

1. INTRODUCTION AND SET UP

Important instructions for use and safety and traffic safety

The Alfa Romeo I.C.S. (Integrated Control System) makes the driver's task easier in controlling the main functions of the vehicle.

In order to avoid creating danger for yourself and for others when using your I.C.S., please pay attention to the following points:

- use of the cell phone is prohibited near explosive substances;
- the I.C.S. system must be used when you are in full control of your car; in the event of doubt, stop to carry out the different operations.

The navigation system allows you to reach your destination through the traffic and indicates to you any change of route memorised on the navigation CD. In fact the system takes account of all information concerning the roads when calculating the route, advising the best way. However, it does not take into consideration traffic conditions or sudden obstructions or any other inconvenience.

The Alfa Romeo navigation system helps driver while he drives, by suggesting vocally or graphically, the optimum routing to reach his preset destination.

WARNING: Navigation system suggestions do not excuse driver from his full responsibilities due to his driving behaviour and to his compliance with road and other traffic regulations.

The responsibility for road safety always lies with vehicle driver, and it falls on him in any case.

All manoeuvres must be carried out abiding by the highway code, regardless of the advice given by the navigation system. Should you leave the recommended route, the I.C.S. system will calculate a new one for you and suggest it to you.

1.1 I.C.S.: ALFA ROMEO ENHANCED COMFORT AND FUNCTIONALITY

The I.C.S. controls and offers information for the following systems:

- Climate control
- On-board computer

- Audio
- Audio with DSP* system and CD* player
- Telephone*
- Navigation*

*Optional for versions/markets where applicable.

The interface is the multifunction information display for all the integrated components. The I.C.S. offers optimum functionality, allowing the driver to interactively receive clear instructions structured according to the single groups of the I.C.S. units, thereby providing you information about all the possibilities offered by your I.C.S. system.

1.2 GENERAL INSTRUCTIONS FOR USE

The I.C.S. can easily be used by both driver and passenger through the multifunctional information display.

Multifunctional information display

The colour display comprises a 5" LCD screen (approx. 7.5 x 10.3 cm) with active matrix. During the day the display brightness can be set in relation to the brightness of the passenger compartment, while during the night, with the vehicle lighting system working, the colours used for the screen can be adapted to optimise display visibility.

Controls

The I.C.S. controls and functions are described in the folded page inside the cover. Getting acquainted with a few controls will allow you to use all the integrated functions completely integrate.

Use of the I.C.S.

The I.C.S. display shows the single pages of the functions of the integrated units. Each page displays on the screen information about the current system status. Using the cursor you can select the elements and items of the lists required and carry out the functions selected. The cursor is moved using the knob **11** on the right bottom part of the I.C.S.. Lightly pressing the knob **11** the corresponding function selected activated.

Main function keys **22, 23, 24, 25, 26 and 27**

It is possible at all times, regardless of the level the system is in, to pass from one main function to another.

Returning to the starting function returns to the same point and same level as before.

From a lower function page, you can move to the first page pressing the main function key of the function.

Selecting “Go back”

To move from one function page to the previous page displayed, select “Go back”.

Cancelling selection of the list

If a list is selected by mistake, this can be corrected as follows:

- If you want to carry out other operations after exiting the list, select either the last item selected or any other item, staying in the same function page;
- once a determinate function has been performed automatically (for example saving settings) press the main function key of the current function **22, 23, 24, 25, 26** or **27**, thereby returning to the corresponding first function page.

Darkening function (anti-glare)

The DARK key **13** switches the I.C.S. display on or off.

Cancelling or suspending the darkening function

Starting from the dark screen:

— with the main function keys **22, 23, 24, 25, 26, 27** the screen lights up and the main function selected is activated, regardless of the previous page setting;

— with the DARK key **13** or the knob **11** the screen lights up showing the function page displayed previously;

— with all the other keys or with the volume control **21** the screen is darkened when performing the associated function;

— if the limits set are exceeded, the limits screen appears for approx. 3 seconds, followed by darkening of the screen.

“Correct” function and correction field “C”

To correct a selection, select the item and use the knob **11** with two different times:

— for less than 1 second: to delete the last entries;

— for more than 1 second: to delete the contents of the entry field.

1.3 TURNING THE I.C.S. ON/OFF AND STAND-BY FEATURE

1.3.1 Turning the engine on/off

The I.C.S. is turned on and off automatically turning the ignition key to **MAR** or **STOP** respectively.

1.3.2 Through the volume control

The I.C.S. is turned on and off (also with the ignition key off) pressing the volume control **21**.

With the ignition disabled, the I.C.S. automatically turns off after 1 hour, to avoid draining the battery.

1.3.3 Stand-by feature

The stand-by operating condition corresponds to dark screen and volume off.

During operation and with the ignition on, the I.C.S. can be set to stand-by pressing knob **21**. In this condition the system works invisibly and the telephone is ready to receive a call.

If a limit activated is exceeded during stand-

by the corresponding warning message is displayed.

