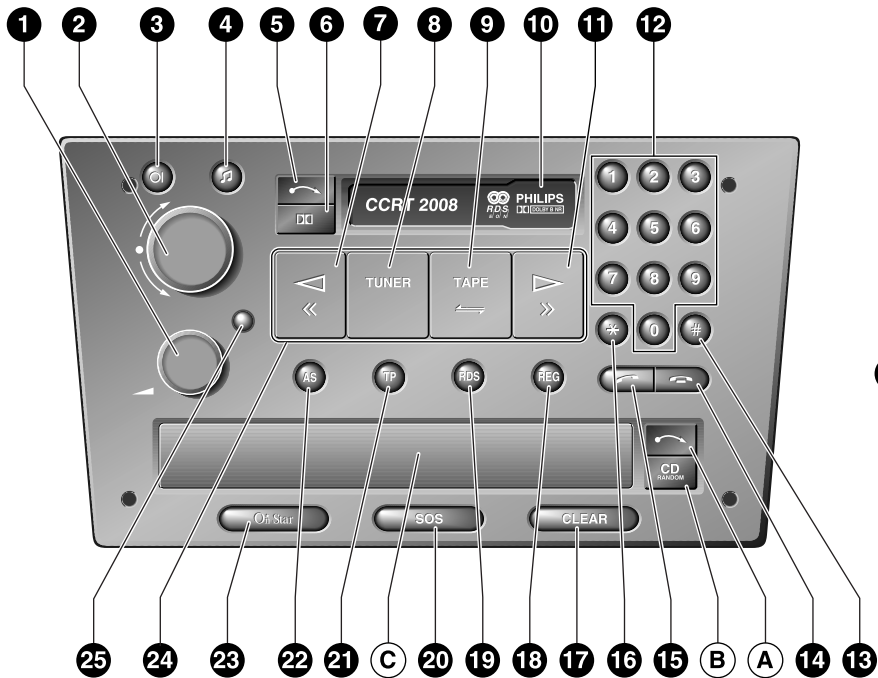
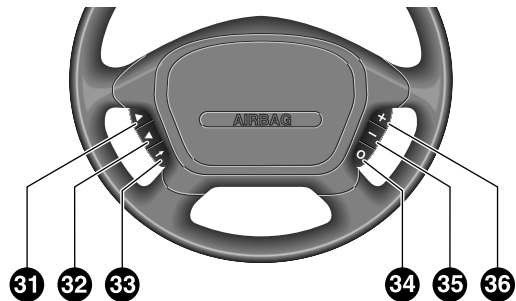


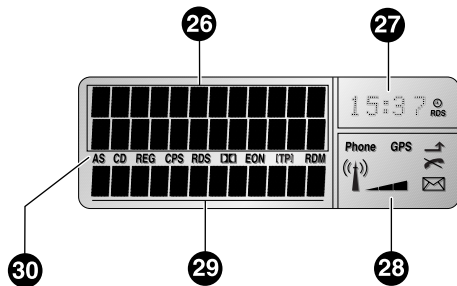
# Radio Type CCRT 2008



S 2585



T 8358



T 8473

# Overview

## No. Symbol Function

- 1 Volume: Turn
- 2 Multi functional control:  
Turn: To select menu options  
and commands  
Press: To confirm selection (OK)
- 3 On/off: press
- 4 Enter and exit the audio menu
- 5 Eject cassette
- 6 Dolby Noise Reduction
- 7 Radio: Search control  
downwards  
  
 Tape: Previous title/fast rewind  
CD: Previous title
- 8 **TUNER** Select radio playback  
  
U M Select wave band (U or M)
- 9 **TAPE** Cassette  
  
 Change tape direction during  
playback
- 10 Cassette opening
- 11 Radio: Search control upwards  
Tape: Next title/fast forward  
CD: Next title
- 12 **0 to 9** Number controls  
Radio: Presets (0 to 9)  
CD: CD selection 1 to 4  
Phone number entry

## No. Symbol Function

- 13 # Hash key (only phone mode):  
command and separation  
symbol for sending GSM codes,  
confirm PIN entry
- 14 End call
- 15 Select phone mode send call
- 16 \* Star key (only phone mode):  
command and separation  
symbol for sending GSM codes)
- 17 **CLR** Delete entry and exit function  
during menu operation
- 18 **REG** Switch regional function on/off
- 19 **RDS** Switch RDS on / off
- 20 **SOS** Send emergency call (even  
without a SIM card or  
detachable control panel)
- 21 **TP** Switch Traffic Program on / off
- 22 **AS** Autostore and switch to AS  
wave bands
- 23 On Star No function
- 24 - Detachable control panel an  
SIM card reader (covered by the  
detachable control panel)
- 25 - Release key for detachable  
control panel
- 26 - Two-line alphanumeric display  
area for phone and menu  
functions
- 27 - Clock display (see car manual)

## No. Symbol Function

- 28 **Phone** Telephone is in stand-by  
 Network available  
 Phone signal strength (three  
segments show best reception)  
 Call forwarding option  
"ALL CALLS" is set  
 Call barring option  
"ALL CALLS" is set  
 New short message was  
received
- 29 One-line alphanumeric display  
area for radio functions plus  
menu options and commands
- 30 Symbols for radio operation

## Steering wheel remote control \*

- 31 Search key upwards
- 32 Search key downwards
- 33 → TUNER: next preset  
TAPE: change tape direction  
CD: next disc in magazine  
Phone: confirm selection (OK)
- 34 O Select between TUNER, TAPE,  
CD, telephone and On Star
- 35 - Decrease Volume
- 36 + Increase Volume

## CD Changer

- A Eject key for CD magazine
- B **CD**  
RANDOM Select CD playback  
Select random playback
- C CD magazine opening

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# General

The CCRT 2008 offers you the combination of a Powerful GSM Mobile Phone and a high quality Tuner Cassette combination with CD Changer control.

A well thought-out design of the controls and a big multifunctional control button allows for easy operation of the set.

Mobile phones effect their environment. Therefore safety regulations and rules have been set up. Please learn about the particular regulations before using the CCRT 2008 telephone function.

If you want to use the telephone function of your CCRT 2008 on journeys abroad, you should learn about the regulations in the country you are going too.

## Important

- ⚠ The usage of the telephone function of your CCRT 2008 during driving can be dangerous because your concentration may decrease while phoning. Park your car before using the telephone. Pay attention to the regulations of the country you are in.
- ⚠ Switch off the telephone of the CCRT 2008 by removing the SIM card in all areas where the usage of transmitters is prohibited, for example airports, within some ferries and car trains, in quarries and other areas where blasting is carried out.
- ⚠ It is dangerous to use the telephone function of your CCRT 2008 in areas where the danger of explosions exists. Switch off the telephone function of your CCRT 2008 by removing the SIM card in areas where the danger of explosions exists. This may be areas where fuel and other flammable chemicals are used (petrol stations, fuel depots, chemical plants, etc.)

## Unauthorised usage

To prevent unauthorised usage please note the following:

- 👉 If possible you should not write down your PIN code. Try to learn it by heart instead.
- 👉 Remove the SIM card if you don't want to use your telephone for a long period of time.

## Notes on the SIM card<sup>1)</sup>

To prevent damage or destruction to your SIM card please pay attention to the following notes:

- The SIM card should under no circumstances be inserted or removed from the card reader while attempting to start the engine!
- No telephone services and especially not PIN entry should be carried out while attempting to start the engine!
- While attempting to start the engine, you should not use phone. The connected call may be cut off.

<sup>1)</sup> Standard GSM SIM card

# General explanation

## Information on this operating manual

In order to quickly gain an overview of the of the CDR 2008, 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", "Cassette", "CD Changer and "Telephone".

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.

To make reading this manual easier you are given the following aids:

-  A hand before the text demands you to do something.
- ✓ A tick before the text shows the 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 warning triangle covers important information regarding the safe use of your "Infotainment" system.
- ▶ An arrow indicates that the subject matter continues on the next page.
- \* An asterisk identifies equipment which is not fitted to all vehicles (model variants; variants for particular countries; special versions).

Menus, submenus and menu options are shown as follows:

|PHONEBOOK|BOOK LIST|


# Theft Protection

## Coding

The CCRT 2008 is provided with a passive security system. A coded set is worthless to a thief.

Different security codes are used to protect the set. They are stated on your Radio Pass or Car Pass. Therefore never leave the Car Pass or the Radio Pass in the car.

## Radio Code

When coded, the set briefly shows “**CODE**” on the display each time it is switched on (providing that the ignition is switched on). In addition the CODE protection LED  flashes as soon as the set and the ignition are switched off.

The radio code is enabled as factory default. You can disable the coding by entering the radio code. See page 56.

## Telephone codes

For use of the telephone functions of your CCRT 2008 different codes are required, for example to prevent the telephone from unauthorised usage or to enable particular network services.



You can find detailed information on this topic in chapter “Telephone”, page 20.

## Removable panel


The CCRT 2008 has a removable panel for additional theft protection. Always take the panel with you in its protective case when leaving the car. The set only functions with the original panel. In case of loss of the panel a replacement panel must first be programmed by appropriate coding contact a Vauxhall Dealership.

When removing the panel, always take the SIM card with you.


## Removing the panel

 Press the release key  and remove the panel.


## Inserting the panel

 Press the panel into place at both sides until it clicks into position.


● If the panel is not inserted correctly, the display shows “**PANEL**” when switching on the set.


 Check that the panel is inserted correctly on both sides.

## Replacing the panel



 Remove the fuse from the fuse box which protects the radio (see owners manual).

 Install replacement panel to radio.

 Insert fuse into fuse box.

 Neutralizing electronic lock, security coding, see page 55.

# Switching On / Off

 Press **OL** key  to switch on or off the CCRT 2008.

## Switching on and off with ignition key

When the CCRT 2008 is on it will be switched off / on automatically by removing / inserting and turning the ignition key.

The connection between ignition switch and set can be disabled. See page 55.


## Automatic switch-off

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

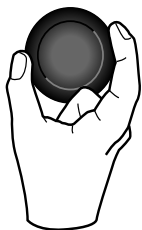
## Display

The Multi Info Display (see car manual) in the vehicle is also used for display of the radio and telephone information.

## Multi-functional Control

The multi-functional control  is used to adjust the volume level and audio settings during radio, cassette and CD mode.

In telephone mode it is used to control the menus.



### Turn:


Volume adjustment and selection of commands, menu options or characters.



### Press:

Confirm the displayed selection.

## Volume and Sound

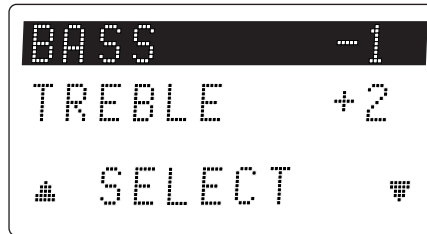
 Turn the multi-functional control to adjust the volume.

- When switching on, the radio is set to the volume level you last adjusted, if this level did not exceed the factory set basic volume level.
- If the switch-off volume was higher, the radio is set to it's basic volume level when switching on.

### Audio menu

The audio menu enables the following adjustments.

- Tone (BASS, TREBLE)
- Balance (BALANCE)
- Fader (FADER)

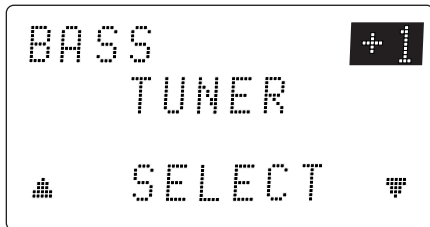


*Display of the audio menu*

Further adjustments are possible in submenu [EXTRAS]:

- Volume of traffic reports (TA VOL.)
- Setting of the speed dependent volume control (SDVC CURV)
- Basic call volume (CALL VOL.)
- Playback of TUNER, TAPE or CD during telephone mode (PHONE AUDIO) on/off
- Volume of an external audio source for example navigation system (EXT.VOL.)





*Adjustment of the bass setting for tuner*

### Adjustments within the audio menu

- ☞ Press control **3**.
- ✓ The audio menu is displayed.
- ☞ Turn multi-functional display until the desired audio function is shown.
- ☞ Press multi-functional control.
- ✓ The selected audio function is active.
- ☞ Turn multi-functional display until the desired value is reached.
- If you don't change a setting within 10 seconds the audio menu is left automatically.
- The audio menu is only available during TUNER, TAPE and CD mode.

### The audio menu offers you the following audio functions:

#### BASS 1)

Adjustment of low notes between -5 and +6.

