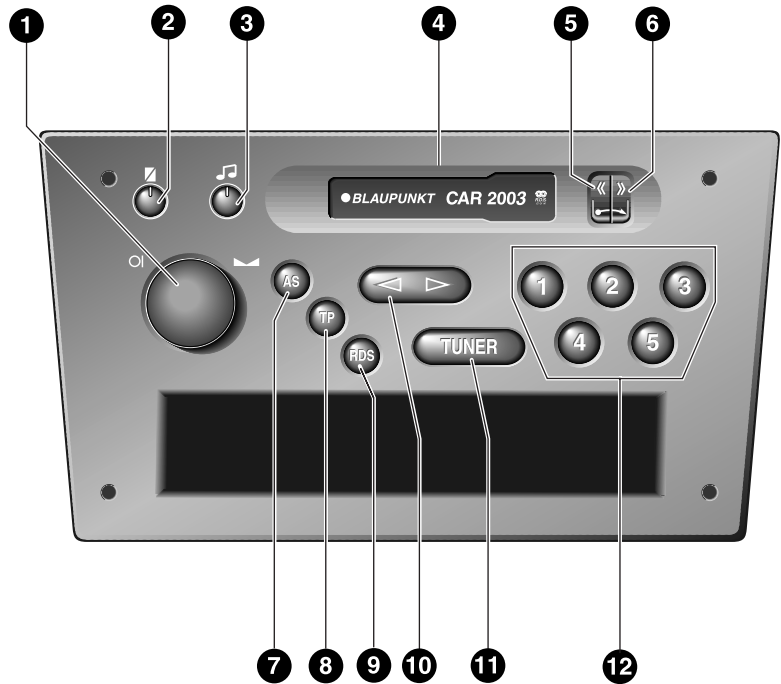












Radio Type CAR 2003



Overview

No. Symbol Function

- | | | |
|----|---|--|
| 1 |  | On / off switch: Press |
| |  | Adjust volume: turn |
| |  | Adjust balance: pull and turn |
| 2 |  | Fader adjustment |
| 3 |  | Tone settings:
Bass and Treble |
| 4 | - | Cassette compartment |
| 5 |  | Cassette fast rewind |
| 6 |  | Cassette fast forward |
| |  | Eject cassette |
| 7 | AS | Select AS frequency range
automatic storing |
| 8 | TP | Switch traffic information on /off |
| 9 | RDS | RDS Switch RDS on /off |
| 10 |  | Search tuning down |
| |  | Search tuning up |
| 11 | TUNER | Select band with (U or M) |
| 12 | 1...5 | Preset station controls 1 to 5) |

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General explanation

Information on this operating manual


In order to quickly gain an overview of the of the CAR 2003, see the survey of all the controls in the Overview (see page 1).

If you are searching for a specific topic, the index at the end of the operating manual should help you to find it more quickly.

Detailed descriptions of your car radios function can be found in the chapters entitled "Radio" and "Cassette." Information on seldom used functions can be found in the chapters "Extended functions" and "Coding."

Should your car radio stop working, consult the chapter on "Troubleshooting". Doing so often means avoidable errors can be quickly remedied.

The following symbols help you understand the operating instructions.

-  A hand before the text demands you to do something.
- ✓ A tick before the text shows reaction of the set.
- A bullet before the text gives you additional information on a subject.
- A square before the text marks an enumeration.
- ⚠ A security or warning note contains important information on the safe operation of your CAR 2003.
- ▶ An arrow shows that the current topic is continued on the following page.

Display Unit

The display unit in your car (see the car manual) is also used for displaying the radio information with appropriate item in use illuminated.



Example: Display with all icons shown for radio information.

Display icons

Icons in the display show the different operation modes of the CAR 2003.

Depending on the vehicle version deviations are possible.

Radio

- AS** AS storage level is selected on FM or MW.
- RDS** RDS (Radio Data System) is switched on.
- EON** The tuned station is linked via RDS to a station broadcasting traffic reports. Traffic reports are put through.
- []** TP (Traffic Program) is switched on, but no TP station is tuned in.
- TP** The tuned station broadcasts traffic reports.

Theft Protection

Coding

This set is provided with a passive security system and comes coded from the factory.

