VDO dayton

CD 2203 CD 2253
CD 2703 CD 2803

User manual

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Käyttöohje

www.vdodayton.com

Car Multimedia Systems.

VDO dayton

VDO Dayton The Car Brand

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SAM (Software Access Mode)

```
SAM
├── TAVOL 1      TAVOL 2      TAVOL 3    ········    TAVOL 31
├── START 1      START 2      START 3    ········    START 31
├── MUTE 0       MUTE 1       MUTE 2     ········    MUTE 5
├── NAV OFF*     NAV LOW*     NAV HIGH*
├── BEEP OFF     BEEP 1       BEEP 2     ········    BEEP 5
├── SDVC OFF*    SDVC 1*      SDVC 2*    SDVC 3*     SDVC 4*
├── TEL OFF      MUTE HI      MUTE LO    HFREE LO    HFREE HI
├── CLK ON       CLK OFF
├── RDSCLOCK     MANCLOCK
├── CLOCKSET
├── 12HCLOCK     24HCLOCK
├── BRIGHT 1     BRIGHT 2     BRIGHT 3   ········    BRIGHT 6
├── ANGLE -1     ANGLE 0      ANGLE +1
├── GRAPHOFF*    GRAPH 1*     GRAPH 2*
├── LOGICON      LOGICOFF
├── LED ON       LED OFF
├── EUROPE       AMERICA      ASIA
├── AF ON        AF OFF
├── MANUTUNE     AUTOTUNE
├── REG ON       REG AUTO     REG OFF    RDS OFF
├── FM SCAN      PRE SCAN
├── SCANTIME     5 SEC        10 SEC     20 SEC
├── MWLW ON      MWLW OFF
├── LOCAL        DISTANT
├── CHANGER*     AUX IN*
└── NEWS ON*     NEWS OFF*
```

* Depending on version

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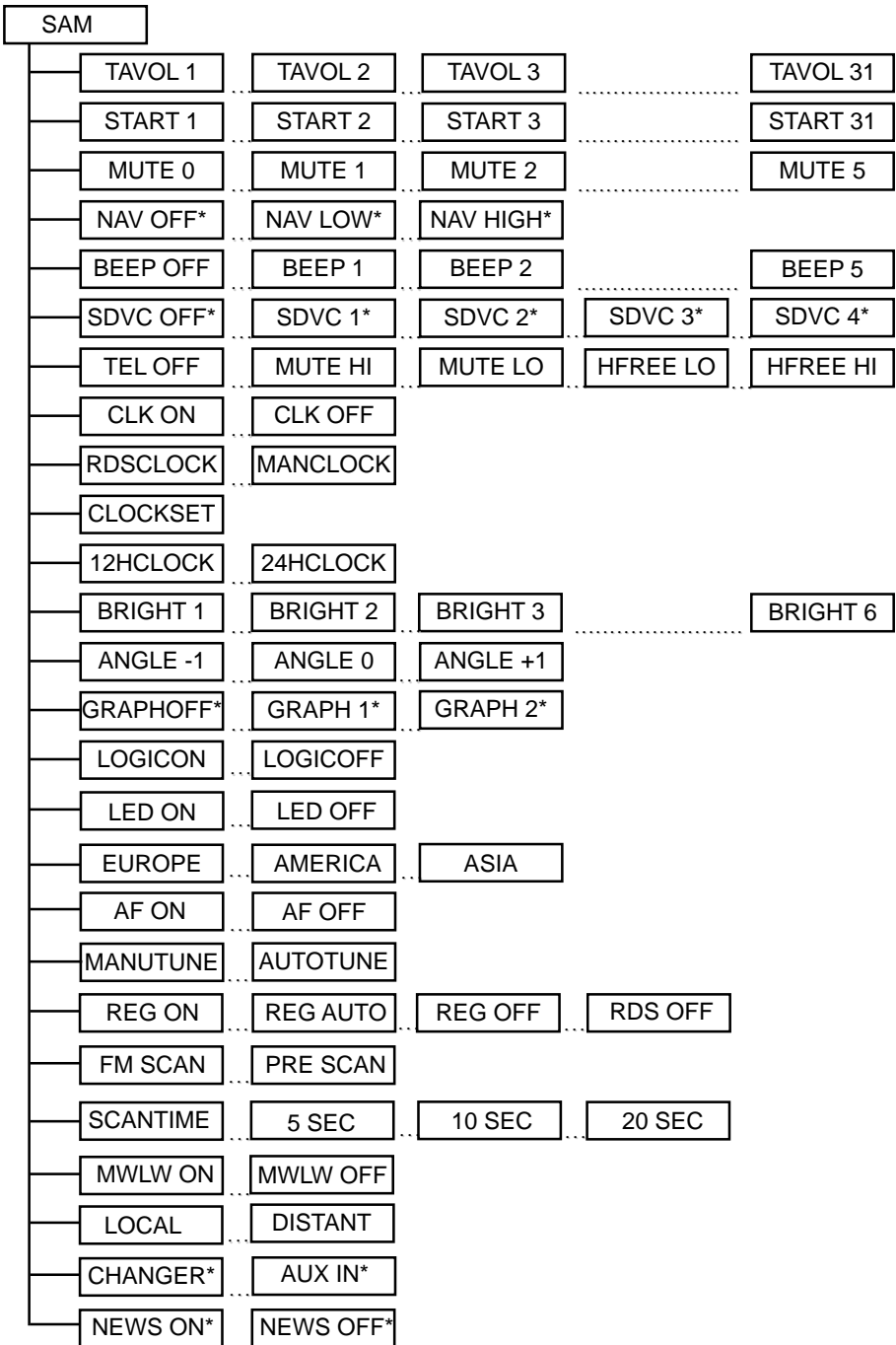
BEFORE YOU START....