Switching the I.C.S. on again

To switch the I.C.S. on again, proceed in one of the following ways

- press knob **21**;
- answer a phone call pressing the receiver key **16**;
- press one of the main function keys **22**, **23**, **24**, **25**, **26** and **27**;
- press the MAP key **12**;
- press or turn knob **11**;
- press the DARK key **13**;
- insert the SIM card.

1.4 UNIT AND NAVIGATION CODE

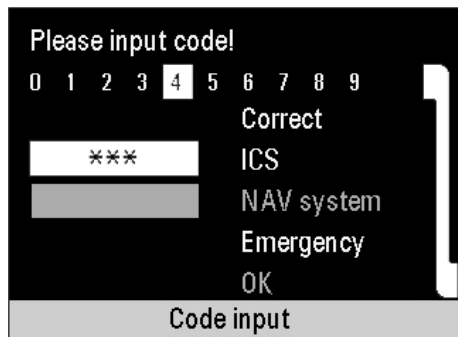
The I.C.S. system and the integrated navigation system are each protected by a specific access code.

Both codes must be entered at the first time of turning on, firstly entering the I.C.S. code.

If a power failure occurs (e.g. battery replacement or a blown fuse) it is necessary to enter the I.C.S. code and the integrated navigation code again.

Code entry

1. Switch on the I.C.S.
2. The prompt to enter the I.C.S. code is displayed.
3. The I.C.S. code to be entered is formed of 4 digits which are entered and confirmed through knob **11**: the digits are selected turning the knob and pressing to confirm. After entering the I.C.S. code select "OK".
4. Similarly, now the NAV code can be entered to activate the navigation system. If the NAV code is not entered, the other system



1.A.

functions are still available (telephone, on-board computer, sound system, main screen and climate control).

5. To correct any entering mistakes, move the pointer to "Correct" pressing the knob:

- for less than 1 second: to delete the last digit entered;

- for more than 1 second: to delete the whole contents of the entry field.

Then enter the correct number.

Entering a wrong code

The entry of three wrong codes consecutively will lock the system for about 10 minutes. Another 3 wrong entries block the system again for about 10 minutes. At the third set

of wrong entries, and for subsequent terms of errors, the system will be blocked for about 60 minutes.

The I.C.S. system emergency call function will however remain enabled.

Warning The I.C.S. and NAV codes are part of the system documentation and should be kept with due care for security reasons (not in the car).

1.5 BRIEF INSTRUCTIONS FOR THE I.C.S.

The I.C.S. system has a very simple and intuitive interface: therefore the few instructions given below are all you need to be able to quickly get acquainted with and use the different functions. In use of the system follow the instructions that appear on the screen.

The items that cannot be selected are always shown in grey.

To learn about and better understand the other functions you are advised to read from chapter 2 to 7.

1.5.1 Main screen (MAIN)

The main screen (MAIN) is obtained pressing key **22** on "MAIN": this video page accesses the following information:

Time display

Outside temperature display

Radio

- display of wavelength and station selected;
- display of broadcaster name or frequency;
- display of abbreviation "TP" for traffic information bulletin.

CD player

- display of CD number and track number.

Cassette player

- display of CASSETTE with direction of tape.

Telephone

- display of operator's name through which the phone network is accessed;
- display of measured field intensity;
- display of details of telephone connection (name, phone number to which you are connected and duration of current conversation).

Navigation

- display of suggestion of direction;
- display of suggested navigation parameters (distance at which a change of direction is advised);
- display of name of suggested road;
- display of name of current road.

1.5.2 Audio system (AUDIO)

The audio function screen is obtained pressing key **23**.
The functions available are:

General information

- volume adjustment function with key **21**;
- sound setting adjustment function (treble, bass, etc.) selecting "Settings" of the main audio function page (note: SDV stands for Speed Dependent Volume);
- sound setting adjustment function DSP (Digital Sound Processing) selecting "Settings" and then "DSP";

Radio

- AUTO BEST function, i.e. the I.C.S. automatically selects the channel required on the frequency with the best signal;
- radio wavelength selector function (UKW, FM, MW) with keys **3** or **4**;
- broadcasting station memorising function with keys from **5** to **10**, pressing for more than 2 seconds;
- station recall function with keys from **5** to **10**, but pressing them for less than 2 seconds;
- automatic station seek function pressing buttons **19** or **20**;

— manual frequency setting function turning knob **11**;

— traffic information receiving function selecting "TP" on/off;

Cassette player

- play function (play), inserting the cassette in the slot;
- play function pressing key **2** when the cassette is already in;
- fast-forward in both tape directions with keys **19** or **20**;
- play after fast forward pressing keys **19** or **20** again;
- eject cassette pressing key **17**;

CD player

- play function pressing key **1**;
- select CD pressing keys from **5** to **10** for loader with 6 CDs;
- quick move to next piece pressing keys **19** or **20** for less than 1 second;
- quick move to subsequent tracks pressing keys **19** or **20** for more than 1 second;

- play the beginning of each piece (scan) and random selection (shuffle) through the corresponding selectors.