- The BASS setting can be adjusted independently for TUNER, TAPE and CD.

#### TREBLE 1)

Adjustment of high notes between -5 and +6.

- The TREBLE setting can be adjusted independently for TUNER, TAPE and CD.

#### BALANCE

Volume difference left < - > right between -13 and +13.

#### FADER \*

Volume difference front < - > rear between -15 and +15.

#### EXTRAS

In audio submenu |EXTRAS| you can adjust the following settings:

#### TA VOL

Volume of traffic reports when TP is switched on.

Adjust between -3 and +3. See page 54.

#### SDVC CURV.

Setting of the speed dependent volume control between 0 and 5. See page 54.

#### CALL VOL.

Setting of the basic call volume of the telephone (free speech, ringer, etc.) between -3 and +3. See page 54.

#### PHONE AUDIO On/Off

Playback of TUNER, TAPE or CD during telephone mode on/off. See page 54.

#### EXT. VOL.

Volume of an external source (for example a navigation system) between -3 and +3. See page 54.

### Leaving audio menu

☞ Press control,

or:

☞ Press **CLR** control,

or:

☞ Select "EXIT" from the audio menu and confirm,

or:

☞ Wait for 10 seconds, until the audio menu is left automatically.

# Radio Tuning

## Radio playback

☞ Press TUNER control .

## Selecting wave band

☞ Press **TUNER** control once or more than once to select between the wave bands U or M.

- U = Ultra short wave (FM)
- M = MW (medium wave)
- ✓ The wave band ("U" or "M") is indicated on the display.



Example: Station on FM

## Tuning-in stations

You can tune-in stations in six different ways:



- Search tuning
- Manual tuning
- AS (AutoStore), see page 13.

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

- RDS Program Search, see page 10.
- TP search tuning - search tuning accepts TP stations only, see page 11.
- RDS Memo, see page 10.

## Search tuning

(only if RDS is switched off)



- ☞ Briefly press tuning control  or .
- ✓ The radio mutes until a station is found.
- If not station is found, the set automatically switches to a more sensitive search level.

## Manual tuning



(only if TP and RDS are switched off)

This way you can tune-in stations of which the frequency is known.

## Coarse tuning

- ☞ Keep tuning control  or  pressed until the desired frequency is almost reached.

## Fine tuning

- ☞ Briefly tap tuning control  or  repeatedly until the exact frequency of the desired station is shown on the display.



# Radio Data System

RDS which has been 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.

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

- PS:** Program Service name.
- AF:** If the RDS station is broadcast on several frequencies. On your journey RDS automatically compares the signal quality of the receivable frequencies and switches to the strongest reception of chosen station. A short interruption of radio playback may occur while doing so.
- PTY Alarm:** Urgent disaster, emergency reports will automatically interrupt the playback of radio, cassette, CD or telephone (even during a phone call).
- Clock Signal:** The vehicle clock can be synchronised with the clock signal received via RDS, see car manual.

## Switching on RDS

- Select FM wave band (U) with **TUNER** control **4**.
- Press **RDS** control **15**.
- ✓ "RDS " appears in the display.



*FM station, RDS switched on*

## RDS Program Search

- Briefly press tuning controls ◀ or ▶.
- ✓ The radio only tunes to RDS stations.

## RDS Memo

- Briefly tap tuning controls ◀ or ▶.
- The next/previous stored RDS station in the RDS Memo is recalled.

## Switching off RDS

- Press **RDS** control.
- ✓ "RDS " disappears from the display.
- ✓ The display shows the frequency instead of the station-name.
- The set no longer tunes to the best-receivable frequency of the selected station.

## Display RDS station frequency

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 **TUNER** control **4** pressed 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 a RDS Memory, in which all receivable FM stations are stored. You can scroll this memory.

### Scroll through the RDS Memo

- ☞ Switch on RDS by pressing the **RDS** control **15**.
- ☞ Briefly tap one of the tuning controls ◀ or ▶ once or more than once 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 the **RDS** control 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 presets are not replaced by this process.
- 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 stored in alphabetical order of broadcasters (for example Active, BBC1, BBC2, Capital FM, etc.).



*RDS Memo is updated*

## Regional programs

Several RDS stations broadcast varying regional programs on different frequencies at specific times. You can prevent the radio from tuning to another regional program when it searches for the best-receivable alternative frequency.

### Keeping a regional program

- ☞ Tune to the desired station.
- ☞ Press the **REG** control **16**.
- ✓ "REG " appears on the display.



*Regional function switched on*

### Allow switching to other regional programs

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

- ☞ Press **REG** control again.
- ✓ "REG " disappears from the display.

## TP (Traffic Program)

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

### Switching on TP

- ☞ Select FM wave band (U) with **TUNER** control **4**.
- ☞ Press **TP** control **18**.
- ✓ The display shows "[TP]".
- ✓ If reception of a TP station is not possible, or during the search, the display shows "[ ]".



*RDS station, TP switched on*

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

### Traffic reports during telephone or external source

If during a telephone call or playback of an external source (for example navigation system, (Traffic Master) a traffic report is broadcast, the display shows "TRAFFIC".

- TP has to be switched on.
- ☞ Press **TP** control to listen to the traffic report.
- ☞ Press **TP** control again to switch back to the telephone call.

### Switching off TP

- ☞ Press **TP** control,
- or:
- ☞ Press **TP** control twice to switch off TP during a current traffic report.
- ✓ "[ ]" disappears from the display.

### Traffic reports only

If you want to hear traffic reports only:

- ☞ Switch on TP with **TP** control.
- ☞ Mute the set by adjusting the volume to minimum.
- ✓ You will hear traffic reports with the preset TA volume level. See page 54.

### Aborting a traffic report

To abort a particular traffic report, for example during playback of cassette or CD or in telephone mode:

- ☞ Press **TP** control once during the traffic report,
- or:
- ☞ Select TAPE, CD, PHONE or OnStar.
- ✓ The current traffic report is aborted.
- ✓ TP remains switched on.

## RDS - EON (Enhanced Other Networks)

With EON you will hear traffic reports even if you have tuned to a station which doesn't broadcast its own traffic information.

You can identify these stations by "EON" icon on the display.

### To hear traffic report 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.

## Storing Stations

Storage presets for a total of 40 stations are available:

- 10 x U (FM)
- 10 x M (MW)
- 10 x U<sub>AS</sub> (Automatic-stored FM stations)
- 10 x M<sub>AS</sub> (Automatic-stored MW stations).

The presets are accessible by number controls **0** to **9**.

## Storing


- ☞ Select desired wave band and tune-in station.
- ☞ Press and hold the number control (**0** to **9**) 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 is stored on this number control.
- ✓ The selected present number is shown on the display.
- ✓ "RDS on" and "RDS off" is also stored when storing a station.



*FM station on preset no. 4*

## Automatic Storing (AS)

AutoStore is possible on FM (U) and M.

- ☞ Select desired wave band.
- ☞ Press **AS** control  until you hear a confirmation beep.
- ✓ The radio automatically switches to the AS storage location of the selected wave band (U<sub>AS</sub> or M<sub>AS</sub>).
- ✓ Search tuning starts, "**AS**" appears on the display.
- ✓ The ten strongest stations in this reception area are stored in the AS storage locations of the presets.
- ✓ Stations previously stored manually on the AS preset 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 has 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.

## Recalling stored stations

- ☞ Select the wave band (U or M) by pressing the **TUNER** control.
- ☞ Select the desired preset by pressing the number control.

To select one of the stations stored with AutoStore:

- ☞ Select wave band (U or M).
- ☞ Briefly press **AS** control.
- ☞ Select the desired preset by pressing the number control.



*A station stored on one of the AS locations*

# Cassette

## Cassette playback

- ➡ Insert cassette with tape side to the right into the cassette opening 7.
- ✓ Cassette playback starts.
- ✓ The display shows "TAPE 1>" .



*Playback of the upper cassette side*

If a cassette is already inserted in the cassette opening:

- ➡ Briefly press the **TAPE** control 4.

## Reversing tape direction

- ➡ Press the ⇌ control 8 to change the playing direction (cassette side).
- ✓ "TAPE 1>" upper cassette side.
- ✓ "TAPE 2>" lower cassette side.





The set automatically changes the cassette side at the end of a tape.

## Automatic tape detection

The set provides an automatic Metal/Chrome tape detection.

## Dolby® B Noise Reduction

To playback cassette recorded with Dolby B Noise Reduction system.

- ➡ Press  control 6.
- ✓ The display shows "".
- ➡ Press  control again to switch off the Dolby B Noise Reduction system.
- ✓ "" disappears from the display.



*Cassette playback with Dolby B NR switched on*

® Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation.  
"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



## Cassette Program Search (CPS)

For automatic track detection, mute passages of at least 3 seconds have to be present between the tracks.

- Extremely soft passages could probably be interpreted as mutes.

### Starting Cassette Programs Search

☞ Briefly press ◀ or ▶ control.

- ▶ Forward wind to next track.
- ◀ Repeat the current track.

- ✓ The display shows "CPS" during CPS is active.



*Cassette program Search is active*

## Stopping Cassette Program Search

☞ Press the opposite search control ◀ or ▶ ,

or:

☞ Eject cassette (**TAPE** control ④),

or:

☞ Switch to TUNER, CD, PHONE or On\*Star .

## Fast forward and rewind

### Starting fast forward/rewind

☞ Press search control ◀ or ▶ for at least one second.

- ▶ Fast forward.
- ◀ Fast rewind.

- During fast forward and rewind you hear the radio playback.

## Stopping fast forward/rewind

☞ Press the opposite search control ◀ or ▶ ,

or:

☞ Eject cassette (**TAPE** control ④),

or:

☞ Switch to TUNER, CD, PHONE or On\*Star .

## Interrupting playback (pause)

☞ Switch to TUNER, CD, PHONE or On\*Star .

- The cassette remains in the cassette opening.

## Cassette eject

☞ Press and hold **TAPE** control until the cassette is ejected.


- Ejecting the cassette is also possible when the set is switched off.

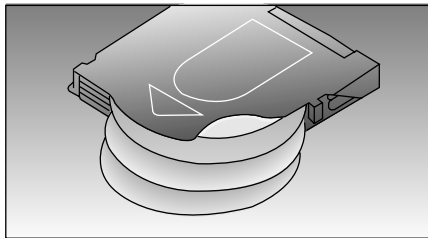
# CD Changer

Depending on the vehicle version your CCRT 2008 is equipped with a Vauxhall CD Changer. The CD changer is mounted in the glove compartment or below the front passenger seat.

- The CD changer does not support the playback of rewriteable (CD-RW).
- When using self-recorded audio discs (CD-R) play back errors may occur, depending on the quality and surface of the CD-R used.


## Inserting CDs

- ☞ Press  control **30** on the CD changer.
- The CD changer front **29** opens up, the CD magazine slides out.
- ☞ Remove the CD magazine from the CD changer.
- ☞ Slide CD with the printed side facing upwards into one of the CD slots of the magazine until it clicks in.



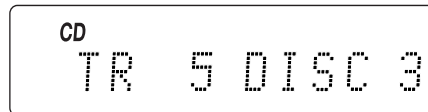
Inserting CDs into the magazine

## Inserting the magazine

- ☞ Press  control **30** on the CD changer.
- ☞ The CD changer front opens up.
- ☞ Gently push the magazine into the changer until it clicks into place.
- ☞ Close the CD changer front.
- ⚠ For security reasons make sure you always closed the CD changer front before driving the car.
- If the flap is not closed the display shows "CDC OPEN".
- Additional CD magazines are available at any Vauxhall Dealership.

## CD playback

- ☞ Switch on the radio.
- ☞ Briefly press CD control **4**.
- ✓ CD playback starts with the disc you last listened to, provided that you did not change the CD magazine in the meantime.



CD playback of disc 3, track no.5

- If a new magazine was inserted into the CD changer, at first all slots are checked for discs. The display shows "CHECK DISC 1" to "CHECK DISC 4". Afterwards the first disc found, is played. The display briefly shows the total number of tracks and the disc number.
- If no CD changer is connected to the set, the display shows "NO CDC" as soon as the **CD** control is pressed. Playback of TUNER, TAPE, PHONE or **On Star** is resumed.
- If no CD magazine is inserted in the CD changer the display shows "NO MAGAZINE" as soon as the **CD** control is pressed. Playback of TUNER, TAPE, PHONE on **On Star** is resumed.
- If no discs are inserted in the magazine, the display shows "NO DISC". Playback of TUNER, TAPE, PHONE or **On Star** is resumed.