Thank you for purchasing this VDO Dayton product which has been designed and manufactured to the highest standards and subjected to rigorous testing.
Kindly familiarise yourself with the product by reading this user manual. Keep this manual handy in your car for future reference.

This manual covers the following models:
CD 2203, CD 2253, CD 2703, CD 2803.

The main differences between them are as follows:

MP3 playback - only CD 2703, CD 2803.
Navigation mute - only CD 2703, CD 2803.
Speed Dependant Volume Control (SDVC) - only CD 2253, CD 2703, CD 2803.
IR Remote Control included - only CD 2803.
3D surround sound - only CD 2803.
2 channel Pre-out - only CD 2203, CD 2253,
4 channel Pre-out - only CD 2703, CD 2803.
News Function - only CD 2703, CD 2803.
Separate Source equalization - only
CD 2703, CD 2803.
CD Changer control or Auxiliary - only CD 2203, CD 2253, CD 2803.
Graph - only CD 2803.

Note : We reserve the right to make changes and improvements to any of the products described in this guide without prior notice.

ENVIRONMENT

This booklet is printed on low-chlorine recyclable paper.

IMPORTANT

This device has been designed and produced according to applicable Safety Regulations. Please read carefully the instruction manual and use the device as intended.

PREVENTIVE MAINTENANCE

Cleaning the connectors
To ensure good connection between the set and the detachable front, it is advisable to clean the connectors with a cotton swab slightly moistened with cleaning fluid or alcohol periodically.

* Depending on version

** For this accessory, see your dealer

CONTENTS PAGE

INSTALLATION

If your car is equipped with ISO connectors, simply insert them in the connectors of the car radio. If not, you can use an adaptor cable (Refer to the table on the separate installation manual). Ensure all cables are installed so that they cannot be damaged by sharp edges or moving parts.

PREPARATION

Voltage and polarity: The set must be connected to a 12V car battery with negative terminal to earth (car chassis). Installation in vehicles not fulfilling these requirements could result in malfunction, damage or fire.

