

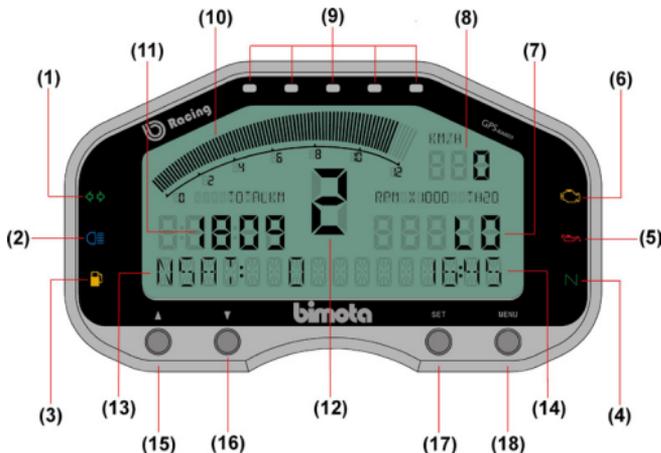
DASHBOARD USER GUIDE



INSTRUMENT PANEL

Indicators and lights are inside the instrument panel. Their functions are described in the following pages.

- (1) Turn signal indicator light
- (2) High beam indicator light
- (3) Fuel indicator light
- (4) Neutral indicator light
- (5) Oil pressure indicator light
- (6) Injection malfunctioning indicator light
- (7) Coolant/air temperature indicator
- (8) Speed indicator
- (9) Gear change indicator light /
Low coolant temperature indicator light
- (10) Tachometer
- (11) Odometer / Trip1 / Trip2
- (12) Selected gear indicator
- (13) No. of satellites connected to the instrument
- (14) Time, warning/diagnostics messages, current page
- (15) ARROW UP button
- (16) ARROW DOWN button
- (17) SET button
- (18) MENU button



Ref.	Description	Function
(1)	Turn signal indicator light (green)	When the turn signal is being operated, this indicator light will flash.
(2)	High beam indicator light (blue)	When the headlight high beam is turned on this indicator light will illuminate.
(3)	Fuel indicator light (amber)	When the fuel in the fuel tank drops below approximately 5 litres (1.2/1.1 US/imp. Gal) this light will illuminate. Each time the ignition switch is turned to the "ON" position all the indicator lights will illuminate to confirm their functioning properly.
(4)	Neutral indicator light (green)	When the transmission is in the neutral position this indicator light will illuminate.
(5)	Oil pressure indicator light (red)	With the ignition switch in the "ON" position but the engine not started, this indicator light will illuminate. As soon as the engine is started, this indicator light will switch off. When the engine oil pressure drops under the normal operating range, this red LED will illuminate until sufficient oil pressure is restored.
(6)	Injection malfunctioning indicator light (amber)	When a problem with the injection system is detected this indicator light will illuminate.

Ref.	Description	Function
(7)	Air temperature (TAIRE) / engine coolant temperature (TH2OE)	Alternatively displayed are: - the ambient air temperature - the engine coolant temperature
(8)	Speed indicator	Indicates vehicle speed in km/h or mph.
(9)	Gear change indicator light	- Indicates over-revving of the engine (at 8900 rpm) - Generic warning. The central LED illuminates when you start the engine and it remains lit till the engine reaches the correct minimum operating temperature.
(10)	Tachometer	Indicates the engine speed in revolutions per minute (rpm) x1000.
(11)	Odometer / Trip1 / Trip2	Displays total distance covered (ODO) and the trip distances (TRIP1, TRIP2)
(12)	Selected gear indicator	Displays the selected gear. (The selected gear displayed is calculated as ratio between the rear wheel speed and the engine rpm).
(13)	No. of satellites	Indicates how many satellites the instrument is currently connected to.
(14)	- Time - Warning / Diagnostics - Current page indicator	- Time (automatically updated via integrated GPS system) - Possible Warning/diagnostic messages - Current instrument selected page

FUNCTIONING PRINCIPLE AND POSSIBLE CONFIGURATIONS

The dashboard installed on your Bimota can be transformed into a real GPS time keeper with data recording simply by pushing a button. Depending on the options installed you can have many functions at your disposal that will allow you to analyse and improve your riding performance.

The dashboard installed on your Bimota has three different configurations:

Standard configuration: one main page shows the basic parameters of the instrument. In this configuration the following parameters can be displayed and recorded: lap times, on track paths, selected gear, speed, engine rpm, TPS (throttle position sensor), ambient air temperature, engine coolant temperature, battery voltage and GPS parameters (number of satellites, latitude, longitude, altitude).

It's possible to access to the included tracks library or to make a customised path to be saved both on your PC and on your instrument.

"Vehicle Handling" configuration (Optional): this functioning mode can be only enabled after having mounted the "Vehicle Handling" kit (optional). In this configuration the user can switch between two pages: the first page (MAIN) is the same as the standard mode, the second page (PAG1) allow you to display and to calibrate the suspension sensors supplied together with the "Vehicle Handling" kit.

In addition to the channels showed in the Standard mode the suspension parameters and front wheel speed can be displayed.