## Continuous CD playback

If playback of a disc is ended, the CD changer continues playback with the next disc found in the magazine, and so on. If only one disc is inserted in the magazine, this disc is constantly repeated.

## Random playback (RDM)

In this mode the tracks are played in random order.

### Switching on RDM

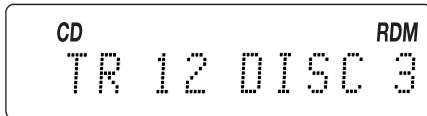
☞ Briefly press **CD** control 4.

- Only tracks of the currently loaded disc are selected.

☞ Press **CD** control 4 for longer.

- Tracks from all discs in the magazine are selected.

The display shows the example "TR 12 DISC 3" and the "**RDM**" icon.



*Random playback of track 12 of disc 3*

### Switching off RDS

☞ Press **CD** control again.

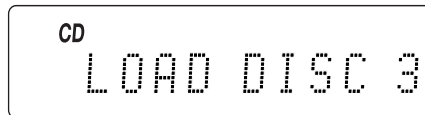
- ✓ The "**RDM**" icon disappears from the display.

## Direct disc access

During CD playback you can directly select one of the discs loaded in the magazine with the number controls 1 to 4.

☞ Press number control of the desired disc.

- ✓ During loading of the disc the display shows "LOAD DISC" and the number of the disc.
- ✓ Then playback of the selected disc starts.



*Disc 3 is loaded*

### Restart playback of the selected disc

☞ Press the relevant number control 1 to 4.

## Select next/previous tracks

### Play next tracks

Briefly press search control ▷ once or more than once, until the display shows the desired track number.

### Play previous tracks

☞ Briefly press search control ◁ once or more than once, until the display shows the desired track number.

- If you press search control ◁ once within the first 3 seconds of a track the previous track is played. If the control is pressed after the first 3 seconds of the track, the track is repeated.

### Fast search forwards/backwards


To search for a specific part on a disc.

- ☞ Press and hold ◀ or ▶ control, until the desired part is reached.
- ✓ The display shows the track number and the elapsed track time in minutes and seconds, for example "TR 8 04-39".
- During fast search the playback speed is increased and the playback volume is reduced.

### Stopping CD playback

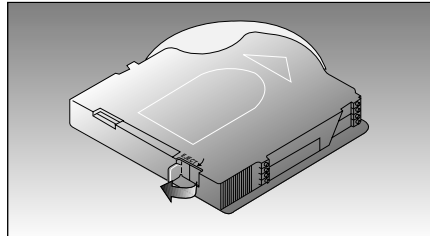
- ☞ Switch to TUNER, TAPE, PHONE or On Star .

### Ejecting CD magazine

- ☞ Press the  control on the CD changer.
- ✓ The CD changer front opens up, the CD magazine slides out.
- ☞ Remove the CD magazine from the CD changer.
- ☞ Close the CD changer front.
- Ejecting the magazine is also possible when the radio is switched off.

### Removing discs from the magazine

- ☞ Pull EJECT lever on the magazine.
- ☞ Take the desired disc out of the magazine.



*Removing CDs from the magazine*

# Steering Wheel Remote Control

To increase driving safety and ease of operation the following functions of the CCRT 2008 can be controlled by the steering wheel controls.

## +/- controls

### Volume control

- ☞ Briefly press + control **36** once or more than one to increase the volume step by step.
- ☞ Briefly press - control **35** once or more than once to decrease the volume step by step.
- If you hold the control for longer, the volume is altered continuously.
- During a phone call the free speech volume is changed.

## O control

### Source selection

- ☞ Briefly press **O** control **34** once or more than once to select between TUNER, TAPE, CD, PHONE and **O** Star.

Switching to another source is not possible during:

- a connected phone call
- playback of an external source (for example navigation system, Traffic Master)
- a traffic report when TP is switched on
- ◀ / ▶ controls.

### Search controls (radio and telephone)

- The ◀ and ▶ (**32 31**) controls have the same function as the search controls at the set.

## ➔ control

### Select preset (radio)

- ☞ Press ➔ control **33** once or more than once to select the desired preset **0** to **9** of the current wave band.

### Change tape direction (cassette):

- ☞ Press ➔ control to select the tape direction.

### Select disc (CD changer):

- ☞ Press ➔ control to select the tape direction.

### Selection/confirmation (telephone / **O** Star):

- ☞ Press ➔ control to confirm the menu option or command shown on the display (same as pressing the multi-functional control).

# Telephone

## SIM card

If you want to use the telephone function of your CCRT 2008 you need a registered SIM card. You can get a SIM card at your Vauxhall Dealership, a GSM network or service provider or in the high street.

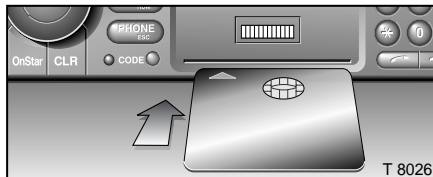
If a SIM card is already inserted into the CCRT 2008, you are automatically asked to enter the PIN code when switching on the set.

The PIN code is the Personal Identification Number of your SIM card. You cannot use the SIM card without the PIN code. (Some network or service providers allow you to deactivate entry of the 4 to 8 digit PIN code.)

Your SIM card contains your customer identification. Moreover it has a memory in which you can store phone numbers and messages. Even if you use your SIM card in a different mobile phone your own phone number and your phone book stay the same.

Please ask your network operator or provider for the details on the behaviour of twin cards.

You can make emergency calls in all GSM networks without a SIM card. See "Emergency calls without SIM card or PIN", page 28.



## Inserting SIM card

- ☞ Switch off the radio.
- ☞ Press release control **20** and remove the panel.
- ☞ Insert SIM card in direction of the arrow with the golden contact area up into the card reader until it locks.
- ☞ Click in removable panel on both sides.

## Removing SIM card

- ☞ Switch off the radio.
- ☞ Press release control and remove the panel.
- ☞ Do not pull out the SIM card long as the "don't remove the SIM card"
- ✓ The display shows "PANEL".
- ☞ Unlock and remove SIM card by pushing against it.
- ☞ Click in removable panel on both sides.

## Precautions


To prevent your SIM card from damage or destruction, please pay attention to the following notes:

- The SIM card should under no circumstances be inserted or removed from the card reader while attempting to start the engine!
- No telephone services and especially not PIN entry should be carried out while attempting to start the engine!

## Hands free operation

Your CCRT 2008 by default uses hands free operation. An external handset is available as an option.


## Switching on the telephone

- ☞ Switch on the radio.
- ☞ Press  control **15**,
- or:
- ☞ Pick up handset.
- ☞ Enter PIN code if required.

- If the Phone icon is already shown on the display, the telephone is already in stand-by. You don't have to enter the PIN code.

## Automatic PIN polling

When the set is switched on with the SIM card inserted and the pin protection is enabled the set automatically enters the PIN entry menu.

- ☞ Enter the PIN code, see "Entering PIN code",
- or:
- ☞ Abort PIN code entry by pressing the  control **15**.
- If you do not make an entry within 5 seconds, the PIN code entry menu is left automatically and the set switches back to TUNER, TAPE or CD

## Restrictions during driving

For increase driving safety the access to some of the telephone menus may be locked. If you try to access a locked menu the display shows "no access car moving".


Stop the car to get access to the desired function.

## Switching off the telephone


If you want to switch off the telephone function of your CCRT 2008 (disconnect from the network), for example in areas where the use of mobile phones is prohibited (see page 4):

- ☞ Switch off the radio and remove the SIM card.
- Normally the telephone is automatically disconnected after the radio is switched off with the **OI** control, even without removing the SIM card.
- ☐ But switching off the telephone is not carried out before the adjustable delay time has run out. See "Security Menu", page 47.
- ⚠ For safe disconnection of the telephone you should always remove the SIM card. Under unfavourable circumstances the correct disconnection from the mobile network can take up to 3 minutes.



## Entering PIN code

- ☞ Switch on the CCRT with a SIM card inserted.
- ☞ Press  control **15** to switch to telephone mode,
- ☞ or:
- ☞ Press **O\*Star** control.
- ✓ The display shows "PIN entry" and the remaining number of attempts.
- ☞ Enter PIN code with the number controls (4 to 8 digits max.).
- ☞ Confirm "OK" by pressing the multi-functional control.

or:


- ☞ Press **#** control or .
- ✓ The telephone now automatically tries to connect to the mobile network.

As soon as a network is found the following indications are shown on the display:


- ☐ The network operator's name
- ☐ The **Phone** icon
- ☐ The icon for network connection 
- ☐ The field strength indication 
- ✓ The telephone is now in stand-by mode or directly enters the **O\*Star** menu.
- If no network is found, move to a location where network reception is sufficient.

## Entering unblocking code (PUK)


The SIM card is blocked if the wrong PIN code was entered three times in succession. You have to enter the unblocking code (PUK or Super PIN) to unblock the SIM card again. Your network operator or service provider will provide the unblocking code.

- ☞ Enter the unblocking code with the number controls.
  - If you enter the wrong unblocking code seven times in succession, the SIM card is totally blocked. In this case contact your network operator or service provider.
  - The number of wrong code entries may be dependent on the SIM card. See the manual of your SIM card for detailed information.
  - ☞ Confirm "OK" by pressing the multi-functional control,
- or:
- ☞ Press # control or .
  - ☞ Enter a new PIN code and confirm.
  - ☞ Then enter and confirm the new PIN code again for confirmation.

## Incorrect entry?



- ☞ Briefly press **CLR**  control:
- ✓ The last entered digit is deleted.
- ☞ Press **CLR** control for longer:
- ✓ The complete entry is deleted.

## Aborting PIN or PUK entry

- ☞ Select and confirm "EXIT" with the multi-functional control,
- or:
- ☞ Press .
  - ✓ The entry is aborted, the attempt is not counted.
  - ✓ The set returns to TUNER, TAPE or CD.



## Emergency calls without SIM card or PIN

You can make "112" emergency calls with your CCRT 2008 even without a SIM card inserted, or PIN code entry or without detachable control unit.

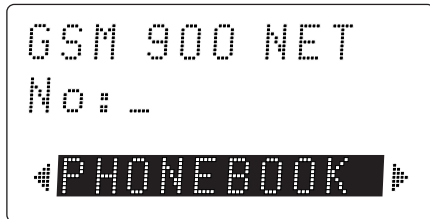
- If the detachable control unit is not inserted, the controls are not illuminated.
  - ☞ Press SOS control or .
  - ✓ The display shows:  
"CALL 112: SOS key"
  - ☞ Press SOS control again.
- or:
- ☞ Confirm "CALL" in the command line,
- or:
- ☞ Press ,
- or:
- ☞ Pick up handset.
  - ✓ The emergency number "112" is dialled.

## Aborting emergency call

If you selected "SOS CALL" by mistake:

- ☞ Press control  ,
- or:
- ☞ Select and confirm "END SOS" with the multi-functional control,
- or:
- ☞ Hang up handset.





The telephone is in stand-by mode

## Making calls

In stand-by mode:

- ☞ Enter phone number (always with full area code) with the number controls.
- ☞ When making international calls press number control **0** twice or longer to add a + before the international country code.
- ☞ Select and confirm "CALL" in the command line,

or:

- ☞ Press  .

- ✓ The entered phone number is dialed.
- ✓ As soon as you are connected to the call number, the set automatically enters the volume menu.

- ☞ Turn the multi-functional control to adjust the free speech volume.
- ☞ Confirm "MENU" in the command line to leave the volume menu.

## Redial

If the dialled phone number is occupied or the connection failed:

- ☞ Confirm "REDIAL" in the command line.

- ✓ The phone number is redialled again.

## Incorrect entry?

- ☞ Briefly press **CLR** control:
- ✓ The last entered digit is deleted.
- ☞ Press **CLR** control for longer:
- ✓ The complete entry is deleted.

## Ending a call

- ☞ Press  ,

or:

- ☞ Select and confirm "END" with the multi-functional control,

or:

- ☞ Wait until the called person hangs up.
- ✓ The connected call is automatically ended.

## Incoming calls

When a call comes in the telephone rings and the display shows:

- "call waiting" and
- the name or the phone number of the calling person, if this function is supported from the network.

## Accepting a call

- ☞ Press  ,

or:

- ☞ Select and confirm "ACCEPT" with the multi-functional control.
- ✓ The volume menu is shown.
- ☞ Turn the multi-functional control to adjust the free speech volume.
- ☞ Confirm "MENU" in the command line to leave the volume menu.