⚠️ **Warning:** To prevent short-circuiting, disconnect the negative car battery terminal until the set has been mounted and connected (fig. 1 See separate installation card).

CONNECTOR A** (fig. 2)
Power supply connections
- **Red wire A7 :** Connect to a permanent 12V supply. This is the main power supply. Ensure this connection can handle a current of 10A.
- **Yellow/red wire A4 :** Connect to a switched 12V supply (switched on/off by car ignition).
- **Brown wire A8:** Connect to earth (car chassis).

Optional connections (fig. 2)
- **SDVC (Speed Dependent Volume Control)***: SDVC automatically increases and decreases the volume as a result of the car's speed.
- Connect pin A1 to a signal from the speedometer of your car. Some cars are already prepared for it (e.g. certain VW & Vauxhall/Opel cars), please consult your dealer.
  If not, you may need a more detailed installation requiring extra equipment to enable your car to become compatible.

Complies with 21 CFR 1040.10

⚠ **This can only be accomplished by persons familiar with automotive electrical and mechanical systems**.
After Connection, see "SPECIAL FUNCTIONS' (page 13) for calibration procedure.

• **Electronic antenna/Motorised antenna** 📶 **:**
Connect pin A5 to the power supply for an electronic antenna or the control wire for the relay of an automatic motorised antenna. Use the small connector supplied.
⚠ Do not use this connection for the supply lead of the aerial motor!

• **Pilot light** ☼ **:**
When the car headlights are switched on, the backlight to the power key remains illuminated (even when the radio is switched off).
Connect pin A6 to the dashboard illumination wiring of the car. Use the small connector provided.
Note : In certain car (e.g. VW Passat) the dashboard illumination is dimmed by a digitally modulated signal (PWM - Pulse Width Modulation). This PWM signal can disturb the illumination display of the car radio. In this case, connect pin A6 to the switch signal of the low beam headlight. Please consult your car dealers for more information.

CONNECTOR B** (fig. 3)
Loudspeakers (use 4 ohm loudspeakers only)
• Do not connect any of the loudspeaker leads to earth or directly to a booster/amplifier without high level input or via an external fader! You can connect the loudspeaker leads directly to an amplifier with high level input.
• **Connecting 4 loudspeakers:**

	Front	Rear
Left+	Green [B5]	White [B7]
Left-	Green/black [B6]	White/black [B8]
Right+	Grey [B3]	Blue [B1]
Right-	Grey/black [B4]	Blue/black [B2]

CONNECTOR C¹
Yellow Connector C1 for Pre-out* (fig. 4)
• Connect a power amplifier (with 2 or 4* additional loudspeaker) to this set with the RCA cable.
– Connect Red socket to Right channel and white socket to Left channel.
– Connect Blue wire to Amplifier Remote on/off.

* Depending on version

** For this accessory, see your dealer

Green connector C2 (fig. 5)
Steering wheel remote control
You can connect certain car steering wheel mounted remote control to this set via an interface. Please consult your dealer for the correct interface.

Pink wire (Telephone mute) ✏🔇
• If your car telephone or the car kit of your mobile phone provides a mute signal, it can be used to automatically interrupt the set's sound output.
– Connect the telephone mute wire to the Pink lead wire.
– See 'SAM' (page 14); select
option 'TEL' and set 'MUTE LO' or 'MUTE HI' (according to phone type) to automatically interrupt the set's sound output when using your car phone.

Green wire (Navigation mute)* 📷🔇
• If your car navigation computer provides a mute signal, it can be used to automatically interrupt the set's sound output during voice guidance.
– Connect the Navigation mute wire to the Green lead wire.
– See 'SAM' (page 14); select
option 'NAV' and set 'LOW' or 'HIGH' according to the navigation computer's mute signal.

Blue connector C3 for our analogue CD changer* or an Auxiliary equipment*. (available separately)
• You can connect our analogue CD changer to this set (fig. 6)
– Select option 'CHANGER' in 'SAM' (page 14).
• You can connect the audio output of auxiliary equipment e.g. in-car video system (instead of a CD Changer) to this set (fig. 7) using a separate accessory cable.
– Select option 'AUX IN' in 'SAM' (page 14).