PROFI configuration (Optional): this functioning mode can be only enabled after having installed the PROFi kit (optional). In this configuration three different pages are available (MAIN, PAG1, PAG2) and user has the possibility to set up the last page (PAG2) as desired deciding which channels will be displayed and where on the dashboard.

The following channels are showed and recorded in addition to those managed in the “Vehicle Handling” Configuration: engine oil pressure, front brake lever pressure, LAMBDA probe, thermocouple output and an additional personalized sensor (if installed).

NOTE: the lap times are taken through the GPS system: this solution enables interval lap timing without the use of any other sensor or device that must be placed on the pit lane wall or around the track. The GPS is a positioning system based on probability therefore its correct functioning is closely related to the signals sent by the satellites. In case of electromagnetic or environmental disturbance that could reduce signal reception the accuracy of recorded data cannot be guaranteed. To assure accuracy of the recorded lap time the minimum number of satellites to be connected must be 5.

SYSTEM USE IN STANDARD CONFIGURATION

The procedures the user has to perform in order to make the most of the Bimota instrument capabilities in STANDARD configuration will be described below.

Buttons use and functions

The functions of the instrument buttons are summarized in the following table:

Button	Press or Hold	Function
ARROW UP	press	Scrolling through the menus
	hold	Data and lap time recording Start / Stop
ARROW DOWN	press	Scrolling through the menus
	hold	Entry in the selection menu / track making up
SET	press	- None -
	hold	Switching between air / engine coolant temperature (Field 7)
MENU	press	Switching among ODO / Trip1 / Trip2
	hold	Reset of Trip1 and Trip2

NOTE: for PRESS it is intended to depress and then release the button in less than 3 seconds. For HOLD it is therefore intended to depress the button and maintain the depressed position for more than 3 seconds.

Instrument reset

To restore the instrument to the factory values:

- press the SET and MENU buttons at the same time during start up: the message "RESETTING: YES" is displayed;
- to restore the instrument to the original factory values press the SET button, otherwise press the ARROW UP button until the message "RESETTING NO" is displayed;
- press the SET button: the MAIN page will be displayed.

NOTE: this operation will erase any new tracks that had previously been defined by the user.

Odometer / Trips function management

The instrument displays the Odometer in field 11; in the same field the two partial odometers (TRIP1 and TRIP2) can be displayed by briefly pressing the MENU button. The partial odometer (displayed in field 11) may be reset by holding the MENU button (for more than 3 seconds).

Selection of a track from the library

Most of the important tracks located in Italy and Spain are preloaded in the instrument's Track Library: thanks to the detection of the GPS coordinates the tracks are automatically set-up. Please remember that the automatic set-up only works if at least 5 satellites are being received (the number of receiving satellites is displayed in field 13). In the case that more than one version of the same track are present in the library (e.g. MONZA SBK and MONZA GP with different goals and time intervals) the instrument will load the first track found in the internal memory list.

If you want to modify the loaded track:

- hold the ARROW DOWN button (for more than 3 seconds) until the word REPORT is displayed in field 13;
- press the ARROW UP or ARROW DOWN button till the message LOAD LIB TRACK is displayed;
- press the SET button (you will enter the track library of the instrument);
- using the arrow buttons scroll up or down to find the desired track;
- press the SET button to confirm choice;
- press the MENU button to return to the MAIN page of the instrument.

Start /stop of lap timing and data recording

To enable lap timing and data recording proceed as follow:

- hold the ARROW UP button depressed until the OD/Trip indicator switches to the lap timer. The data recording and the lap time recording are now started and the coloured LEDs will flash for few seconds;
- hold the Arrow UP button depressed again: the recording is stopped and the ODO/Trip indicator will again be displayed.

NOTE: when passing through a goal or a sector the instrument will display the time advantage or delay compared with the best lap of the session in field 13. Otherwise the best lap time performed in the session (Best Time) is displayed in the same field.

If satellites are not received by the instrument then the message NO SAT will be displayed and lap times and track paths cannot be recorded (anyway all the other data channels of this configuration will be recorded).

If you try to start the data recording at a track not present in the instrument then the message NO TRACK will be displayed: in this case the lap times will not be available but all the data channels and the track paths will be recorded.

NOTE: please refer to the GATE software user's manual to download and display the recorded data.

Unit of measurement and time zone change

Pressing the MENU button during the display start up allows you to access the menu where unit of measurement and clock time zone can be changed.

To change the unit of measurement of the speedometer/odometer and the time zone proceed as follow:

- turn the ignition key to the ON position holding the MENU button depressed: the message TIMEZONE will be displayed and the time zone will be set (e.g. +01).

To change the time zone:

- press the SET button and change the value (flashing time) using the arrow keys;
- to confirm the selected value press the SET button,
- to cancel the modification press the MENU button once.

If you want to change the speedometer/odometer unit of measurement (km/h - mph):

- press one of the Arrow Keys until the message UNIT and the current unit of measurement (e.g. km/h) are displayed;
- press the SET button (the unit of measurement starts to flash) then select the desired value (either MI: miles or KM: kilometers);
- press the SET button to confirm the modification or press the MENU button once to cancel.

To go back to the MAIN page press the MENU button.

NOTE: the instrument clock is set on the values received from the GPS (referred to the Greenwich meridian). Set the instrument to the correct time before beginning to avoid any error.