## Rejecting a call

- ☞ Press  ,

or:

- ☞ Select and confirm "REJECT" with the multi-functional control.

## Automatic answering

You can set the telephone to automatically answer an incoming call. See "Settings menu", page 44.

## During a call

As soon as you are connected to the called number, the set automatically enters the volume menu.

- ☞ Turn the multi-functional control to adjust the free speech volume.
- ☞ Confirm "MENU" in the command line to leave the volume menu.

Now the following functions are available during the call:

### Adjusting free speech volume

- ☞ Select and confirm "VOLUME" in the command line.
- ☞ Adjust the desired volume with the multi-functional control.
- ☞ Confirm "MENU" in the command line to leave the volume menu.

By steering wheel remote control:

- ☞ Press + or - control once or more than once.

### Microphone mute

- ☞ Select and confirm "MICRO MUTE" in the command line.

Cancel Microphone mute:

- ☞ Command "MICRO ON".

## Ending calls

To end a call or all calls at once (during multi calls or conference):

- ☞ Press ,

or:

- ☞ Select and confirm "END" with the multi-functional control.

### Additional functions

In the [CAL OPT.] menu you have access to additional functions.

- ☞ Select and confirm "OPTIONS" from the command line.

The following functions are available:

### Phone Book

During a call you can look up a telephone number from your phone book and send a second call.

- ☞ Select and confirm "PHONEBOOK" in the command line.

Also see "Multi calls menu", page 48

## Notebook

During a call you can store a phone number in the notebook:

- ☞ Select and confirm "NOTEBOOK" in the command line.
- ☞ Enter the number with the number controls.
- ☞ Select and confirm "SAVE" in the command line.
- The entered number is stored in the notebook and can be edited and copied to the phone book afterwards. See "Phone book", page 30.

### Swap calls and conference calls

During a phone call you can call a second phone number, alternate between two calls or have a conference with different callers.

- Select and confirm "MULT.CALLS" in the command line.

See "Multi calls menu", page 48.

## Sending short messages

During a phone call you can send short messages to other mobile phone users.

- ☞ Select and confirm "MESSAGES" in the command line.
- ☞ Enter and send the message as described on page 36.

## Call-meters

To show the elapsed time and/or the charges of the current call.

- ☞ Select and confirm "CALL MTRS" in the command line.
- ☞ Confirm "ON" or "OFF".
- If you select "OFF", only the called phone number is shown.
- The display of time and charge is dependent on the settings in submenu [CALL METERS]. See "Setting menu", page 44.

## Redialling

With every call you make the used phone number is stored in the redial list. The redial list contains the last dialled numbers.

The redial menu provides the following functions:

- Call a phone number from the redial list
- Edit a number and store it in the phone book
- Delete the redial list.

### Call a number from the redial list

In stand-by mode:

- ☞ Select and confirm "REDIAL" in the command line,

or :

- ☞ Press .

- ✓ The list of the last used phone numbers is shown.

- ☞ Select and confirm the desired phone number with the multi-functional control,

or:


- ☞ Press .

- ✓ The phone number is dialled.

## Fast redial

To redial the phone number last used:

In stand-by mode:

- ☞ Press  twice.

- ✓ The number is dialled.

### Store a number from the redial list in the phone book

In the redial list:

- ☞ Select and confirm the desired phone number with the multi-functional control.

- ☞ Select and confirm "SAVE" in the command line.

- ☞ Edit and store the number in the phone book as described on page 36.

### Delete redial list

- ☞ Select and confirm any of the numbers from the redial list.

- ☞ Select and confirm "DEL. LIST" in the command line.




- ☞ Confirm "DELETE?".

- ✓ The redial list is deleted.


## Quick dial

With the quick dial function you can retrieve a phone number from the phone book by just entering a one-digit quick dial number. The quick dial number refers to the position number in the phone book.

In stand-by mode:

-  Enter the quick dial number with the number controls (1...9).
-  Select and confirm "CALL!" in the command line.
- ✓ If an entry is stored under this position number, the selected entry is shown on the display.
- If no entry is stored, the display shows "no entry stored".
-  Select and confirm "CALL?" in the command line.
- ✓ The shown number is dialled.

If you want to call a different number from the phone book:

- Make sure that "CALL?" is shown in the command line.
-  Select and confirm "PHONEBOOK" in the command line to get into the phone book.


## Received calls

With every call you receive the phone number of the caller is stored in a list of received calls (if the network supports this function). The list of received calls contains the last ten phone numbers you were called by, even if you didn't answer them.





In the Received calls menu you have access to the following functions:

- Dial a number from the list of received calls
- Edit a number from the list and store it in your phone book
- Delete the list of received calls.




In stand-by mode:

-  Select and confirm "RCVD. CALLS" in the command line.
- ✓ The list of received calls is shown.




## Calling back a caller

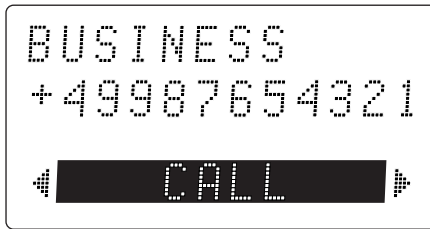
-  Select and confirm desired number with the multi-functional control.
-  Confirm "CALL" in the command line,
- or:
-  Press  .
- ✓ The number is dialled.

## Storing a number from the list of received calls in the phone book

-  Select and confirm desired number with the multi-functional control.
-  Select and confirm "STORE" in the command line.
-  Edit and store the number in the phone book as described on page 30.

## Delete the list of received calls

-  Select and confirm one of the numbers in the list of received calls.
-  Select and confirm "DEL. LIST" in the command line.
-  Confirm "DELETE?".
- ✓ The list of received calls is deleted.



*Example: Cursor marks a command*

### Using the menus

The menus of the CCRT 2008 can be displayed in three lines of the display. The active line (cursor) is always highlighted (black characters on a white background).

Executable commands are always displayed in capital letters. Menu options or list entries are shown in the upper two lines of the display. The bottom line shows either executable commands or information on the current menu.

Turning the multi-functional control selects the desired command or option.

Pressing the multi-functional control confirms the selection or executes the selected command.



*Example: Character entry*

### Abort function

If you want to abort an entry or if you don't know how to exit a certain menu:

☞ Press  control.

✓ The set goes back to stand-by mode.

### Entering characters

For entering names or messages the letters are selected from a list.

For this purpose 3 different character lists are available:

- Upper case
- Lower case
- Extra characters.
- For the display of Greek only upper case characters are available.

Moreover you can edit an entry which is already stored with a movable cursor.

When editing a new phone book entry or a message first the list of upper case characters appears.

You can select the desired characters with the multi-functional control or with the search controls ◀ and ▶. The selected character is confirmed by pressing the multi-functional control.

## Example

You want to store a new phone number in your phone book. The entry should be named with "Susi&Mark".

In stand-by mode:

- ☞ Select and confirm "PHONEBOOK" in the command line.
- ☞ Select and confirm "ADD ENTRY".
- ✓ The display shows "Add no.:".
- ☞ Enter the new phone number with the number controls **0 . . . 9**.
- ☞ Select and confirm "OK" in the command line.
- ☞ The display now shows "Add name:" and the list of upper case characters.
- ☞ Select the "S" with the multi-functional control or with the search controls **◀** and **▶** and confirm by pressing the multi-functional control.
- ☞ Select and confirm "OK".
- ☞ Select and confirm "LOWER CASE" in the command line.
- ✓ The list of lower case characters appears

- ☞ Select and confirm "u", "s" and "i" from the list of characters in succession.
- ☞ Select and confirm "OK".
- ☞ Select and confirm "EXTRA CHAR" in the command line.
- ✓ The list of special characters appears.
- ☞ Select and confirm "&" from the list of special characters.
- ☞ Select and confirm "OK".
- ☞ Select and confirm "UPPER CASE" in the command line.
- ☞ Enter all further letters the same way as described above.

Select and confirm "OK" in the command line to complete the name entry.

## Incorrect entry?

- ☞ Briefly press **CLR** control:
- ✓ The last entered character is deleted.
- ☞ Press **CLR** control or longer:
- ✓ The complete entry is deleted.

## The movable cursor

With the "move cursor" function you can edit existing names and numbers from the phone book or alter messages.

- ☞ Select desired entry or message or make a new entry.
- ☞ Select and confirm "EDIT".
- ☞ Select and confirm "MOVE CURS." in the command line.
- ✓ A "-" appears as the cursor at the end of the entry.
- ☞ Move the cursor to the desired place with the multi-functional control.

## Delete characters

- ☞ Delete incorrect characters backwards with the **CLR** control.

## Inserting digits

- ☞ Enter additional digits by pressing the relevant number controls.

## Inserting characters

- ☞ Select and confirm "OK" in the command line.
- ☞ Select one of the three lists of characters and enter the desired characters.

## Phone book

The phone book gives you the opportunity to store phone numbers on your SIM card. The maximum number of entries is dependent on your SIM card.

Additionally you can assign a name to each phone number.


Moreover every phone book entry is numbered with a position number. This position number directly refers to the storage number on the SIM card.

When adding new entries the CCRT 2008 suggests the next position number available in the phone book, but you can also alter the position number.

By factory default the phone book is sorted alphabetically. You can also set the phone book to be sorted by position numbers. See "Settings menu", page 44.

## Entering the phone book menu






In stand-by mode:

-  Select and confirm "PHONEBOOK" in the command line.
- ✓ The phone book menu is displayed.

## Making calls out of the phone book

You can select a phone book entry and dial it directly.



In the phone book menu:

-  Select and confirm "BOOK LIST".
- ✓ The display shows the first phone book entry.
-  Turn multi-functional control to select the desired entry.
-  Press ,
- or:
-  Confirm selected entry, then confirm "CALL".
- ✓ The phone number of the selected entry is dialled.

## Searching for an entry

You can search for a certain entry in your phone book.

In the phone book menu:

-  Select and confirm "SEARCH LIST".
-  Select and confirm the initial letter with the multi-functional control.
- ✓ The display shows the first phone book entry starting with the selected letter.
- If the displayed entry is not the one you were searching for, you can scroll through the list by turning the multi-functional control.

## Adding entries

In the phone book menu:

- ☞ Select and confirm "ADD ENTRY".
- ✓ The display shows "ADD no.:".
- If the display shows "SIM full" no further entries can be stored in the phone book. Delete one or more entries no longer required before adding a new entry.
- ☞ Enter the desired phone number with the number 0 . . . 9 controls.
- A + should be added to all international numbers as the first digit.
- You should always enter the phone number completely with the country code (for example + 49 ...).
- ☞ If you entered a wrong digit, press the **CLR** control.
- ☞ Confirm entered phone number with "OK".
- ✓ The display shows "Add name:" and the list of upper case characters for the name entry.
- ☞ Enter the desired name for the phone number.
- The Maximum length for name entries is dependent on your SIM card. The CCRT 2008 supports entry of up to 18 characters.

☞ Select "OK" to store the name in the phone book.

✓ The display now shows the next available position number.

☞ Accept position number by selecting "OK".

or:

☞ Enter the desired position number with the number controls.

✓ Now the entry is stored on the position you selected.

● If an entry is already stored on the selected position number this entry is shifted to the next available position.

## Useful phone numbers

We recommend that you store the following phone numbers in your phone book:

- The emergency number "112" or a different emergency number (country-specific)
- The number of the message centre
- The number of the voice mailbox (normally prestored on your SIM card).

## Editing an entry

You can edit the name, the phone number or the position number of a phone book entry.

☞ Select and confirm desired phone book entry.

☞ Select and confirm "EDIT" in the command line.

✓ The display shows "Edit no.:" and the phone number.

## Changing the number

☞ Delete backwards by pressing the **CLR** control until you have reached the desired digit and enter the changed digits,

or:

☞ Press **CLR** control for longer to delete the complete number,

☞ or:

☞ Edit the number by use of the movable cursor.



## Changing the name

- ☞ Select and confirm desired phone book entry.
- ☞ Select and confirm "EDIT" in the command line.
- ☞ The display shows "Edit no.:" and the phone number.
- ☞ Select and confirm "OK" in the command line.
- ✓ The display shows "Edit name:" and the name.
- ☞ Delete backwards by pressing the **CLR** control until you have reached the desired character,

or:

- ☞ Press **CLR** control for longer to delete the complete name.
- ☞ Select "UPPER CASE", "LOWER CASE" or "EXTRA CHAR" and enter the characters to be changed,

or:

- ☞ Edit the name by use of the movable cursor.