OTHERS CONNECTIONS
Telephone in (fig. 8) ✏
• You can connect our hands-free phone kit (available separately) via the connector D. See mounting and connecting instructions for the hands-free kit.
– Select option 'HFREE' and set 'HFREE LO' or 'HFREE HI' (according to phone type) in 'SAM' (page 14) to automatically interrupt the set's sound output when receiving or making a phone call.

Infrared remote control

You can use a VDO Dayton infrared remote control with this set. Please consult your dealer for the correct infrared remote control.

MOUNTING

METAL SLEEVE (fig. 10)

- Install the metal sleeve (dimension 182x53 mm) in the dashboard. For optimal performance of the CD player, the metal sleeve should be positioned horizontally (between -10° and +30°).
- Fix metal sleeve into place by pressing the metal tags outwards using a screwdriver.

CONNECTING THE RADIO (fig. 9)

- Ensure the battery is disconnected.
- Insert aerial plug E into aerial socket (good reception is only possible with a good aerial). Fix antenna adaptor if needed. Use hook (J) on back of set to secure fixing.
- Insert power supply connector A into socket A'.
- Insert loudspeaker connector B into socket B'.
- (optional) Remove the protective cover from socket C'.
- (optional) Insert the yellow line-out connector C1 into socket C1'.
- (optional) Insert the blue CD changer connector C3 into socket C3'.
- (optional) Insert the green connector C2 into socket C2'.
  The green connector slides between the yellow connector C1 and the blue connector C3.
  You need at least one of these connections to keep C2 in place.

MOUNTING RADIO

This radio can be properly installed either from conventional Front Mounting or Rear Mounting.

FRONT MOUNTING

- Slide the radio into the metal sleeve until the springs at either side of the radio snap into the openings of the sleeve (fig. 11).
- Finally reconnect the negative car battery terminal (fig. 12).

REMOVING RADIO (using the two U- brackets supplied)

- Remove the trimplate around the front panel.
- Insert both U-brackets into the holes on the front of the set until they lock. Pull out the radio (fig. 13).

REAR MOUNTING (fig. 14)

- Remove the trimplate around the front panel and the side springs.
- Select a position where the screw holes of the mounting bracket and the screw holes of the radio become aligned and tighten the screws at 2 places on each side.
- Only use M5 screws that are not longer than 6mm.

REPLACING FUSE (fig. 9)

- Replace with a 10A blade-type fuse. The new fuse must be of exactly this value and type otherwise the set will not be adequately protected. Ignoring this procedure may lead to damage to the set, which will invalidate the guarantee.

INTERFERENCE SUPPRESSION

- Most modern cars have sufficient interference suppression. If you experience interference generated by the car, consult your garage.

* Depending on version

FRONT PANEL PRESENTATION

For illustration, see page 3, figure A.

1 PWR⏻ .... Short press: Switch on; mute/demute (when set is on)
                        Long press: Switch off

2 REL .... Flip down the detachable panel

3 SOURCE .... Desired sound source

4 ✚ / SELECT✚ ...... Volume up / Audio mode

5 ▬ / SELECT▬ .... Volume down / Audio mode

6 SOUND .... Sound mode*
   SOUND/3D ..... Short press: Sound mode,
                        Long press: 3D sound* (only applicable for CD, CD changer* and MP3* mode)

7 TA .... Traffic announcement

8 BAND .... Waveband

9 1 RND 2 .... Short press:Random playback on/off (CD or CD changer*)
                        Short press: Toggle between Preset 1 & 2 (Tuner)
                        Long press: Enter Preset store mode (Tuner)

10 3 RPT 4 .... Short press: Repeat track on/off (CD or CD changer*)
                        Short press: Toggle between Preset 3 & 4 (Tuner)
                        Long press: Enter Preset store mode (Tuner)

