0-60 TIMING



RESET

TIMING

The power run

The dyno run measures power and torque as you pull through the revs.

ALSO CALLED VIRTUAL DYNO · POWER METER ON THE DEVICE

Not a dyno, but a fair comparison.

The figures come from the engine data your car reports. Fit a modification, run again, and the charts show what changed.

BEFORE STARTING MAKE SURE

- the road is empty
- the road is flat and straight
- your gearbox has a manual mode
- you drive in accordance with the traffic regulations

START THE TEST

DRIVE FROM LOW TO HIGH REV



FTLB

HP

RPM

POWER TORQUE

THE CHECKS

01 Performance tests >
Power meter > **New run.**

02 Read the checks,
then **Start the test.**

THE PULL

03 Second gear by
hand.

04 Pedal gently, all the
way down.

05 Low revs to
maximum.

THE CHART, AND HOW TO KEEP IT

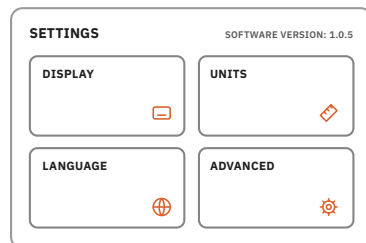
06 Runs are kept under **Results**; charts
overlay to compare.

07 On the chart, tap the share icon.

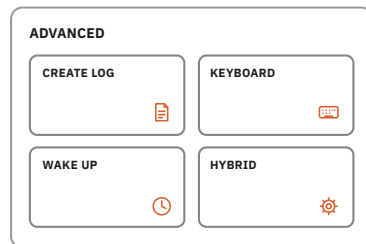
08 Connect to a PC by USB, then export
from the Monte Programmer.

Settings

Four things live here. The software the device is running is named in the corner.



SETTINGS



ADVANCED, ONE LEVEL DOWN

Display

Sleep delay, brightness, and how fast the gauges refresh. Page 20.

Units

Distance, fuel, temperature, torque, power, pressure. Page 21.

Language

English, Chinese, Spanish.

Advanced

Four things, written up on page 22.

CREATE LOG Writes a log file for us to look at.

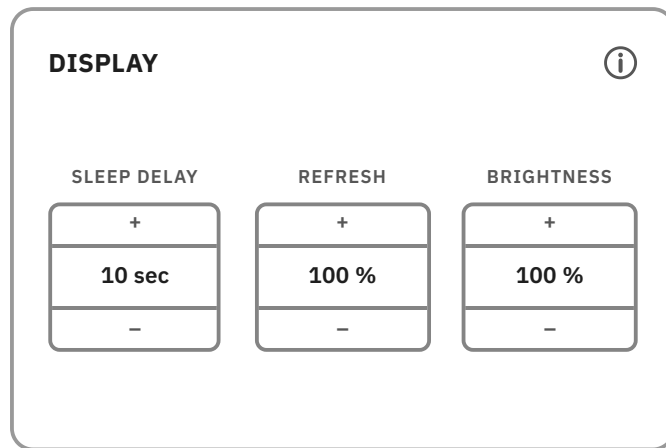
KEYBOARD Types commands. The list is on page 23.

WAKE UP How the device sleeps and wakes: ECU or VOLT.

HYBRID Manual sleep, for cars that need it.

Display

Three things, each set with the + and – above and below it.



DISPLAY

NOTICE

Sleep delay is the screen, not the device.

The device's own sleep is set in Advanced — page 22.

DISPLAY

Sleep delay

How long the screen stays lit with nothing touching it.

Refresh

How often the gauges redraw.

Brightness

How bright the screen is. The switch in the status bar dims it without coming here — page 10.

Units and language

The device is shown here set the way it leaves us for the United States.

UNITS

Page 1/2

DISTANCE

☒ MILE
☐ KM

FUEL VOLUME

☒ GAL
☐ L

TEMPERATURE

☒ °F
☐ °C

NEXT

PAGE 1 OF 2

Distance, fuel volume and temperature.

UNITS

Page 2/2

TORQUE

☒ FTLB
☐ NM

POWER

☒ HP
☐ KW

PRESSURE

☒ PSI
☐ BAR

BACK

NEXT

PAGE 2 OF 2

Torque, power and pressure.