## Changing the position number

This way you can for example shift a phone number already stored in the phone book into the quick dial section (position numbers 1 to 10).

- ☞ Select and confirm desired phone book entry.
- ☞ Select and confirm "EDIT" in the command line.
- ☞ The display shows "Edit no.:" and the phone number.
- ☞ Confirm the number and the name by selecting "OK" in the command line.
- ✓ The display shows "Edit pos.:" and the current position number.
- ☞ Delete the position number with the **CLR** control and enter new position number with the number controls.

or:

- ☞ Change the number with the movable cursor.
- An entry previously stored on this position is automatically shifted to another position number. The display then shows the new position number of the shifted entry.
- The number of available position numbers (storage locations) depends on the SIM card inserted.

## Deleting entries

To delete an entry from the phone book:

- ☞ Select and confirm desired phone book entry.
- ☞ Select and confirm "DELETE" in the command line.
- ✓ The display shows "DELETE ?".
- ☞ Confirm "DELETE ?".
- ✓ The entry is deleted.

## Notebook

You can store a number in the notebook during a phone call. See "During a call".

With this function you can dial the stored number, add it to the phone book or delete it from the notebook.

## Own phone number

Here you can store up to 5 own phone numbers on your SIM card.

You can edit the numbers, shift from one position to another or delete them.

## PIN2 book

The PIN2 book is an additional phone book. Changes in this book can only be carried out after entering a special code (PIN2).


Together with a special call-barring option you can for example restrict calls only to the PIN2 book and protect the normal phone book from changes. See "Call-barring menu", page 40.

- You get the PIN2 from your network operator or service provider.
- The PIN2 is not supported by all SIM cards.
- You can change the PIN2 if you want to. See "Security menu", page 47

The PIN2 book gives you the following opportunities:

- Dial phone numbers from the PIN2 book
- Search for entries
- Add entries (PIN2 required)
- Edit existing entries (PIN2 required)
- Delete entries (PIN2 required).

In the phone book menu:

 Select and confirm "PIN2" BOOK".

✓ The |PIN2 BOOK| is shown.

The following menu options are available:

|BOOK2 LIST|

Shows the list of PIN2 book entries.

|SEARCH LIST|

Same as "Searching for an entry", page 29.

|ADD ENTRY|

Enter the PIN2 before you can add entries.  
See also "Adding entries", page 30.


## Mailbox menu

Most of the network operators and the service providers provide a voice mailbox for their customers.

The |VOICE MAIL| menu gives you the following opportunities:

- Calling the mailbox and hearing messages.
- Forwarding all calls to your voice mailbox with forwarding option "ALL CALLS".
- Reset call forwarding.
- For use of the mailbox please refer to the user manual of your network operator or service provider.
- If you set the |FORW.MAILBOX| option in the |VOICE MAIL| menu, all incoming calls are forwarded to your voice mailbox, even if your telephone is switched on and connected to a network.  
If you want to forward calls to your mailbox only for example if you are unreachable, you have to set another call forwarding option. See "Call forwarding menu", page 38.

In stand-by mode:

 Select and confirm "MAILBOX" in the command line.

✓ The mailbox menu is shown.

### Hearing voice messages

☞ Select and confirm "CALL MAILBOX".

If the correct mailbox number is already shown on the display:

☞ Confirm "CALL" in the command line,

or:

☞ Press .

✓ The mailbox number is dialed.

If no mailbox number has been entered yet:

☞ Enter the mailbox number with the number controls,

or:

☞ Select and confirm "PHONEBOOK" in the command line.

☞ Select the mailbox number from the phone book (if stored).

☞ Proceed as described above.

● You get the mailbox number from your network operator or service provider. It is often stored on the SIM card by default.

### Forward calls to your mailbox

☞ Select and confirm "FORW. MAILBOX".

☞ Enter the number for call forwarding to your mailbox with the number controls.

or:

☞ Recall the number from your phone book (if already stored),

or:


☞ Edit the display number with the movable cursor.

☞ Select and confirm "OK" in the command line.

✓ The call forwarding option "ALL CALLS" is set.

● To carry out this function the telephone has to be connected to the network.

● If you set the call forwarding in the mailbox menu, all calls will be forwarded to your mailbox.

● The  indication appears on the display.

● You get the phone number for call forwarding to your mailbox from your network operator or service provider.

### Resetting call forwarding to your mailbox


☞ Select and confirm "RESET FORW."

✓ The display shows "forw. reset all calls?".

☞ Confirm "OK" in the command line.


✓ The call forwarding to your mailbox is cancelled.

● To carry out this function the telephone has to be connected to the network.



● The  indication disappears from the display.

## Message menu

Your CCRT 2008 provides the capability to receive and send short messages. Short messages are alphanumeric text messages individually sent to your phone number. You can also send individual short messages to other mobile phones.

- When new messages have been received the display shows the  indication.
- All received messages are stored on your SIM card. You can re-use stored messages to forward them to other phone numbers (for example to send an answer).
- The number of messages that can be received or stored depends on the memory of your SIM card.
- To receive messages free memory on your SIM card is required. Therefore you should always delete messages no longer required. See page 37.

In stand-by mode:


-  Select and confirm "MENU" in the command line.
-  Select and confirm "MESSAGES".
- ✓ The display shows the newly received messages you have already stored or read.
- Messages which are already stored or read are shown as "saved msg".

In the [MESSAGES] menu the following functions are available:





- Read messages
- Call the sender of a message
- Dial a phone number contained in a message
- Edit, store and forward messages
- Delete messages.

## New messages

In the message menu:

-  Select and confirm "NEW MSGS" in the command line.
- ✓ The list of received messages is shown.
- The message last received is at the top of the list.
- The phone numbers of the senders are shown, if the network transmits this information.

## Reading new messages

-  Select and confirm the desired message.
- ✓ The data and time of sending the messages are shown.
-  Select and confirm "READ MSG".
- ✓ The message content is shown.
-  With the multi-functional control you can scroll through the text.
-  Select "EXIT" to stop reading the message.



- Messages which cannot be stored on your SIM card, due to insufficient memory, are stored in the message centre of your network operator or service provider for a certain time. As soon as you free memory on your SIM card by deleting old messages you can read these messages.

### Calling back a sender

If the phone number of the sender is shown in the list of messages you can directly dial this number from the messages menu.

☞ Select desired messages.

☞ Press  .

or:

☞ Select and confirm the desired message.

☞ Select and confirm "CALL" in the command line.

✓ The sender of the message is called.

### Calling a number contained in a message

If a phone number is contained in a message text you can automatically dial this number when reading the message.

☞ Scroll through the message until the phone number is marked.

☞ Press  .

✓ The phone number is dialled.

Restrictions:

For automatic phone number recognition in a message the following requirements have to be met:

- The phone number must not include spaces or special characters
- A space has to be placed before and behind the phone number
- The phone number has to be longer than one digit.

### Reading saved messages

In the messages menu:

☞ Select and confirm "SAVED MSG" in the command line.

✓ The list of messages already stored is shown.

✓ The phone numbers of the senders are shown, if the network transmits this information.

☞ Select and confirm the desired message.

✓ The date and time of sending the message are shown.

☞ Select and confirm "READ MSG".

✓ The message content is shown.






☞ With the multi-functional control you can scroll through the text.

☞ Select "EXIT" to stop reading the message.





## Forwarding messages

With the use of this function you can edit new or saved messages, store them or forward them to other users of mobile phones.




In the messages menu:

-  Select and confirm "NEW MSGS" or "SAVED MSG" in the command line.
-  Select and confirm the desired message.
-  Select and confirm "FORW.MSG" in the command line.
-  The phone number of the sender is shown (if the network has transmitted this information).
-  Enter the phone number to which the message should be forwarded,

or:

-  Accept the displayed phone number with "OK", for example to answer the sender of the message.
-  Select and confirm "OK" in the command line.
-  The list of lower case characters appears, the cursor is placed at the end of the message text.
-  Edit the message as desired for example by deleting or adding text,

or:








-  Select and confirm "OK" twice to forward the message without any changes.
-  Select and confirm "SEND MSG" in the command line.
-  If you want to send messages to phone numbers from outside your home network you may first have to store a different phone number for the message centre. See page 38.

## Sending messages

To send messages the following requirements have to be met.

- The telephone has to be connected to a GSM network
- The phone number of the message centre has to be stored in your telephone.

In the messages menu:

-  Select and confirm "SEND MSG" in the command line.
  -  Enter the phone number of the message recipient with the number controls,
- or:
-  Select a phone book entry,
- or:
-  Select an entry from the redial list.
  -  Enter the message text by use of the character lists.
  -  Select and confirm "SEND" in the command line.
-  The message is sent to the message centre.

## Deleting messages

Deleting a particular message

In the messages menu:

☞ Select and confirm "NEW MSGS" or "SAVED MSG" in the command line.

✓ The list of new or stored messages is shown.

☞ Select and confirm the desired message.

☞ Select and confirm "DELETE MSG" in the command line.

☞ Confirm "DELETE?" in the command line.

✓ The selected message is deleted.

## Deleting all messages

In the messages menu:

☞ Select and confirm "DEL. MSGS" in the command line.

✓ A list with new and stored messages is shown.

☞ Select and confirm "DELETE NEW" or "DELETE SAVED".

☞ Confirm "DELETE?" in the command line.

✓ All new or all stored messages are deleted.

## Configuring messages

In the [CONF. MSGS] menu the following functions are available:

Set the validity time for sent messages

Enter and change the number of the message centre.

[VALIDITY]

Here you can specify how long the messages you send should be stored at the message centre.

The message recipient can only receive your messages within this time. After this time the messages are deleted.

☞ Delete displayed validity time with the CLR control.

☞ Enter desired validity time (0 to 30 days) with the number controls.

☞ Confirm "OK" in the command line.

✓ The new validity time for sent messages is set.

● You can get information about the maximum validity time for sent messages from your network operator or service provider.

[MSG CENTER]

Here you can store the number of the message centre, which is required for sending messages.

If you want to send messages to recipients beyond your home network, you may have to enter the number of a different message centre here.

● You can get the number of the message centre from your network operator or service provider.



## Call forwarding menu

You can forward incoming calls to another phone number, for example to a fixed phone or to your voice mailbox.

In the |CALL FORW.| menu you can set different call forwarding options:






- If unreachable (telephone is switched off, not connected to the network, etc.)
- If you do not answer an incoming call
- If you do not want to be disturbed (All calls). See also "Mailbox menu", page 33
- If your telephone is busy.
- To have access to the |CALL FORW | menu the call barring option | EXCPT PIN2 | must not be activated.
- In case of activated call forwarding option, additional charges can result depending on your network operator and/or service provider.

In stand-by mode:

-  Select and confirm "MENU" in the command line.
-  Select and confirm "CALL FORW."
- ✓ The |CALL FORW.| menu is shown.
- The telephone has to be connected to the network to carry out the forwarding options.
- If a call forwarding option is set, a tick appears behind the option.







### If unreachable |IF UNREACH.|

This option forwards the calls if you have switched off your telephone, not inserted a SIM card or the telephone is not connected to the network.

-  Select and confirm "IF UNREACH."
-  Enter the phone number,
- or:
-  Confirm the displayed phone number or edit it with the movable cursor,
- or
-  Select a phone book entry.
-  Select and confirm "OK" in the command line.
- ✓ All incoming calls are forwarded to the entered phone number if you are unreachable.

### If no reply |IF NO REPLY|

If you cannot or do not want to answer a call.

-  Select and confirm "IF NO REPLY".
-  Enter the phone number,
- or:
-  Confirm the displayed phone number or edit it with the movable cursor,
- or:
-  Select a phone book entry.
-  Select and confirm "OK" in the command line.
-  All unanswered calls are forwarded to the entered phone number.



### **All calls |ALL CALLS|**

If, for example, you want to forward all calls to your office or you do not want to be disturbed:

☞ Select and confirm "IF NO REPLY".

☞ Enter the phone number,

or:

☞ Confirm the displayed phone number of edit it with the movable cursor,

or:

☞ Select a phone book entry.

☞ Select and confirm "OK" in the command line.

☞ All calls are forwarded to the entered phone number.

- ✓ The display shows the o indication.
- The call forwarding option "ALL CALLS" has priority over all other forwarding options and overrules them.
- If the call forwarding option "ALL CALLS" is reset, the call forwarding option to your voice mailbox is also cancelled. See "Mailbox menu", page 33.