11 5 SCN 6 .... Short press: Track scan on/off (CD or CD changer*)
                        Short press: Toggle between Preset 5 & 6 (Tuner)
                        Long press: Enter Preset store mode (Tuner)

12 AST .... Autostore

13 F•SCN DISP .... Short press:Display mode
                        Long press:Frequency scan or Preset scan (Tuner)

14 ◄ / ► .... Search lower/higher frequency (tuner); Next/previous track (CD, CD Changer*
                        and MP3*)

15 ▲ / ▼ .... Preset up/down (tuner); Next/previous disc (CD Changer*); Next/previous album
                        (MP3*)

16 SAM .... Software Access Mode

17 BASS✚ .... Bass Boost

* Depending on version

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SECURITY

For theft protection this set is provided with the following security features :

DETACHABLE FRONT
Take the detachable front with you when leaving the car. Keep it in its protective box.
Always replace the detachable front before starting to drive.

Removing the front (See page 3, figure B)
- Press REL to flip down the detachable front.
- Pull at the left hand corner of the detachable front to remove the front.

Replacing the front (See page 3, figure C)
- Insert the detachable front starting with the right-hand side of the set.
- Push the detachable front until it clicks into position.

LOCKING THE DETACHABLE FRONT (See page 3, figure E)
The detachable front can be locked by a D2 x10 screw.
- Remove the trimplate
- Flip down the detachable front.
- Insert a D2 x10 screw (inside the accessories bag) in position ① .

SECURITY LIGHT
- The LED flashes when the detachable front is removed when the ignition is off. You can switch off the flashing warning light. See 'SAM' (page 14), option 'LED' .

IDENTIFICATION NUMBER
This set has a unique identification number (stated on the 'Security card'). This card is required as a proof of ownership when the set is stolen, when the detachable front is lost or when requesting service.
- Remove the 'Security card' before installing the set. Do not keep the 'Security Card' in your car.

AUDIO

ON/OFF
- Press PWR① to switch on the set. Press PWR① for more than 2 seconds to switch off the set.

VOLUME
Please make sure you can still hear the traffic (horns, sirens........)
- Press +/− to adjust the volume. The volume automatically increases or decreases if the SDVC connection has been installed and selected (See INSTALLATION, page 5).
  Note : You can adjust the start-up volume. When the start-up volume is set to maximum level, it may be extremly loud when you switch on the set. See 'SAM' (page 14), option 'START'.

MUTE
- Press PWR① to mute/demute the sound when the set is switched on.
  Note : You can adjust the mute level.The volume may be louder during mute when the mute level is higher (e.g. 16) than the current volume (e.g. 5). See 'SAM' (page 14), option 'MUTE'.

3D SURROUND SOUND* (only applicable for CD, CD Changer* and MP3*)
- Press SOUND•3D* for more than 2 seconds to activate/deactivate 3D surround sound.

AUDIO MODE SETTING
- Press SOUND•3D* or SOUND to select desired audio mode.
- Press SELECT+ or SELECT− to adjust the selected audio mode.
  – BASS : Bass (-7...+7)
  – TRE : Treble (-7...+7)
  – BAL : Balance (-7...+7)
  – FAD : Fader (-7...+7)
 – Sound Style (BASS-TRE, ORIGINAL, JAZZ, VOCAL, POP, CLASSIC, ROCK)
  After 5 seconds the display goes back to the last mode of operation.
  Adjustment of Bass and Treble setting is only possible when BASS-TRE is selected as the sound style.
  Sound style are set for each source* (Radio, CD/MP3* and CD Changer*).

BASS BOOST SYSTEMS
- Press BASS+ to select desired bass boost (not applicable when ORIGINAL is selected as the sound style).

```
  ┌→BBOOST0→BBOOST1─┐
  └─BBOOST3◄─BBOOST2◄─┘
```
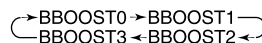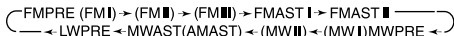
* Depending on version

SOURCE

- Press SOURCE to select the desired source :
  - TUNER
  - CD/MP3*
  - CD CHANGER* (if connected) or AUX IN*
  - HFREE (if connected) and if option is selected in 'SAM' and a call is active.