A coded set is worthless to a thief.

The radio code is stated on your Radio Pass or Car pass.

Therefore don't leave the Car Pass or Radio Pass with the CODE numbers in the car.

Radio code

When coded, the set briefly shows "CODE" in the display each time it is switched on (providing that ignition is switched on).

The radio code is set as a factory default.

You can disable the code by decoding the set, see "Decoding", page 16.

Switching on/off

☞ Press control ❶ to switch the set on or off.

Switching on and off with ignition key

The set is switched on automatically when switching on the ignition, after it was switched off by the ignition key.

To disable the connection between ignition key and radio, you have to switch off the automatic switch-on, see page 11.

Automatic switch-off

When the set was switched on by pressing control ❶ it will automatically switch off one hour after the ignition key is removed.

Volume

☞ Turn control ❶ to adjust the volume.

☞ When switching on the radio the volume is set to the level you last adjusted, if this level did not exceed the factory set basic volume level.


☞ If the volume level was higher, the radio is set to it's basic volume level.

Tone control

The CAR 2003 allows you to make the following sound adjustments:


- Tone
Bass /Treble
- Fader
Volume distribution from front <-> back
- Balance
Volume distribution from left <-> right.

Bass / Treble

- ☞ Release  ❸ control , by pushing it.
- ☞ Adjust as desired.
- ☞ Lock the control by pushing it.

Fader

Volume distribution from front <-> back

- ☞ Unlock the  ❷ control by pressing.
- ☞ Adjust as desired.
- ☞ Lock the control again by pressing.

Balance

Volume distribution from left <-> right.

- ☞ Pull and turn the control ❶.
- ☞ Volume difference in speakers left <-> right changes.
- ☞ Release the control.

Your CAR 2003 has a further audio setting which is not generally used very often:

- Setting the volume for traffic information reports (TP).

You can find more detailed information on this setting in the chapter entitled "Extended functions " see page 11.

Radio Tuning

Radio operation

Selecting wave band

Select the wave band by pushing Tuner control **10** one or more times. The wave band is shown in the display ("U" or "M").

- U = Ultra short wave (FM)
- U_{AS} = U_{AS} storage level (FM)
- M = MW (medium wave)
- M_{AS} = MW_{AS} storage level



Example: station on FM

- The wave band "U" or "M" is indicated on display.
- When one of the AS storage levels is selected the "AS" icon appears on the display.

Tuning-in a station

You can tune-in stations in different ways:


- search tuning
- manual tuning
- Auto Store (AS), see page 9.

Additionally the following tuning methods are available FM wave band as soon as RDS is switched on:

- RDS search tuning, see page 5.
- TP search tuning - see page 7.
- RDS Memo, see page 6.

Search tuning:

(only when RDS is switched off)

-  Press tuning control **10** < or > for less than 1 second.
- ✓ The radio mutes until a station is found.
- If no station was found by the first search of the wave band, the set automatically switches to a more sensitive search level.

Manual tuning:


(only when TP and RDS turned off)

To tune-in stations of which the frequency is known.

Coarse tuning:

-  Hold tuning control **10** < or > pressed until desired frequency is almost reached.

Fine tuning:

-  Briefly tap tuning control **10** < or > repeatedly until the right frequency is in the display.



FM station, RDS and TP switched off



Radio Data System

RDS is a service which is being introduced all across Europe by the broadcasting companies. RDS makes it easier to find a desired FM station, and ensures interference-free reception.

RDS stations transmit - in addition to the program - digital data with information which the RDS set automatically evaluates.

If the RDS station is received, the station name instead of the frequency appears in the display.

Each RDS station can be broadcast on several frequencies. During your journey RDS automatically compares the signal quality of the receivable frequencies.

The set always switches to the strongest (best-possible reception of chosen station). The station- name remains unchanged in the display.

PTY Alarm: Urgent disaster or emergency reports will automatically interrupt the playback of radio or cassette.

Clock Signal: The vehicle clock can be synchronised with the clock signal received via RDS, see car manual.

So it is recommended that the RDS is switched on.

Switching on RDS

- ☞ Select FM Wave band (U) Tuner control ⑩.
- ☞ Press the RDS control ⑨.
- ✓ "RDS" appears in the display.