### **If busy |IF BUSY|**

If your telephone is busy.

☞ Select and confirm "IF NO REPLY".

☞ Enter the phone number,

or:

☞ Confirm the displayed phone number or edit it with the movable cursor,

or:

☞ Select a phone book entry.

☞ Select and confirm "OK" in the command line.

- ✓ While your telephone is busy, all incoming calls are forwarded to the entered phone number.

### **Resetting call forwarding**

To set a particular call forwarding option:

☞ Select and confirm the desired active call forwarding option.

- ✓ The call forwarding option is cancelled.
- The phone numbers indicated for this forwarding option remain stored in the network.

### **Resetting all call forwarding options |RESET|**

If you want to cancel all call forwarding options in one go:

☞ Select and confirm "IF NO REPLY".

- ✓ All call forwarding options are cancelled.
- ✓ This function also cancels the call forwarding to your voice mailbox. See "Mailbox menu", page 33.

## Call barring menu

You can set and reset call barring for certain calls.

The [BARRING] menu is divided into the two submenus for incoming calls [BAR IN] and for outgoing calls [BAR OUT].

In stand-by mode:

- ☞ Select and confirm "MENU" in the command line.
- ☞ Select and confirm "CALL BARRING".
- ✓ The [BARRING] menu is shown.
- You need the network code to carry out the call barring options in the submenus [BAR IN|NET SERVICES] and [BAR OUT|NET SERVICES]. You can get the network code from your network operator or service provider.
- The telephone has to be connected to the network to change the call barring options.
- Call barring options may depend on your network operator or service provider and you may be charged for these options.

## Incoming calls

In the [BAR IN] submenu the following options are available:

- Bar incoming calls in the network other than your home network (roaming), for example if you are abroad.
- Bar all incoming calls.

## Net services [NET SERVICES]

To set and reset incoming call barrings provided by your network operator or service provider.


## [ROAMING]

The GSM standard gives you the opportunity to receive calls even when your telephone is connected to a network other than your home network, for example if you are abroad (roaming). If you want to bar calls from a network other than your home network (if you do not want to be charged for extra costs arising by roaming):

- ☞ Select and confirm "ROAMING".
- ☞ Enter the network code.
- ☞ Select and confirm "OK" in the command line.
- ✓ Incoming calls when roaming are barred.
- If the call barring is set, a tick appears behind the option.

## [ALL CALLS]

If you want to bar all incoming calls:

- ☞ Proceed as described under [ROAMING].
- ✓ The display shows the  indication.

## [RESET]

To cancel all call barrings in the [BAR IN| NET SERVICES] submenu.

## Outgoing calls

In the [BAR OUT] submenu the following options are available:




- Bar international calls
- Bar international calls excluding your home country
- Bar all outgoing calls
- Bar all outgoing calls excluding phone numbers from the PIN2 book.

## Net services [NET SERVICES]

To set and reset outgoing call barrings provided by your network operator or service provider.


[INT. CALLS]

If you want to bar calls to abroad:

-  Select and confirm "INT. CALLS".
-  Enter the network code.
-  Select and confirm "OK" in the command line.
- ✓ Outgoing international calls are barred.
- If the call barring is set, a tick appears behind the option.


[EXCPT HOME]

All international calls are barred excluding calls to your home country, if you are abroad.

-  Proceed as described under [INT. CALLS].

[ALL CALLS]

If you want to bar all outgoing calls:



-  Proceed as described under [INT. CALLS].

[RESET]

To cancel all call barrings in the [BAR OUT] [NET SERVICES] submenu.

## Resetting particular call barring option

If you want to cancel a particular active call barring option:

-  Select and confirm desired option.
-  Enter the network code.
- ✓ The call barring option is cancelled.
- The tick behind the option disappears.





## Limit outgoing calls to PIN2 book

[EXCPT PIN2]

Here you can limit all outgoing calls to entries from the PIN2 book. Moreover the access to the normal phone book is locked.

- You need the PIN2 to carry out this function.
- You can get the PIN2 from your network operator or service provider.
- This function (PIN 2) is not supported by all SIM cards.

In the [BARRING] menu:

-  Select and confirm "BAR OUT".
-  Select and confirm "EXCPT PIN2".
-  Enter the PIN2.
-  Select and confirm "OK" in the command line.
- ✓ Now you can only dial numbers from the PIN2 book.

- You can also dial numbers from which the first digits are stored in a PIN2 book entry.
- This way you can for example limit outgoing calls to an area for which the area code is stored in the PIN2 book.
- If the call barring is set, a tick appears behind the option.
- If the call barring option |ECXPT PIN2| is set, several functions are locked which require a network request (for example call forwarding, call barrings controlled by the network, changing the network code).

#### Reset call barring PIN2 book

In the |BARRING| menu:

- ☞ Select and confirm "BAR OUT".
- ☞ Select and confirm "EXCPT PIN2".
- ☞ Enter the PIN2.
- ☞ Select and confirm "OK" in the command line.
- ✓ The call barring option is cancelled.
- The tick behind the option disappears.

### Network menu

Normally your telephone automatically connects to your home network. The home network is the network of your network operator or service provider. If you are beyond the limits of your home network or abroad, the telephone searches for a network available in that area.

In the |NETWORK| menu the following options are available:

- Automatic network selection
- Manual network selection
- Manual/automatic network selection (the manually selected network is preferred)
- Build up and edit a list of preferred networks.

In stand-by mode:








- ☞ Select and confirm "MENU" in the command line.
- ☞ Select and confirm "NETWORK".
- ☞ The |NETWORK| menu is shown.

### Automatic selection |AUTO SEL.|

- ☞ Select and confirm "AUTO SEL."
- ✓ The telephone automatically connects to your home network.
- If automatic selection is active, a tick appears behind the option.
- Automatic selection is set by factory default.
- If your home network cannot be received, a network from the list of preferred networks is selected. See "List of preferred networks".
- If the list of preferred networks is empty, a network is selected, which is available for you.







### **Manual selection [MAN. SEL.]**

You can manually connect to a network currently on air, if your network operator or service provider allows you to.

-  Select and confirm "AUTO SEL."
-  The telephone automatically connects to your home network.
-  The list of networks currently on air is shown.
-  Select and confirm the desired network.
-  The telephone connects to the selected network.
-  If manual selection is active, a tick appears behind the option.
-  If the selected network can no longer be received, you have to select another receivable network or switch to one of the functions "Automatic selection" or "Manual selection".

### **Manual automatic [MAN. AUTO]**

In general this function is the same as "Manual selection". But if you leave the reception area of the manually selected network, the telephone switches to automatic selection.

-  Select and confirm "MAN. AUTO".
-  The list of networks currently on air is shown.
-  Select and confirm the desired network.
-  The telephone connects to the selected network.
-  If manual automatic selection is active a tick appears behind the option.
-  If the selected network can no longer be received, the telephone automatically connects to another network.

### **List of preferred networks [PREF. LIST]**

In the [PREF. LIST] menu you can determine which network should be preferred when your telephone connects to a network other than your home network.

#### [VIEW LIST]

Shows the list of preferred networks currently stored.

#### [ADD NETWORK]

By means of this function you can add new entries to the list of preferred networks.

- Networks available [NETS ON AIR]  
Adding a network currently on air
- Known networks [KNOWN NETS]  
Adding a network from the list of world-wide existing GSM networks

#### [DELETE NET]

Deleting one of the networks from the list of preferred networks.




## Settings menu

The [SETTINGS] menu is divided into three submenus:

- Telephone settings [PHONE SET.]
- Network settings [NETWORK SET]
- Configuration [CONFIGURAT.]

Moreover you are able to reset the telephone to its factory defaults by selecting the [RESET] option.

In stand-by mode:

-  Select and confirm "MENU" in the command line.
-  Select and confirm "SETTINGS".
- The [SETTINGS] menu is shown.
-  Select the desired submenu.

## Phone settings

In the [PHONE SET.] submenu the following functions are available:

- Automatic answering on/off
- Phone book sorting:  
alphabetical/by position number
- User information on/off

## Automatic answering [AUTO ANSWER]

To switch on or off automatic answering of an incoming call.

- If the function is set, a tick appears behind the option.

## Phone book sorting [BOOK SORT.]

To switch on or off alphabetical sorting of the phone book.

- If alphabetical sorting is set, a tick appears behind the option.
- If this function is switched off, phone book entries are sorted by their position number on the SIM card.

## User information [INFO WINDOW]

To switch on or off display of brief user information when selecting PHONE.

- If the function is set, a tick appears behind the option.

## Network settings

In the [NETWORK SET] submenu you can adjust the following settings:

- Call waiting on/off
- Check if call ID is enabled or disabled by your network operator or service provider.
- To have access to the [NETWORK SET] submenu, the call barring option [EXPT. PIN2] has to be set to off. See "Call barring menu", page 40.

## Report when a second call is waiting [CALL WAITING]

Select if you want to be informed by a beep during a call when a second call is waiting.

- If the function is set, a tick appears behind the option.

## Show call ID [CALL ID]

Shows you whether your phone number (call ID) is transmitted to the called phone or not.

- If transmission of your call ID is enabled, a tick appears behind the option.
- You have to register enabling/ disabling of the call ID at your network operator or service provider.


## Configuration

In the [CONFIGURAT.] submenu you can adjust the following settings:


- Select the language for display messages
- Select tone and volume of the ringer
- Switch on/off display of call time and charges
- Show the cumulative call time and charges
- Reset the cumulative call time and charges
- Enable/disable the loan phone lock
- Set or alter the charge rate
- Show the identification number of the telephone (MEI) for service.

Selecting the language

### [LANGUAGE]

-  Select the language of displayed messages.
- If you select "AUTOMATIC" the language of your home network is set.
- If no display language is available for your language the set automatically switches to ENGLISH.
- For altering the menu language a SIM card has to be inserted.

## Ringer tone and volume [RINGER]

-  Select the tone and the volume of the ringer.

## Time and cost display [CALL METERS]

In the [CALL METERS] submenu the following options are available:

### [TIME]

Switch on/off the display of the elapsed time of a call.

- If the function is set, a tick appears behind the option.

### [COSTS]

Switch on/off the display of the cumulated charges of a call.

- If the function is set, a tick appears behind the option.
- Before you can enable the [COSTS] option you have to enter the charge rate by selecting the [CHARGE RATE] option. See next page.
- You may have to register for this service with your network operator or service provider.  
Transmission of the charge rate impulse causes additional charges and may affect the performance of your SIM card (for example call forwarding).

## [VIEW MTRS]

Show the cumulated time and changes.

## [RESET MTRS]

Set the cumulated time [TOTAL TIME] and charges [TOTAL COSTS] to zero.

- If you want to set the cumulated time, the loan phone lock has to be disabled (see below).
- If you want to reset the cumulated charges you have to enter the PIN2.

## [LOAN PHONE]

If you want to enable the loan phone lock the following functions are locked.

- Reset the cumulated time
- Change the charge rate.
- You have to enter the radio code to enable/disable the loan phone lock.

## |CHARGE LIMIT|

With this option you can specify a charge limit, which limits the use of the SIM card to the entered charge as soon as the loan phone lock is activated.

- ☞ Select "CHARGE LIMIT" in submenu |CALL MTRS|.
- ☞ Select "SET LIMIT" in submenu |LIMIT|.
- ☞ Enter the PIN2.
- ☞ Enter the desired charge limit with the number keys.
- If a charge limit is already set, this charge limit is displayed.
- ☞ If you want to change the existing limit, delete with the **CLR** key backwards to the desired digit.
- ☞ If you want to enter a decimal point select and confirm "ENTER"." in the command line.
- ☞ Make sure that the selected charge rate is set correctly. the charge limit directly depends on the entered charge rate.

### Reset charge limit

- ☞ select and confirm "RESET LIMIT" in submenu |LIMIT|.
- ☞ Enter PIN2.
- ✓ The charge limit is deleted.

## |CHARGE RATE|

- ☞ Select "CHARGE RATE" in the |CALL MTRS| submenu.
- If the loan phone lock is enabled, first enter the radio code.
- ☞ Select the currency for the charge display.
- ☞ Enter the cost of one unit with the number controls.
- ☞ If you want to enter a decimal point select and confirm "ENTER"." in the command line.
- ☞ If you want to alter or clear a charge rate previously entered, use the **CLR** control.

### Hardware identification |SHOW IMEI|

Shows the hardware identification number (IMEI) of your telephone module.

This number is required for service purposes only.

