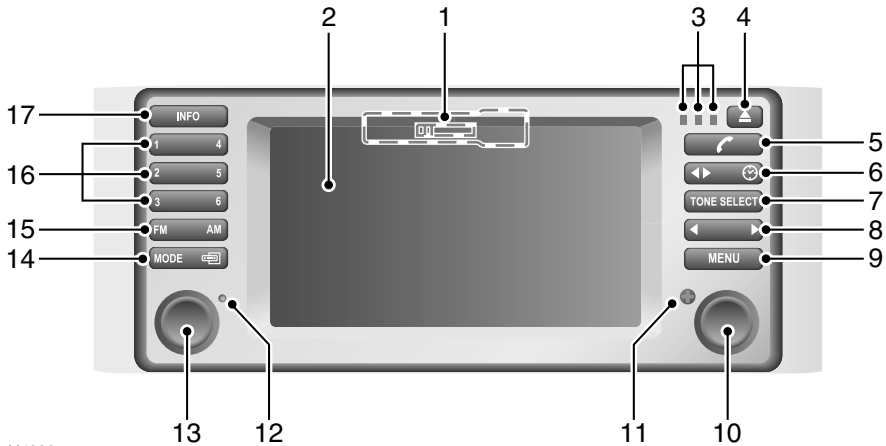# On-Board Computer

H4098

CONTROL PANEL

1. **Cassette slot** (access behind display panel)
2. **Display**
3. **Telephone operation lights**
   Yellow: phone logs into another network.
   Green: connection has been established.
   Red: connection not possible.
   Red flashing: phone not registered or SIM not inserted
4. **Open/close display panel**
   Press to open the display panel for access to the cassette tape slot (1).
   Press again to close the panel.
5. **Telephone functions button**
   Press to call an entered phone number.
   Press to end a call.
6. **Cassette track select or independent ventilation control time button**
   Press the arrows to select cassette track
   Press clock icon to select independent ventilation off.
7. **TONE/SELECT button**
   Press **TONE** to change bass/treble/fader/balance.
   Press **SELECT** for radio search function or, in cassette mode, to change Dolby function.
8. **Search button**
   In radio, cassette or CD modes.

9. **MENU button**
   Press to obtain the general menu and also to return to the menu from a system feature.
10. **Right rotary control**
    Turn to select a menu item, press to confirm selection.
11. **Auxiliary heater or independent ventilation warning light**.
12. **Radio light**
    Indicates that the radio has been turned on.
13. **Left rotary control**
    Press to switch radio on or off.
    Turn to adjust volume.
14. **MODE button**
    Each time the mode button is pressed, the mode switches between radio, cassette and CD. The tape icon button switches between radio, tape or CD and the on-board computer system that is active.
15. **FM/AM select button**
16. **Station/CD buttons**
    Press to select a pre-set radio station, or select a CD in the autochanger.
17. **INFO button**
    Activates RDS and TP functions.

ON-BOARD COMPUTER

The on-board computer must be selected from the general menu before you can carry out any of the on-board computer functions.

On-board computer functions

In addition to those functions shown, your on-board computer has the following functions:

- Speed limit notification.
- Range.
- Distance.
- Arrival time.
- Outside temperature.
- Fuel consumption.
- Stopwatch.
- Speed.
- Remote control.
- Code interlock.
- Auxiliary fuel-burning heater/independent ventilation control.
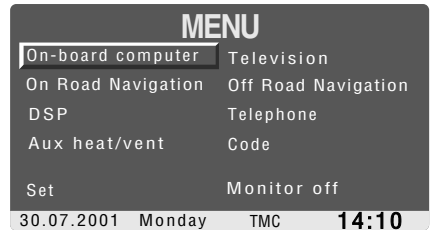
WARNING

Perform all inputs while the vehicle is stationary. The vehicle and occupants could be placed in danger if the driver's concentration is not focused on the road conditions.

Speed limit notification

You can make a decision on what is your preferred top speed limit, depending on road conditions and legal requirements.

For example, you may decide that your maximum speed on a UK motorway is 70 miles per hour and therefore want audible and visual signals when this speed is exceeded.
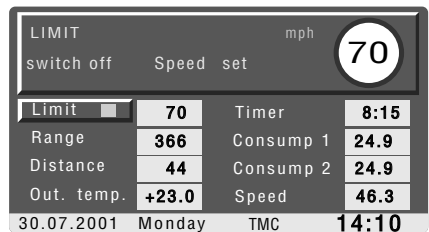
The following is a proceedure describing how to achieve this example.

H4111

- Press the MENU button (9) to see the general menu screen.
- Turn the right rotary control (10) until 'On-board computer' is highlighted.
- Press the right rotary control (10) to select it.

To set the speed limit notification:

H4113

- Turn the right rotary control (10) until 'Limit' is highlighted.
- Press the right rotary control (10) to enable inputs to be made.