FM station, RDS switched on.

When RDS is switched on, search tuning will only stop at RDS stations. The radio will automatically tune into the best frequency of the selected program. While searching for the strongest reception signal, the radio may switch to mute briefly.

RDS search tuning:

- ☞ Briefly press the search tuning control ⑩ \triangleleft or \triangleright .
- ✓ The radio only tunes to RDS stations.

Switching off RDS

- ☞ Press the RDS control ⑨.
- ✓ "RDS" will disappear from the display.
- ✓ The selected frequency is displayed instead of the station name.
- The radio will no longer tune in the frequency offering best reception of the program.

Display frequency of an RDS station

To show the currently tuned frequency of the selected RDS station.

- ☞ Switch off RDS.
 - ✓ The display shows the frequency of the tuned station.
 - ☞ Switch on RDS again.
 - ✓ The display again shows the station name.
- or:
- ☞ Keep search TUNER control ⑩ pressed for approx. 1 second until the frequency of the station is shown.
 - ✓ After 5 seconds the station name is shown again.

RDS Memo

In addition to the locations on the preset controls the radio provides RDS Memory, in which all receivable FM stations are stored.

Scroll through the RDS Memo

- ☞ Switch on RDS by pressing the RDS control ⑨.
- ☞ Briefly tap one of the tuning controls ⑩ < or > once or more times until the desired station is tuned in.
- ✓ The display shows the station-names or frequencies of the stations stored in the RDS Memo.

Updating the RDS Memo:

- ☞ Press and hold RDS control ⑨ until you hear a confirmation beep.
- ✓ The display briefly shows "MEMORY-U", then "MEM" and the running frequency.
- ✓ The RDS Memo process is finished after approx. 30 seconds. The set switches back to radio playback.
- ✓ The stations stored in the locations of the preset controls are not replaced by this process.



RDS Memo is updated

- The RDS Memo is automatically updated every time the set searches for a TP station or you perform an autostore.
- In the RDS Memo RDS stations are sorted in alphabetical order of broadcasters (for example Active, BBC1, BBC2, Capital FM, etc.).

Regional programs

Several RDS stations broadcast varying regional programs offering local information. You can prevent the set from tuning to another regional program when it searches for the best receivable alternative frequency:

Keeping a regional program

- The desired station has to be stored on one of the presets ⑫ 1 to 5.
- ☞ Recall the desired station from the reset.
- ☞ Then press the preset control for at least 5 seconds until you hear a confirmation beep.
- ✓ The display briefly shows "REG ON" for about 3 seconds.

Allowing switching to other regional programs

If the regional function is switched on for the desired station:

- ☞ Press preset key again for at least 5 seconds until you hear a confirmation beep.
- ✓ The display briefly shows "REG OFF" or about 3 seconds.

Traffic Programs

(TP = Traffic Program)

TP stations are FM RDS stations offering traffic information. If such a station is tuned in, "**TP**" will appear in the display.

Switching on TP

☞ Press the **TUNER** control **11** to select FM.

☞ Then press **TP** control **8**.

- ✓ The display shows "[TP]".
- ✓ If reception of a TP station is not possible, or during the search, the display shows "[J]".



RDS station, TP is switched on

- Only TP stations are tuned-in.
- If TP is switched on, the playback of cassette will be interrupted by traffic reports when broadcast.

Switching off TP

☞ Press the **TP** control,

or:

☞ Press **TP** control twice to switch off TP during a current traffic report.

- ✓ "[J]" disappears from the screen

Traffic program volume (TP)

The traffic report volume can be separately adjusted in addition to the normal playback volume, see page 11.

Listening to traffic reports only

If you wish to listen to traffic reports only:

☞ Switch on TP with **TP** control.

☞ Mute set by turning control **1** to minimum.

- ✓ You will hear traffic reports with the preset volume level (see "TP volume").

Interrupting traffic reports

To interrupt a traffic report (e.g. during tape operation):

☞ Press the **TP** control briefly,

or:

☞ Select cassette playback.

- ✓ The current traffic report is cancelled.
- ✓ TP function remains switched on.