RADIO

WAVEBAND

- Press **BAND** to select the desired waveband:

FMPRE (FM **I**) → (FM **II**) → (FM **III**) → FMAST **I** → FMAST **II**
LWPRE ← MWAST(AMAST) ← (MW **II**) ← (MW **I**)MWPRE ←

Note : You can suppress MW/LW (AM) bands if not required. See 'SAM' (page 14), Option 'MW/LW (AM)'.

AUTOMATIC SEARCH

Use search tuning to automatically search for a station.

- Press ◄ to tune to a station of a lower frequency or ► to a higher frequency.
- You will receive a station after a short time. To search for another station, press the key again. Note : You can select the search sensitivity for FM. See 'SAM' (page 14), option 'LO/DX'.

Frequency scan / Preset scan (see 'SAM' page 14 option 'F.SCAN')

Frequency scan allows you to listen to each located station on the current waveband while Preset scan allows you to listen to each stored preset station on the current waveband.

- Press F•SCN DISP for more than 2 seconds to activate/deactivate Frequency scan or Preset scan.
- Press ◄ or ► to start the scanning.
  Note : You can select how many seconds each station is scanned, see 'SAM' (page 14); option 'SCANTIME'.

Manual tuning (if you know the frequency of the required station)

- To switch to manual tuning :
  See 'SAM' (page 14), option 'TUNING'; set value to 'MANUTUNE'. The radio remains in manual tuning mode until you change this setting back to 'AUTOTUNE'.
- Press ◄ to tune to a station of a lower frequency or ► to a higher frequency.

PRESELECTED STATIONS

Manually storing stations in a preset

You can manually store 18 FM stations, 12 MW stations and 6 LW stations.

- Press **BAND** to select desired waveband.
- Tune in to the desired station.
- Press 1 RND 2 or 3 RPT 4 or 5 SCN 6 for more than 2 seconds to enter preset store mode.
- To select preset number 1 or 2:
  – Press 1 RND 2 to toggle between preset 1 or preset 2.The display shows the selected preset number e.g. Pr 01.
- To select preset number 3 or 4:
  – Press 3 RPT 4 to toggle between preset 3 or preset 4.The display shows the selected preset number e.g. Pr 03.
- To select preset number 5 or 6:
  – Press 5 SCN 6 to toggle between preset 5 or preset 6.The display shows the selected preset number e.g. Pr 05.
- Press 1 RND 2 or 3 RPT 4 or 5 SCN 6 for more than two seconds to store the station on the selected preset number.
  When storing an FM station, the relevant RDS information and AF mode (on/off) are also stored on the preset.

Recalling a preset

- Press 1 RND 2 to toggle between Preset 1 or Preset 2.
- Press 3 RPT 4 to toggle between Preset 3 or Preset 4.
- Press 5 SCN 6 to toggle between Preset 5 or Preset 6.

Automatically storing stations (AUTO-STORE)

This function automatically stores 12 strongest FM stations in the FMAST band or 6 strongest MW(AM) stations in the MW(AM)AST band. When you use Auto Store, the new stations replace any stations previously stored in the FMAST band or the MW(AM)AST band.

- Press **AST** to activate autostore.
- The set gives a beep and then mutes.
- When it has finished, you hear a beep followed by the station stored on preset 1.
- Sometimes it may not be possible to find 12 stations.

Switching the display mode (RDS station)

- Press F•SCN DISP once or repeatedly to switch the display between station name, Band and preset number, frequency followed by PTY and sound style.

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* Depending on version

Switching the display mode (non RDS station)
- Press **F·SCN** **DISP** once or repeatedly to switch the display between frequency, Band and preset number and sound style.