To enter the required speed limit:

- Turn the right rotary control (10) until 'Set' is highlighted.
- Press the right rotary control (10) to begin making inputs.
- Turn (10) until the desired speed is displayed.
- Press the right rotary control (10) to memorise this value.
  A green rectangle lights up next to the word 'Limit'.

To store the actual speed as your limit value.

- Select 'Limit'.
- Select 'Speed'.

When the limit is reached:

1. The warning signal is heard.
2. The rectangle next to the word 'Limit' turns red.
3. The selected speed limit is shown briefly on the instrument panel display.

The speed limit reminder is only repeated if the vehicle has in the meantime been driven at least 3 m.p.h. slower.

Range

RANGE			
		366 mls	
Limit ■	70	Timer	8:15
Range	366	Consump 1	24.9
Distance	44	Consump 2	24.9
Out. temp.	+23.0	Speed	46.3
30.07.2001	Monday	TMC	14:10

H4114

Range is the distance which the vehicle should cover on the remaining fuel in the tank. It is displayed and calculated on the assumption that the average fuel consumption will be maintained.

NOTE: When refuelling, the on-board computer only registers amounts in excess of four litres.

Distance

DISTANCE		ARRIVAL TIME	
44 mls		15:26	
Limit ■	70	Timer	8:15
Range	366	Consump 1	24.9
Distance	44	Consump 2	24.9
Out. temp.	+23.0	Speed	46.3
30.07.2001	Monday	TMC	14:10

H4115

If you entered a destination in the GPS navigation system before the start of your journey you can access a display showing the remaining distance to that destination .

The distance to the destination by the planned route is transferred automatically.

You can also enter a distance without first entering a destination.

Arrival time

An estimated time of arrival will be displayed, based on your average speed so far.

This pre-supposes that you have set the clock in the on-board computer to the correct time.

On-Board Computer

Outside temperature

OUTSIDE TEMPERATURE

+23.0 °C

Limit ▪	70	Timer	8:15
Range	366	Consump 1	24.9
Distance	44	Consump 2	24.9
Out. temp.	+23.0	Speed	46.3

30.07.2001 Monday TMC **14:10**

H4116

You can view an outside (ambient) temperature display when you select the menu item 'Out. temp'.

NOTE: If the menu item 'Arrival' is shown here instead, go into 'Set' and select the on-board computer display 'Out. temp'.

Fuel consumption

CONSUMPTION 1

24.9 mpg

Limit ▪	70	Timer	8:15
Range	366	Consump 1	24.9
Distance	44	Consump 2	24.9
Out. temp.	+23.0	Speed	46.3

30.07.2001 Monday TMC **14:10**

H4117

You can display the average fuel consumption for two routes, e.g. for the entire journey and for a section of it. The average fuel consumption is calculated for the period since the engine was last started.

To start the fuel consumption calculation, the key must be in the ignition at position 'I' or 'II':

- Select 'Consump 1'.
- 'Recalculate? Yes'.

If at some point during your journey you wish to calculate fuel consumption for a particular part of that journey, select 'Consump 2'.

Select 'Recalculate? No'if you want the average fuel consumption for the entire journey to be retained.

Stopwatch (Timer)

TIMER 8:15 h **9:23** h

◄ return Interim time start

Limit ▪	70	Timer	9:23
Range	366	Consump 1	24.9
Distance	44	Consump 2	24.9
Out. temp.	+23.0	Speed	46.3

30.07.2001 Monday TMC **14:10**

H4118

Starting and stopping:

- Select 'Timer'.
- Using the right rotary control (10), highlight 'Start'; the stopwatch will begin to run when the right rotary control (10) is pressed, and the computer switches over to the stopwatch function.
- To stop it, press the right rotary control (10) again.

Taking an interim time reading:

- Highlight 'Interim time' - the interim time appears on the display when the control is pressed.

The stopwatch will continue to run until it is stopped, even if you exit the menu via 'return' or call up any other function.

On-Board Computer

Speed


```
AVERAGE SPEED
                        46.3 mph

Limit      ▢    70     Timer          8:15
Range          366     Consump 1     24.9
Distance        44     Consump 2     24.9
Out. temp.   +23.0     Speed         46.3
30.07.2001   Monday    TMC          14:10
```
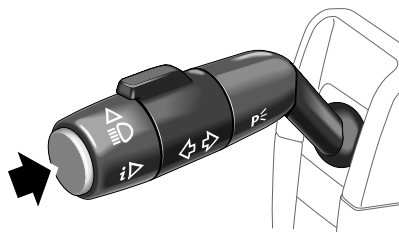
H4112

You can access a display of the vehicle's average speed. The average speed is calculated for the period since the engine was last started.

To start the average speed calculation, select the following with the ignition key in position 'I' or 'II':

- 'Speed'.
- 'Recalculate? Yes'.

To recalculate the average speed as a continuation of the previous reading select, 'Recalculate? No'.