LANGUAGE

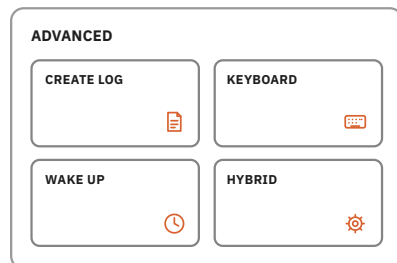
☒ ENGLISH
☐ CHINESE
☐ SPANISH

LANGUAGE

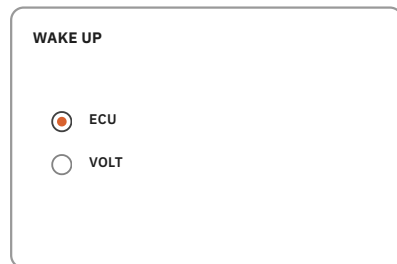
English, Chinese or Spanish. The device shows a flag beside each one.

Advanced

A log, a keyboard, and two ways of telling the device when to sleep.



ADVANCED



WAKE UP

ADVANCED

Create log

Writes a log file. Send it to us and we can see what the device saw.

WHEN THE DEVICE SLEEPS

Wake up

How the device decides to sleep and wake. **ECU** follows the car's own signals; **VOLT** watches the voltage on the OBD2 port.

Keyboard

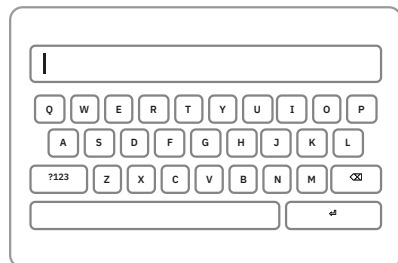
Type a command, press enter. The commands are listed on page 23.

Hybrid

Some hybrids — plug-in hybrids in particular — do not give either signal reliably. Hybrid stops the device sleeping on its own: turn the screen off and on with the power button at the top right.

Command list

Settings › Advanced › Keyboard. Type one command, press enter.



THE KEYBOARD

Type a command exactly as it is printed, capitals and all. **?123** switches to numbers.

NOTICE

restore erases your settings.

The car has to be programmed again afterwards.

reset

Restarts the device. Nothing is lost.

bigSn

Shows the serial number large on the screen. Have it ready when you write to us.

noSleep

Holds off sleep until the device is restarted.

clearCar

Clears the vehicle information, before the device is programmed for another car.

restore

Wipes every user setting and returns the device to new condition.

If something is not right

Seven things people ask us about, and where each is answered.

A reading is missing from the list

Only what your car's ECU reports can be shown. Page 15.

It will not sleep, or will not wake

Try Wake up on ECU or VOLT; on some hybrids, Hybrid. Page 22.

It felt different again after a mode change

Each mode adjusts on its own, over about 120 miles. Page 13.

The speed does not match the car

It comes from the tire size. Correct it in Car profile. Page 11.

The Monte Programmer will not install

Turn the antivirus off while it installs. Page 09.

A code comes back after clearing

Clearing removes the record, not the cause. Page 16.

My car is not on the list

Write to us; we build the file, usually in three business days. Page 09.

If you need us

Your Monte GTR carries a lifetime warranty against manufacturing defects, and support every day of the week.

WhatsApp

+1 501 444 5855. Messages only, the number does not take calls. Every day, around the clock.

E-mail

support@montetuning.com. Every day, around the clock.

On the web

montetuning.com · montetuning.com/support/gtr

HAVE THIS READY WHEN YOU WRITE

The serial number

Type **bigSn** on the keyboard.
Page 23.

The car

Year, make, model and engine.

A photograph

Of the screen you are asking about.



WHATSAPP

SCAN TO START A CHAT

Useful links

Point your phone's camera at one of these.

Installation video



[YOUTU.BE/
PLMJEXXCSSC](https://youtu.be/PLMJEXXCSSC)

The whole fitting, start to finish, on one car.

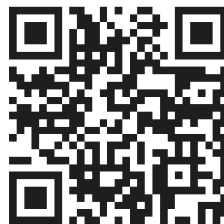
Monte Programmer



[MONTETUNING.COM/
SUPPORT/GTR
#PROGRAMMER](https://montetuning.com/support/gtr/#PROGRAMMER)

The program that puts the tune on the device, for a Windows 10 PC.

Support and FAQ



[MONTETUNING.COM/
SUPPORT/GTR](https://montetuning.com/support/gtr)

The answers to the questions we are asked most.

WhatsApp



ANY DAY, ANY HOUR

Opens a chat with us.
Have your serial number to hand.

Thank you

Keep this booklet in the car. What the Monte GTR does is all in here, and page 24 gathers the questions we are asked most.

Anything it does not cover — the product, the installation, your car — write to us. WhatsApp or e-mail, any day. Page 25.