RADIO DATA SYSTEM (RDS) ON FM

Many FM stations broadcast RDS information. This set uses the RDS information to offer you many advantages including :

DISPLAY OF STATION NAME
The set displays the name of the station instead of its frequency.

AUTOMATIC RETUNING
The set remains tuned to the current station by continually searching for the best possible alternative frequency for reception.
Note : You can switch off AF when not required, see 'SAM' (page 14); option 'AF'.

ALARM MESSAGES (PTY ALARM)
This set automatically receives emergency messages made by the broadcaster.
– During the messages the display shows 'ALARM' and the station-name alternately.

TRAFFIC ANNOUNCEMENTS (TA)
You can activate the TA and/or NEWS* modes to give priority so as to hear announcements related to these subjects, (even if you play a CD/MP3* or mute the set).

Activate/deactivate TA
- Press **BAND** to select an FM waveband :
- Press **TA** to activate/deactivate TA.

Activate/deactivate NEWS*
- Press **BAND** to select an FM waveband :
- See 'SAM' (page 14), select option 'NEWS' and set the value to 'ON'.

If you activate TA/NEWS mode :
- You will hear the Traffic/NEWS* Announcements when broadcast.
- If the tuned station does not enable the reception of Traffic Announcements, the display shows 'NO TA'. The radio automatically searches an appropriate station.
  News announcements may be interrupted by Traffic Announcements (if the TA mode is switched on).

Interrupting Traffic Announcement/News mode
If you do not wish to continue listening to a particular Traffic Announcement or News mode, you can interrupt it without switching off the mode.
- Press **TA** to interrupt TA/NEWS :
– The set will return to the previous operating mode.

Note:
You can switch off RDS features if not required.
- See 'SAM' (page 14), option 'REG/RDS'.
– All above RDS related features e.g. TA, NEWS* etc... will be deactivated when option 'RDS' is set to 'OFF'.

* Depending on version

CD, MP3 PLAYER* AND CDC*

CD PLAYBACK (CD PLAYER) (See page 3, figure D)
This CD player is suitable for 12cm disc, do not use irregular shaped CD.
• Press **REL** to flip down the front.
• Slide the disc into the slot with the label facing upwards.
• Close the front.
  Playback starts.
• If a disc is already inserted :
  Press **SOURCE** to select CD as the source.
  Playback starts.

MP3 FILES* PLAYBACK (CD PLAYER)
You are able to listen to MP3 files that conform to MPEG1 – Layer 3 file-coding scheme burned on a CD-R or CD-RW disc in ISO9660 format.

Changing Album in MP3*
• Press ▲ or ▼ to select the desired album.
– Playback begin on the first file in the chosen directory.
  When the end of album is reached, the playing function continues with the first track of the next album.

Notes on MP3
– The unit cannot read an MP3 file that has a file extension other than ".MP3".
– The unit can play up to maximum 300 tracks and support maximum 50 directories per disc.
– The unit may not play the first tracks in the order of track number or in the order that you wrote them to the disc.
– The unit plays only the first session if the disc contains both CD audio tracks and MP3 files.
– When playing a disc of 8k bps or Variable Bit Rate (VBR), the elapsed playing time in the display window may not be correct.
– To display up to 30 characters for a track name or artist's name, ID3TAG version 1.1 is required. Characters other than uppercase/lowercase letters ("Aa to Zz") and underscore ("_") may not be displayed.
– To enjoy high quality sound, we recommended converting to MP3 files with a sampling frequency of 44.1kHz and a fixed bit rate of 128kbs.
– Make sure that a CD-R/CD-RW is formatted as a data disc and NOT as an audio disc.
– MP3 files are not compatible with packet write data transfer.

Playing a CD-R or CD-RW
Depending on the type of CD-R/CD-RW CD, surface condition of the disc, as well as the performance and condition of the CD writer, certain CD-R/CD-RW CD may not operate normally on this unit.