Remote control


```
REMOTE CONTROL
Limit                 Timer
Distance              Consump 1
Range                 Consump 2
Arrival time          Average speed
Date                  Timer 1
Clock                 Timer 2
                      memorise
30.07.2001  Monday    TMC      14:10
```

H4119

The on-board computer information can be called-up on the instrument panel message centre by using the button on the end of the direction indicator lever, if the ignition key is in either position 'I' or 'II'.

To select the functions you wish to display:

- Press in the button on the lever until 'Remote control' appears on the screen.
- With the right rotary control (10), select the desired functions from those against the green background.
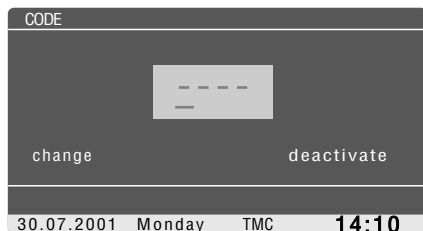
When you have chosen all the displays you need:

- Select 'Memorise'.

To call up the selected functions on the instrument pack message centre, press in the button on the direction indicator lever briefly. Repeated presses will display other selected functions.

On-Board Computer

Engine interlock code

CODE

– – – –
_

change   deactivate

30.07.2001   Monday   TMC   14:10

H4182

You can choose to enter a 4-digit code which will lock the ignition system. When the code has been activated, the engine will not start unless the code is deactivated.

NOTE: When the code is activated, the driver will need to enter the 4-digit code each time the engine is started. If the code is not available or has been forgotten, emergency deactivation is possible.

Activating the code

- Select 'Code' from the general menu.
- Turn the right rotary control (10) until the first digit of the desired number appears
- Press the right rotary control (10) to confirm it.
- Enter the remaining three digits in the same manner.
- To activate the code, turn the ignition key to position '0'.

Correcting an input

- Select 'Change'.
- Repeat the input procedure from the beginning.

To cancel the inputting of the code, press the 'MENU' button (9). No code is set.

Deactivating the code

When you are required to enter the code (in ignition key position 'I'):

- Turn the right rotary control (10) until the first digit of the code appears.
- Press the right rotary control (10) to confirm it.
- Enter the remaining three digits in the same manner.
- Select 'Deactivate'.

To correct the input, select 'Change' and repeat the code input.

NOTE: After three incorrect code inputs or three attempts to start the engine without a code input, an alarm will sound for 30 seconds.

Auxiliary fuel-burning heater/independent ventilation control*

The auxiliary fuel-burning heater/independent ventilation control can attain a more comfortable temperature in the passenger compartment prior to entry through use of the Timer Preset feature, or, while inside the vehicle by use of Direct Mode. The auxiliary heater/ventilation feature operates without running the vehicle's engine.

Initiation of this action is from the on-board computer, via Direct Mode or Timer Preset.

Direct Mode

NOTE: Auxiliary heating can be used with the starter switch in positions 'I' or 'II' or with the engine running
If independent ventilation is preferred to air conditioning, the starter switch must be in position 'I'.

- Select 'Aux.heat/vent' in the general menu.
- To switch on, select 'Aux. heating' or 'Aux. ventilation'.
  The green rectangle next to the function illuminates and the red auxiliary heater/independent ventilation warning light flashes.

The auxiliary heater/ventilation control shuts down after 30 minutes.

To switch off before the 30 minutes timer, press the independent ventilation control time button (6), until the red fan symbol on the screen surround goes out.
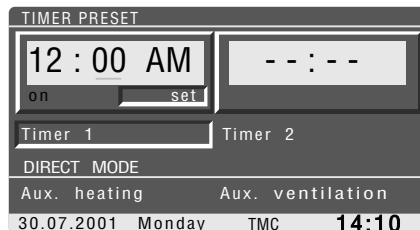
Timer Preset

An electronic control unit checks for an ambient exterior temperature of 16°C before determining if heating or ventilation is required.

If the temperature is below 16°C, the unit will activate the auxiliary heater until the interior temperature reaches that previously set on your heater controls.

If the temperature is above 16°C, the unit will activate the independent ventilation until the interior temperature matches the exterior ambient temperature.

The system will automatically shut down after 30 minutes.

H4120

You can program two timer settings for the auxiliary heating/independent ventilation control.

- Make sure that the clock is in operation and the ignition key is in position 'I' or 'II', or with the engine running.
- Select 'Aux. heating' or 'Aux. ventilation'.
- Select 'Timer 1'.
- Select 'on'.
- Select 'set'.
- Enter the desired 'on' time.
- Select 'off'.
- Select 'set'.
- Enter the desired 'off' time.
  The green rectangle next to the timer selected and the red auxiliary heater/independent ventilation warning light will illuminate.

NOTE: The maximum length of heating / ventilation is limited to 30 minutes.

- If a second timer setting is required, repeat the above process for 'Timer 2'.

NOTE: The heater/ventilation can only be set to switch on within the next 24 hours. After this the time must be confirmed again.