RDS-EON

(Enhanced Other Networks)

With RDS-EON it is possible to hear Traffic Reports even when you listen to a non-TP station. Therefore the set receives information about alternative TP stations via the Radio Data System.

You can identify these stations by the "**EON**" in the display.

To hear traffic reports by EON

☞ Press **TP** control.

- ✓ The display shows "[TP]" and "**EON**".



A traffic report is received by RDS EON

- In case a traffic report is broadcast from an EON-linked station the set automatically switches to that TP station.
- During the Traffic Report the display shows the station-name of the TP station.
- After the Traffic Report has finished the set switches back to the previously selected station.

RDS-EON is also active when listening to cassette or CD playback.

Storing Stations

Storage locations for 20 stations are available:

- ❑ 5 x U Ultra short wave (FM),
- ❑ 5 x M (MW),
- ❑ 5 x U_{AS} (Automatic-stored FM stations),
- ❑ 5 x M_{AS} (Automatic-stored MW stations).

The presets are accessible by number controls **1** to **5**.

AS storage level on FM and MW

☞ Briefly press the **AS** control **7** to switch to the AS storage levels U_{AS} or M_{AS},

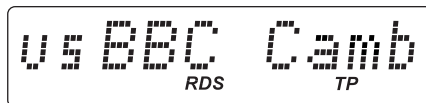
or:

☞ Press **TUNER** control **11** once more than once to select the AS storage levels U_{AS} or M_{AS}.

- ✓ "**AS**" appears on the display.

Storing

- ☞ Select desired wave band and tune-in station.
- ☞ Press and hold the preset control **1** to **5** on which you want to store the station.
- ✓ The radio briefly mutes and shows the station previously stored on this preset.
- ✓ As soon as the tuned-in station is heard again it's stored on this number control.
- ✓ The selected preset number is shown on the display.



FM station stored on preset 3

"RDS on" and "RDS off" is also stored when storing a station.

Automatic Storing (AS)

Auto-Store is possible on FM (U) and MW.

- ☞ Select desired wave band.
- ☞ Press **AS** control **14** until you hear a confirmation beep.
- ✓ The radio automatically switches to the AS storage level of the selected wave band (U_{AS} or M_{AS}).
- ✓ "AS" appears on the display.
- ✓ Search tuning starts.
- ✓ The six strongest stations in this reception area are stored in the AS storage locations of the presets.
- The stations previously stored on the AS storage locations are overwritten.

When leaving the reception area of the stored stations, perform AutoStore again to store new stations:

- ☞ Press **AS** control until you hear a confirmation beep.
- RDS is switched on automatically when activating AS and remains switched on after AutoStore has finished.
- If you switch on TP before or during the AutoStore process, the set recalls a preset with a TP station after AutoStore as finished.
- If no TP station was found by AutoStore a search tuning for a TP station will run as long as at least one TP station is found.
- You can also store stations manually on the AS storage locations, see "Storing Stations", see Page 8.

Recalling stored stations

Select wave band (U or M).

- ☞ Press the **TUNER** control **1**.
- ☞ Select the desired preset by pressing a numbered control.

To select one of the stations stored with Auto-Store:

- ☞ Select wave band (U or M).
- ☞ Briefly press **AS** control,

or:

- ☞ Press **TUNER** control once or more to select the AS storage levels U_{AS} or M_{AS} .
- ☞ Press desired preset numbered control.



Station stored with Auto-Store, TP switched on.

Cassette

Cassette playback

☞ Insert the cassette into the cassette compartment ④ (with the magnetic tape side of the cassette must be pointing towards the right),

or:

If a cassette is already inserted in the cassette player:

- ☞ Half press both «and» controls at the same time.
- ✓ The unit switches from radio mode to cassette mode.
- ✓ The side of the cassette that is uppermost starts playing.
- ✓ "CAS >" appears in the display.



Playback of the upper cassette side

Fast forward and rewind

☞ Press «or» control fully in.

« fast rewind

» fast forward

- ✓ During cassette fast forward or fast re-wind, the unit switches to the radio station that was tuned into last.

Stopping fast forward and fast rewind

☞ Half press control «or» in, opposite to the tapes current direction,

or:

☞ Eject the cassette (press in fully both «and» controls) at the same time),

or:

☞ Switch to radio operating mode.