## Resetting of defaults

With the |DEF. RESET| option you are able to reset all user specific settings of the telephone to their factory default.

The following settings are made when resetting:

- |AUTO ANSWER| (off)
- |BOOK SORT| (on)
- |INFO WINDOW| (on)
- |RINGER| (Tone 2, Volume 4)
- |TIME| and |COSTS| (off)
- |OFF DELAY| (0 min.).

### Other method

- ☞ Switch off the CCRT 2008 with the **OI** control.
- ☞ Press the **CLR** control and keep it pressed.
- ☞ Hold the **CLR** control and switch on the CCRT 2008 with the **OI** control.
- ✓ All above mentioned settings are reset to their factory defaults.
- ✓ In addition the display language is set to ENGLISH.





## Security menu

In the |SECURITY| menu you can adjust the following settings:



- Disable PIN entry (not supported by all SIM cards)
- Change your PIN
- Change PIN2 (not supported by all SIM cards)
- Change the network code
- Adjust the time delay for switch-off of the telephone.

In stand-by mode:

-  Select and confirm "MENU" in the command line.
-  Select and confirm "SECURITY".
- ✓ The |SECURITY| menu is shown.






### PIN entry [PIN ON]

If you want to disable the PIN entry:

-  Select and confirm "PIN ON".
-  Enter the PIN and confirm.
- ✓ The PIN entry is now disabled.
- If the function is set, a tick appears behind the option.
- Disabling the PIN entry is not supported by all SIM cards.



### Changing the PIN [CHANGE PIN]

If you want to change your PIN:

-  Select and confirm "CHANGE PIN".
-  Enter old PIN.
-  Confirm "OK" in the command line.
-  Enter a new PIN.
-  For confirmation enter the new PIN again after you are requested.
- ✓ The changed PIN is stored on your SIM card.



### Changing the PIN2 [CHANGE PIN2]

If you want to change the PIN2.

-  Select and confirm "CHANGE PIN2".
-  Proceed as described under "Changing the PIN".
- The PIN2 is not supported by all SIM cards.

### Changing the network code [CHANGE NETC]





If you want to change your network code:

-  Select and confirm "CHANGE NETC".
-  Proceed as described under "Changing the PIN".
- To change the network code your telephone has to be connected to the network.

### Switch off delay [OFF DELAY]

With the switch off delay time you can adjust how long you want the telephone to be in stand-by with the SIM card inserted after switching off the CCRT 2008.

You can directly access the telephone functions after switching on the CCRT 2008, even without entering the PIN code again.

-  Select and confirm "OFF DELAY".
-  Delete the displayed delay time with the **CLR** control.
-  Enter the desired delay time in minutes with the number controls (0 to 99 minutes).
-  Confirm "OK" in the command line.
- If you want the PIN control to be active directly after switching off the CCRT 2008, enter a value of 0 minutes.
- If a delay time other than 0 minutes is entered, a tick appears behind the option.






## Multi calls menu

The CCRT 2008 provides comfortable menu support for multiple calls at the same time. During a call the following functions are available in the [MULT. CALLS] menu:

- Call new numbers without ending the current call
- Answer further calls
- Swap between two calls
- Join calls together to form one conference call
- End active call or call on hold
- End all calls at the same time.


## Making a second call [CALL NEW]

During a call:

-  Select and confirm "OPTIONS" in the command line
-  Select and confirm "MULTI. CALLS" in the command line.
- ✓ The [MULT. CALLS] menu is shown.
-  Select and confirm "SWAP" in the command line to set the current call on hold.
- If you do not set the call on hold, the caller of the first call hears the dial tones for the second call.
-  Enter the phone number with the number controls or select a phone book entry or a number from the redial list.
-  Select and confirm "CALL" in the command line.
- ✓ The new phone number is dialed.
- ✓ The current call is set on hold.

## Other method

During a call:

-  Enter the new phone number and send the call.
- ✓ The new phone number is dialed.
- ✓ The current call is set on hold.
- The telephone now automatically enters the [MULT. CALLS] menu.

### Swap between active and held call [SWAP]

- ☞ Select and confirm "SWAP" in the command line.
- ✓ The active call is set on hold. The previously held call is now active.
- ✓ A star before the number or name shows the active call.
- You can swap between the two calls in this way.

### Conference call [CONFERENCE]

You can join an active and a held call together to one conference call.

In the [MULTI. CALLS] menu:

- ☞ Select and confirm "CONFERENCE" in the command line.
- ✓ Now the active and the held calls are joined together and handled as one call.
- ☞ You can set this conference call on hold, call a new phone number and join this new call to the existing conference call as described above.

### Ending a certain call [END...]

In the [MULTI. CALLS] menu:

- ☞ Select and confirm "END . . ." in the command line.
- ☞ Select the call to be ended (active or held).
- ✓ The selected call is ended.
- Now you can continue with the other calls.

### Ending all calls

☞ Press ,

or:

☞ Select and confirm "END ALL" in the [MULTI. CALLS]END . . . | submenu,

or:

☞ Select and confirm "END".

### Which call is active, which is on hold?

If you want to have information on the callers during multiple calls:

In the [MULT. CALLS] menu:

- ☞ Select and confirm "INFO" in the command line.
- ✓ A list of all current calls is shown.
- ☞ Select the desired call with the multi-functional control.
- ✓ The command line shows if it is the active or the held call.

## Handset (optional)

Normally you make calls with the built-in free speech unit of your CCRT 2008.

- ⚠ Using the handset while driving can be dangerous because making calls decreases your concentration.
- ⚠ In many counties making calls with an external handset while driving is prohibited. Please pay attention to the local regulations in the country you are travelling in.
- Always put the handset into its holder when you do not use the telephone.

## Answering a call

If the phone rings:

- ☞ Pick up the handset.
- ✓ The call is accepted.
- Now you can speak to the caller with the handset.
- You can also answer a second call by picking up the handset during a connected free speech call.
- The free speech call is then ended.

## Making and ending calls

- ☞ Enter phone number with the number controls or select an entry from the phone book or a list.
- ☞ Pick up the handset.
- ✓ The number is dialled.

## Ending a call:

- ☞ Hang up the handset.
- ✓ The call is ended.
- A call can only be ended by hanging up the handset, if you are phoning with the handset.

## Adjusting handset volume

During the call:

- ☞ Adjust the desired volume with the thumb wheel on the edge of the handset.
- ✓ This adjustment does not affect the free speech volume.

## Switch from free speech to handset

During the call:

- ☞ Pick up the handset.
- ✓ The free speech unit is switched off.

## Switch back to the free speech

- ☞ Select and confirm "FREE SPEECH" in the command line.
- ✓ Free speech is activated again.
- Now you can hang up the handset without ending the call.

# On Star

## What is On Star?

On Star is a special service for Vauxhall drivers. With only one press on the On Star control you will get hold of the service centre, seven days a week, around the clock. In personal dialogue with your operator you will get important information and valuable aids.

On Star offers you the following service:


- Traffic information
- Route advice
- Roadside assistance
- Personal travel guide.


## Preconditions for On Star operation

To have access to the On Star service following these preconditions:

- The CCRT 2008 has to be switched on
- The SIM card has to be inserted and the PIN code has to be entered, if this is required
- No call barrings for outgoing calls have to be set. See "Call barring menu", page 40
- Show own phone number has to be enabled. See "Show call ID" page 44
- The SMS function has to be enabled\*.

## Using the On Star service

 Briefly press On Star control.


 Confirm "CALL?" in the command line,

or:


 Press On Star for longer.

- ✓ The On Star service centre is automatically called.
- ✓ The On Star service centre answers.


## Traffic information

-  Tell the operator your planned route.
- ✓ The service centre will inform you about traffic hold-ups according to your route and will recommend a detour if required.

## Route advice

-  Tell the operator your destination.
- ✓ The service centre will calculate and recommended the best possible route considering the current traffic information.

## Roadside assistance

-  Give a detailed account of your problem.
- ✓ The service centre will organise everything else for you.

## Personal travel guide

The personal travel guide service offers you interesting information, for example about cultural attractions along your route, about actual events, recommendations of hotels and restaurants, petrol stations, addressees of Vauxhall Dealerships and a lot more.

Therefore On Star has direct access to a great deal of selected information. The data base is constantly updated.

\*only in combination On Star with GPS, see page 53

## O<sup>n</sup> Star with GPS\*

### How does O<sup>n</sup> Star with GPS work?

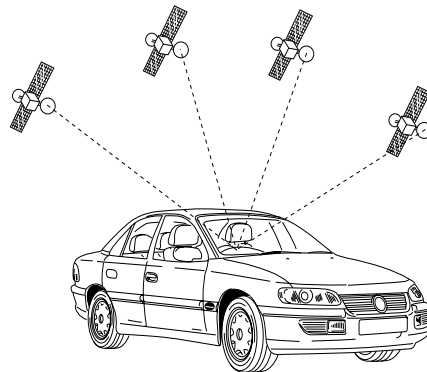
Your car permanently receives the signals of the GPS navigation satellites (GPS = Global Positioning System). The GPS receiver, which is built into the car and connected to your CCRT 2008, evaluates your current position and driving direction from the received signals.

As soon as you press the O<sup>n</sup> Star control, your telephone automatically dials the number of the O<sup>n</sup> Star service centre. During connection, your telephone number, your car identification, position and driving direction are transmitted by an SMS short message, in addition to the voice transmission.

So the service centre is informed about all relevant data as soon as connection is set up, even without a verbal request.

The O<sup>n</sup> Star service is instantly available.

During the call you can read out your geographical position from the display by a long press on the O<sup>n</sup> Star control, if required.



### What is GPS?

GPS is a satellite based navigation system. Presently, there are 27 active satellites which circle the earth in slightly less than 12 hours.

There is 20,200km between the earth and the 6 orbits. At all times, there are at least 4 satellites visible, which are necessary to calculate a three dimensional position.

From the transmitted satellite signals the GPS receiver determines the distance between the satellites and the receiver. This enables it to calculate its own position.

An 8 channel receiver is used to receive the signals from up to 8 satellites at the same time.

### Problems with positioning

Under unfavourable circumstances it may happen that not all data for the correct calculation of your position is received. The reason for this could be interference in reception, which may occur under the following circumstances:

- In between high buildings
  - In car garages, tunnels or under bridges
  - In narrow valleys of mountainous regions
  - During heavy rain or thunder storms
  - During unfavourable satellite positioning.
  - The service centre will bring these problems to your attention.
- ☞ Briefly press the O<sup>n</sup> Star control again during the call.
- ✓ The data is transmitted to the service centre once more.
  - Your current position and driving direction are transmitted everytime you press the O<sup>n</sup> Star control during the call.

### Problems with the network

Under unfavourable circumstances it may happen that your data or not all of your data is transmitted to the service centre whilst the call is connected.

The O<sup>n</sup> Star service can only be called on if the telephone is connected and logged in to a GSM network.

In case of problems see troubleshooting table on page 59 before contacting a Vauxhall Dealership.

\*Only with optional GPS box

# Extended Functions

## Special settings

### Ignition logic



Normally the CCRT 2008 is switched on and off by pressing the **OI** control on the radio.

If the CCRT 2008 is switched on, you can switch the set off and on again by removing or replacing and turning the ignition key.

The connection between radio and ignition control is set by factory default, but you can disable this connection.

- When "IGNI.LOG. Off" is displayed, you can only switch on and off the radio with the **OI** control.
- If the set is disconnected from the car battery and later reconnected, the ignition logic is enabled.
- Automatic switch-off after one hour is independent from the ignition logic. It is always enabled.

### Disabling ignition logic



- ☞ Switch on the ignition.
- ☞ Switch off the radio with the **OI** control.
- ☞ Press  control and keep it pressed.
- ☞ Switch on the radio and keep  control pressed until you hear a confirmation beep.
- ✓ The settings menu is shown.
- ☞ Select and confirm "IGNI.LOG".
- ✓ The state of the ignition logic is shown: "IGNITION LOG On" or "IGNITION LOG Off".
- If "IGNITION LOG Off" is shown, the ignition logic is already disabled.
- ☞ Select "EXIT" to abort or wait for 10 seconds.
- ☞ If "IGNITION LOG On" is shown, select and confirm "OFF" in the command line.

### Enabling ignition logic

- ☞ Select "IGNITION LOG On" in the settings menu.








### Medium wave tuning steps

To adjust the tuning grid for medium wave reception according to European (9 kHz) or American (10 kHz) standard.