1.5.3 Telephone (TEL) (optional for versions/ markets where applicable)

General information

Press key **24** to access the Telephone functions.

SIM card and PIN entry

- the telephone is enabled to send and receive only after inserting the SIM card and entering the PIN code as indicated on the monitor.

Warning The SIM card must be removed when the unit is off to avoid damage and data loss.

Emergency call function

The emergency call function is always enabled whether the SIM card is in its slot or not. This function is accessed through:

- “emergency call” automatic dialling;
- manually dialling the emergency number.

Manual dialling

The manual dialling function of the main telephone function page makes the following operations possible:

- entry of the number to be dialled turning and pressing knob **11**;
- number calling pressing the receiver key **16**;
- end of telephone connection pressing key **16** again.

Other functions

See chapter 4. Telephone (TEL).

1.5.4 Navigation (NAV) (optional for versions/ markets where applicable)

General information

The navigation functions are accessed pressing key **25**.

Entering the destination

- “Destination” on the main function page;
- “Address” on the “Select destination” page;
- destination address entry (through “City”, “Str.” and “No.” fields) turning and pressing knob **11**;
- route calculating function selecting “Guidance” (destination guide);
- destination alternative items entering “Intersection”, “Points of Interest” (places memorised previously on the I.C.S. system), “Destination memory” (destinations memorised previously on the I.C.S. system) or “Recent destinations” (memorised automatically) instead of the “Street address” field.

Route selection

- “Route” selection on main function page;
- select the criteria for choosing the route turning knob **11**.

Guide to destination

- guidance through visual signals (arrow with message to change direction, arrow with direction of destination, indication of distance

and name of street to take) and acoustic signals (voice instructions);

- function for listening again to the last voice instruction using the REP key **15**;

- the road map is shown selecting the MAP key **12**;

- the map display dimension is changed turning knob **11** or selecting “Zoom +” and “Zoom —” from the list displayed temporarily pressing knob **11**;

- other items relating to “Map display” can be selected pressing knob **11** and selecting from the list which disappears automatically.

Other items on the main navigation function page

- “Volume” of navigation system acoustic instructions;

- “Info” (information) concerning the destination, correct position and GPS reception.

Other functions

See navigation (NAV) in chapter 5.

1.5.5 On-board computer (TRIP)

General information

The computer functions are accessed pressing key **26**.

The computer supplies data concerning the journey and system settings which can be changed selecting “Settings” with knob **11**:

- language selection;
- consumption display selecting unit of measurement;
- distance to destination display set with choice of unit of measurement (km or miles);
- temperature display selecting unit of measurement (°C or °F);
- activation function with visual and acoustic signal when the set speed limits are exceeded;
- day/time display based on the GPS system, with selectable time zone and summer time;
- display setting functions.

1.5.6 Climate control unit (CLIMA)

General information

The climate control unit (CLIMA) functions are accessed by:

- pressing key **27**;
- manually changing the settings of the heating/climate control adjustment, if another function page was activated previously.

More important information:

- inside temperature setting display;
- fan setting symbol display;
- air distribution symbol display (wind-screen, centre vehicle, floor);
- maximum defrosting on/off symbol display;
- conditioner compressor on/off condition display;
- air recirculation on/off symbol display;
- “MANUAL” or “AUTO” warning display for setting manual change or automatic operation.

1.6 I.C.S. MAINTENANCE

The I.C.S. requires some careful attention to keep it in full working efficiency:

- the monitor is sensitive to scratches, liquid detergents and UV rays;
- the unit may be damaged beyond repair if liquids get into it.

Advice for cleaning

The I.C.S. should be carefully cleaned periodically using a soft, clean, dry cloth.

Warnings

- In the event of a fault the I.C.S. system must only be checked and repaired by Alfa Romeo Authorised Services.
 - If the temperature is particularly low, the monitor reaches the optimum brightness after a certain operating time.
- Contact Alfa Romeo Authorised Services for updated map data. The use of updated data could also involve system update with respect to what contained in this manual.

1.7 SYSTEM SOFTWARE UPDATING

The system software can be updated as soon as new versions for the I.C.S. software and for the navigation module software are available. The new software loading operations take place automatically when a new navigation CD ROM is inserted, also with the ignition key off.

Contact Alfa Romeo Authorised Services for updated map data. The use of updated data could also involve system update with respect to what contained in this manual.

Software updating can be identified in two ways:

- display of the associated signalling messages on the main screen MAIN or on the main navigation page;
 - display of a rectangle in the centre of the monitor and indication of the progress of the loading process with its gradual filling. The two loading phases display the rectangle twice.
- Any fault found during loading is given under the rectangle.

Warnings

- During navigation software updating only the I.C.S. functions are available.
- The software updating process should be carried out with the vehicle stationary, to allow quick determination of the current position.
- The software updating process can require several minutes.

Indication of the current I.C.S. software version

The data referring to the I.C.S. software, navigation software and map versions can be displayed selecting the climate control display page and pressing knob **11** for at least 1 second.