Pausing cassette playback

☞ Half press both «and» controls at the same time.

- ✓ The unit switches from cassette mode to radio mode.
- The cassette remains in the cassette compartment.

Ejecting a cassette

☞ Fully press both «and» controls at the same time.

- ✓ The cassette is ejected.
- Ejecting the cassette is also possible when the unit is switched off.

Extended functions

Special settings

Ignition logic

The CAR 2003 can be turned on and off using the control ①.

If the unit is switched on, you can also turn the set off and on again by removing or inserting and turning the ignition key.

This link between the radio and the ignition / starter switch is set at the factory as default, however it can be deactivated.

- If the connection is disabled ("IGNI OFF") you can only switch on and off the radio with control ①.
- If the set is disconnected from the car battery and later reconnected, the ignition logic is enabled.

Disabling automatic switch-on:

- ☞ Switch on ignition.
- ☞ Switch off the radio with control ①.
- ☞ Press preset controls 1 and 3 simultaneously and keep pressed.
- ☞ Switch on the radio and keep preset controls 1 and 3 pressed until you hear a confirmation beep.
- ✓ Before the confirmation beep sounds the current state of ignition logic is shown:



"IGNI ON": ignition logic on

- ✓ When the confirmation beep is heard the state is changed.



"IGNI OFF": ignition logic off

To enable automatic switch-on:

- ☞ Proceed as described for "Disabling ignition logic."
- ☞ After the confirmation beep "IGNI ON" is shown in the display.

Special audio settings

Volume of traffic reports

(TP volume level)

You can adjust the volume of Traffic Reports (TP) in addition to the normal volume.

- ☞ Press TP control ⑧ for more than 3 seconds.
- ✓ The TP volume level will be displayed after the beep e.g. "TP-VOL-3".
- ☞ Adjust the desired volume level for traffic reports with search controls ⑩ < or > .
- ✓ During adjustment current volume setting is heard.
- Range of adjustment is between -3 to +3.
- ☞ To store TP volume setting press TP control ⑧ again until you hear a confirmation beep.
- If the TP control is not pressed within 10 seconds after adjustment, the current setting remains stored and normal operation is resumed.

Car Telephone

The radio is also designed for connection to a car telephone or navigation system.

To use the car telephone functions, the telephone must be connected to the radio by a Vauxhall Dealership.

If a car telephone is connected to the unit, "MUTE " appears in the display as soon as the telephone is switched on or an incoming call is received.

To use the navigation functions, the navigation system must be connected to the radio by a Vauxhall Dealership.

If a navigation system is connected to the unit, the radio will be set to mute when the navigation system outputs a spoken report.

Radio listening or cassette playback will then be interrupted.

Traffic information reports during hands-free operation

The mute setting that is triggered during telephone calls has priority over incoming traffic reports.

However, if you wish, you can listen to a traffic report during a telephone call.

For this to work, TP has to be activated "[TP]" (visible in the display).

When a traffic reports is transmitted during a telephone call, the name of the TP station will appear in the display instead of "MUTE " .

☞ Press the **TP** control **8**.

- ✓ The mute setting triggered during telephone calls will be cancelled and the traffic report can then be heard.

Security CODE

The CAR 2003 is protected by an electronic code. A coded set is worthless to a thief.

If the unit is disconnected from the power supply, for example when the car battery is disconnected, the set is electronically locked.

Only you can put the radio back into operation by entering the correct code (see "Coding the Radio / Getting set back into operation after power supply has been interrupted" on this page). The CODE number is stated on the Car Pass or the Radio Pass.

Store the Car Pass or the Radio Pass in a safe location (for example with your car documents), but never in the car.

You can disable the theft protection by decoding the set, for example if you wish to sell the set. If you sell the set, you should give the CODE number to the buyer.

To prevent your car radio from being decoded via the "trial and error method" a waiting time starts after each unsuccessful attempt at entering the CODE.

During the waiting time, the set must remain switched on. The display shows "SAFE". After the first two attempts, the waiting time lasts approx. 10 seconds. After this it is increased to 10 minutes. With each further unsuccessful attempt the waiting time is doubled, reaching 640 minutes by the ninth attempt.