- ☞ Switch on the ignition.
- ☞ Switch off the radio with the **OI** control.
- ☞ Press  control and keep it pressed.
- ☞ Switch on the radio and keep  control pressed until you hear a confirmation beep.
- ✓ The settings menu is shown on the display.
- ☞ Select and confirm "MW STEPS".
- ☞ Select and confirm the desired tuning steps.
- ✓ The selected tuning grid is stored.

## Special Audio Functions

Selecting and adjusting special audio functions:

-  Press  control.
- ✓ The audio menu is shown.
-  Select and confirm "EXTRAS...".
-  Select and confirm the desired audio function (see below).
-  Adjust the desired value.
- ✓ The selected value is automatically stored.
-  Press  control again to leave the audio menu.
- If you do not change a setting within 10 seconds the audio menu is left automatically.

### SDVC Curv. - Automatic volume control

The automatic volume control compensates surrounding noise from the car by adjusting the volume depending on the car speed.

You can select the compensation curves between 0 (off) and 5 (maximum increase).

Special audio function: SDVC CURV

Settings range: 0 to 5.

### TA VOL - TA volume

In addition to normal volume setting you can program the volume level of traffic reports.

Special audio function: TA VOL.

Settings range: -3 to +3.

### PHONE AUDIO - Playback of TUNER, TAPE or CD in telephone mode.

You can still listen to TUNER, TAPE or CD when you have selected PHONE. If you send or receive a call, sound reproduction is muted.

Special audio function: PHONE AUDIO

Setting "ON" or "OFF".

### EXT. Vol. - Volume of an external source

An external source can be connected to the CCRT 2008 (for example a navigation system, Traffic Master).

The sound of the external source is automatically reproduced by use of a remote switching signal from the external source, even if the CCRT 2008 is switched off. The display then shows "EXT. IN".

In addition to the normal volume setting you can program the volume of the external source.

Special audio function: EXT. VOL.

Settings range: -3 to +3.



# Coding

## Radio code

- The CCRT 2008 is protected by an electronic code. A coded set is worthless to a thief.
- If the CCRT 2008 is disconnected from the power supply, for example when the set is stolen or when the car battery is disconnected, it is electronically locked.
- Only you can put the radio back into operation by entering the correct code number. The code number is stated on the Car Pass or the Radio Pass.
- Keep the Car Pass or Radio Pass together with your car documents in a safe place, but never in your car.

You can disable the theft protection by decoding the set (see "Decoding/coding the radio") for example if you want to sell the radio. In this case in form the buyer of the radio about the code number.

Waiting periods after unsuccessful attempts of decoding prevent the set from being put back into operation by "trial and error".

### IMPORTANT!

- During the waiting period the radio has to remain switched on.
- ✓ The display shows "RADIO SAFE".
- After the first two attempts, the waiting time lasts approx. 10 seconds. Afterwards it is increased to 10 minutes. After the 9th unsuccessful attempt the waiting time will be 640 minutes.
- After 10 unsuccessful attempts the set is blocked. The set has to be exchanged by a Vauxhall Dealership at the owner's expense.

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 on the display.

## Neutralizing electronic lock

(for example after a break in power supply)

- ☞ Switch on the ignition.
- ✓ The display shows "Radio code:" and the number of remaining attempts, for example "- - - - (10)".
- If a wrong code number is entered, the display shows "RADIO SAFE" and the waiting period runs down.
- ☞ Enter the code number with the number controls.
- ☞ Confirm "OS" by pressing the multi-functional control.
- ✓ You hear a confirmation beep and the set is no longer muted.
- You can abort code number entry by selecting "EXIT".

### Incorrect entry?

- ☞ Briefly press **CLR**  control:
- ✓ The last entered digit is deleted.
- ☞ Press **CLR** control for longer:
- ✓ The complete entry is deleted.

## Decoding/coding radio

- ☞ Switch on the ignition.
- ☞ Switch of the CCRT 2008 with the **OI** control.
- ☞ Press and hold the **AS** control.
- ☞ Switch on the CCRT 2008, keep the **AS** control pressed until you hear a confirmation beep.
- ✓ The display shows "CODE" for approx. 3 seconds.
- ✓ Then "Radio code:" and the number of remaining attempts appear, for example "- - - - (10)".
- ☞ Enter code number (see Car Pass or Radio Pass) with the number controls.
- ☞ Confirm "OK" by pressing the multi-functional control.

## Disabling radio code

- ☞ To disable the code protection confirm "DEACTIVATE" by pressing the multi-functional control.
- ✓ Mute is cancelled.
- Now the radio is no longer protected against theft when the power supply is interrupted.

## Enabling radio code

- ☞ To enable the code protection confirm "ACTIVATE" by pressing the multi-functional code.
- ✓ Mute is cancelled.
- ✓ Now the radio is again protected against theft.

## Wrong code number confirmed

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

- ✓ The display shows "Radio safe" and waiting period runs down.
- ✓ After the waiting period is over the display shows "Radio code:" and the number of remaining attempts, for example "- - - - (9)".
- Now 9 attempts are left to enter the code.
- ☞ Enter the correct code number.

## CD changer code

In addition to the radio the CD changer is protected by a code by default. The code number is stated on the Radio Pass or Car Pass.

### Neutralizing electronic lock

(for example after a break in power supply)

When the CD changer is connected to the radio, the display shows "CD-SAFE" as soon as you select CD mode with the **CD** control.

- ☞ Switch on the ignition.
- ☞ Switch off the CCRT 2008 with the **OI** control.
- ☞ Press and hold the **CD** control.
- ☞ Switch on the CCRT 2008, keep the **CD** control pressed until you hear a confirmation beep.
- ✓ The display shows "CD-CODE" for approx. 3 seconds.
- ✓ Then "CDC code:" and the number of remaining attempts appear, for example "- - - - (10)".
- If a wrong code number is entered, the display shows "CDC SAFE" and the waiting period runs down.
- ☞ Enter CD changer code number with the number controls.
- ☞ Confirm "OK" by pressing the multi-functional control.
- You can abort code number entry by selecting "EXIT".

### Disabling CD changer code

- ☞ Switch on the ignition.
- ☞ Switch off the CCRT 2008 with the **OI** control.
- ☞ Press and hold the **CD** control.
- ☞ Switch on the CCRT 2008, keep the **CD** control pressed until you hear a confirmation beep.
- ☞ The display shows "CD-CODE" for approx. 3 seconds.
- ☞ Then "CDC code:" and the number of remaining attempts appear, for example "- - - - (10)".
- ☞ Enter CD changer code with the number controls.
- ☞ Confirm "OK" by pressing the multi-functional control.
- ✓ The display shows "CODE OFF".
- Now the CD changer is no longer protected against theft.

### Enabling CD changer code

- ☞ Proceed as described in "Disabling CD changer code".
- ☞ Enter the CD changer and confirm with "OK".
- ✓ The display shows "CODE ON".
- Now the CD changer is again protected against theft.

# Troubleshooting

If you think that your CCRT 2008 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 a Vauxhall Dealership.

End message/symptom	Possible cause / Remedy	Contact Customer Care
<b>General</b>		
Radio does not switch on, neither with OI control nor with ignition key.	Radio or vehicle fuse blown.	✓
Display reading: PANEL	The removable panel was removed. ☞ Insert panel until it clicks into place on either side.	
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.	
<b>CD changer</b>		
Display reading "ER-CDC" and set switches back to TUNER, TAPE or Telephone.	After loading of a CD: A disc is caught in the CD mechanism.	✓
	During CD playback: The changer unit is too hot. ☞ Let the CD changer cool down to recover normal function.	✓
	Always after switching to CD playback: Internal controller error.	✓
	After changing a disc: A disc cannot be moved back to the magazine.	✓
	After pressing the eject control on the CD changer: The magazine cannot be ejected.	✓
Display reading "ER-123_56" and set switches back to TUNER, TAPE or Telephone.	After loading of a CD: None of the discs can be read. No disc is inserted in slot no.4 in the magazine. ☞ Check that the discs are inserted with the correct side up. This error message is also shown when discs are scratched or dirty.	
Display reading "ER-CD 2"	Disc no.2 cannot be read. ☞ Check that the disc is inserted with the correct side up.	
	Disc no.2 cannot be read. 1. The CD changer does not read CD-RWs (rewritable discs). 2. Read errors may occur when using CD-Rs (recordable discs). ☞ Use standard pre-recorded audio CDs.	
Display reading "CDC OPEN"	☞ Close the CD changer front.	

Telephone		Contact Customer Care
Display reading: Insert SIM card	No SIM card is inserted in the card reader or SIM card inserted with the wrong side up. ☞ Insert SIM card into the card reader with the golden contact area facing up in direction of the arrow until it clicks in.	
Display reading: Please wait	Data is read from the SIM card.	
Display reading: No network	1. The car is located in an area where no reception of a network is possible. ☞ Drive to a location where radio contact to a GSM network is ensured. 2. Option [MAN. SEL.] in the [NETWORK] menu is set and the wrong network operator is selected. ☞ Select option [AUTO SEL.] or [MAN. AUTO].	
Display reading: Request not successful	A network request was not successful: 1. You have no contact to a GSM network. ☞ Drive to a location where radio contact to a GSM network is ensured and try to carry out the function again. 2. You are not authorized by the network operator or service provider to carry out this function. ☞ Request an authorization for this function from your network operator or service provider. 3. Call barring option [EXCPT PIN2] is set. ☞ Deactivate call barring [EXPT PIN2].	
Display reading: dial number barred	Call barring option [EXCPT PIN2] is set. ☞ Deactivate call barring [EXPT PIN2].	
Display reading: SIM full	The memory of your SIM card is full. ☞ Delete one or more entries from the phone book.	
Phone rings, but then nothing is heard in hands free mode.	Automatic answer option is enabled and external handset is not hooked up in its holder while the call was received. ☞ If you do not use the telephone always put the external handset into its holder. ☞ If necessary disable automatic answer option.	
Wrong menu language on the display.	☞ Select desired menu language by selecting option [LANGUAGE] in the [SETTINGS][CONF. SET] menu.	
There is an unreadable language on the display. What can I do?	Reset the CCRT 2008 to it's factory defaults, including display language to ENGLISH: ☞ Switch off set with the <b>OI</b> control. ☞ Press and hold <b>CLR</b> key and switch set on again with the <b>OI</b> control.	

## General Information

**In case of fault 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 a wet-cleaning cassette if playback quality deteriorates.

### Handling Compact Discs

Avoid making fingerprints on the disc when you take it out of the magazine. Put the disc back in its box immediately after taking it out of the magazine, to protect the disc from damage and dust.

Do not expose the disc to heat or direct sunlight.

### Break in power supply

When replacing the car battery all user specific settings (for example phone book entries, station memory, etc.) remain stored.

The set and the CD changer (optional) are locked electronically by the theft protection system after the power supply has been removed. Unlock by entering the Code number (see page 56).

If you have lost one of the Code numbers, please consult a Vauxhall Dealership. Getting the set back into operation is possible only on payment and after showing proof of ownership.

## Explanations

### GSM

(Global System for Mobile communications.)

GSM is a world wide standard for mobile communication the telephone of your CCRT 2008 works with.

The GSM network gives you the following advantages compared with other telephone standards:

- The voice transmission is digital. This ensures high quality of transmission and is nearly bug-proof
- The network identifies you by your SIM card. This means that you can use your SIM card in other mobile phones without abandoning your phone book
- Other persons can use your CCRT 2008 with their SIM card without arising charges for you
- You can use your CCRT 2008 in many countries.

### Home network

The network of your operator or service provider you purchased the SIM card for.



**Local network**

The network you are currently logged in. This can be your home network or any other GSM network.

**Network code**

The network code is a password which is required to perform different functions controlled by your network operator or service provider (for example diverting and barring calls).

You can request the network code from your network operator or service provider.

**PIN**

Personal Identification Number. The password of your SIM card (a number of 4 to 8 digits).

You receive the PIN together with your SIM card from your network operator service provider.

**PIN2**

A second PIN code which is stored on your SIM card. The PIN2 is required to perform different special functions.

You can request the PIN2 code from your network operator or service provider.

**PUK**

Phone Unlocking Control. The password you need to unlock your SIM card. (The SIM card is locked, if you entered a wrong PIN code three times in a row.)

**PUK2**

The same as the PUK, but to unlock the PIN2.

**Roaming**

When you are using your CCRT 2008 in a network other than your home network.

**SIM card**

Subscriber Identification Module. You need this card if you want to use the telephone functions of your CCRT 2008.

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