After 10 unsuccessful attempts the set is blocked. The set has to be exchanged by a Vauxhall Dealership upon payment.






It is recommended to have the set put back into operation by a Vauxhall Dealership after the sixth unsuccessful attempt.

The number of remaining attempts is shown in the display.


Coding the Radio

(Getting set back into operation after the power supply has been interrupted)

If the display shows "Safe" when switching on the radio:


-  Switch on ignition.
-  Switch off the set with control **1**.
-  Press **AS** control **1** and keep pressed.
-  Switch on radio and keep the **AS** pressed until you hear a confirmation beep.
-  Release the **AS** control.

✓ The Display shows "CODE". After 3 seconds the number of remaining attempts for code number entry is shown, for example "10 - - - -".

-  Enter CODE number (on car passcard or radio passcard) pressing the preset controls 1, 2, 3 and 4, one more then the code number required.

Example: The CODE number is 0 3 6 5

Preset controls 12	Display
1 x control 1	0 - - -
4 x control 2	0 3 - -
7 x control 3	0 3 6 -
6 x control 4	0 3 6 5

-  Confirm code number:
If the correct code number is shown in the display, press **AS** control again until you hear a confirmation beep.

✓ Mute of the set is cancelled.



Wrong code number confirmed

If you entered and confirmed an incorrect code number by mistake:

- ✓ The display shows "Safe" and the waiting period runs down.
 - ✓ After the waiting period is over the display shows "CODE" for 3 seconds, then the number of remaining attempts appears, for example "9 - - - -".
 - Now 9 attempts are left to enter the correct code.
- ☞ Enter the correct code number.

Disabling Radio Code

(deactivating theft protection)

If no coding of the radio is desired, you can cancel the theft protection by decoding the set.

- ☞ Proceed as described in "Coding the Radio", see page 13.
- ✓ Mute is cancelled.
- Now the radio is no longer protected against theft when the power supply is interrupted.

Reactivating theft protection)

- ☞ Follow the same procedure as described in "Releasing the electronic lock".
- ✓ Mute operating mode will be cancelled.
- ✓ The code-protected unit briefly displays "CODE" whenever it is switched on when the ignition is turned on.
- The radio is now theft protected again.

Troubleshooting

If you think that your Car 2003 is not functioning as you expect it to, please read the operation manual carefully and read the following check list before calling customer care.

If you cannot find a solution for any problem you may encounter, contact your Vauxhall Dealership.

Error message / symptom	Possible cause / Remedy	Contact Customer Care
General		
Radio does not switch on, neither with control 1 or with ignition key.	Radio or vehicle fuse blown.	x
Display reading: SAFE .	The power supply was interrupted (disconnection of the car battery, removal of the set). ⇒ Switch on the ignition. ⇒ Enter the radio code.	
During reception of some RDS stations the vehicle display suddenly shows a wrong time.	Not all RDS stations broadcast correct time code. ⇒ Switch off automatic update function for the clock by RDS stations (see car manual).	
Cassette		
Cassette playback lacks high-notes or loss of one channel.	Cassette player tape head dirty. ⇒ Clean the cassette player tape head with a wet cleaning cassette.	
Cassette is not played. Player changes playback direction before end of tape.	⇒ Rewind cassette once to both ends of the tape.	

General Information

In case of faulty operation, consult a Vauxhall Dealership.

FM reception

FM reception in the car imposes higher demands on the set compared with comparable home equipment, so even RDS-stations may be disturbed.

Refer to the car instruction manual regarding physical causes of interference.

Care of cassettes and cassette player

Never expose cassettes to extreme heat or direct sunlight. Only use C-60 or C-90 cassettes of good quality. Always keep cassettes in their cases.

Clean cassette player with wet-cleaning cassette (catalogue no. 17 82 504) if playback quality deteriorates.

Break in power supply

When replacing the car battery the station memory and all other settings remain stored.

The set is locked electronically by the theft protection system after power supply has been removed.

Unlock by entering code, see page 14.

If loss of the Car / Radio Pass with the Code numbers has occurred, please consult a Vauxhall Dealership.

Getting the set back into operation is possible only on payment and after showing proof of ownership.

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