Playing a "copy protected" non-conforming audio CD
Due to use of copy protection schemes of some audio CDs which are non conformance to international audio CDs standards (Red Book), these type of copy protected disc(s) may not play on this unit.

CD PLAYBACK (CD CHANGER* IF CONNECTED)
• You can only connect an analogue compatible CD changer to this set (see mounting instructions for the CD changer).
• Check that the magazine is loaded with discs and inserted in the CD changer:
• Press **SOURCE** to select CD changer as the source:
• Press ▲ or ▼ to select the desired disc.
– At the end of the disc, playback automatically continues with the next disc. Any missing disc is automatically skipped.

PREVIOUS/ NEXT TRACK
• Press ◄ or ► to select the desired track.
– Playback resumes with the chosen track.

FAST BACKWARD / FORWARD
• Press and hold ◄ or ► to quickly move backward or forward through the disc .
– Normal playback resumes when you release the key.

SCAN TRACK
The scan function enables you to listen to the first few seconds of each track.
• Press **SCN** to activate/deactivate Scan track.
• Press ◄ or ► to start the scanning.
  Note : You can select how many seconds each track is scanned, see 'SAM' (page 14); option 'SCANTIME'.

RANDOM TRACK PLAYBACK
• Press **RND** to activate/deactivate Random track playback.

REPEAT TRACK
To continually repeat the current track.
• Press **RPT** to activate/deactivate Repeat current track.

* Depending on version

DISC EJECT (CD PLAYER) (See page 3, figure E)
• Flip down the front and press **EJECT** to remove the CD from the player.

SWITCHING THE DISPLAY MODE (CD)
• Press **F•SCN DISP** once or repeatedly to switch the display between track number/elapsed play time, total track time, background station name or frequency and sound style.

SWITCHING THE DISPLAY MODE (CD CHANGER)
• Press **F•SCN DISP** once or repeatedly to switch the display between track number/elapsed play time, disc number/total track time, background station name or frequency and sound style.

SPECIAL FUNCTIONS

Setting the clock (manually)
• See 'SAM' (page 14), option 'CLOCKSET' .

Note :
You can select 12 hour or 24 hour clock display.
• See 'SAM' (page 14), option 'CLOCK' .

RDS clock (auto update)
You can select an automatic update of the clock via the RDS radio signal.
• See 'SAM' (page 14), option 'CLOCK' .
– The transmitted time via RDS can be incorrect.

SDVC (Speed Dependent Volume Control)*
See 'INSTALLATION' (page 5) for connection instructions.
To compensate for surrounding noise, this function automatically increases the volume of the set with respect to the car's speed. Four compensation levels can be selected. Level 1 gives a small increase while level 4 gives a greater increase. See 'SAM' (page 14) option 'SDVC' to select the level until you find one which suits your car.

To calibrate :
To avoid unnecessary distraction we advise that this procedure is carried out with the help of somebody else.
1 While stationary, hold down the 'SAM' key and a short press on the 'PWR' key to switch on the set.
2 The set mutes.
Display shows 'RECALIB' and
'50KM/H' (30 MPH) alternately.

3 Now drive to 50KM/H (30 MPH).
Always obey the highway code and current traffic restrictions and conditions!)
4 Once 50KM/H (30 MPH) is reached, press ◄ or ► key.
You hear a beep and display shows 'CALIB OK'.
5 Now turn the set off and then on again to return to normal operation. Level 2 is chosen for SDVC in 'SAM'.

* Depending on version

SAM (Software Access Mode)

It is possible to modify many of the set's default settings according to your preferences via 'SAM'.

• Press SAM to enter the 'SAM' menu.

• Press ▲ or ▼ to select one of the options in the menu you want to modify.

• Press ◄ or ► to select the value/setting.

• Press SAM to exit the 'SAM' menu.

The set automatically leaves this mode after 30 seconds if no key presses are made.

Option (▲ or ▼)	Value/Setting (◄ or ►)	Usage
TAVOL	[1 to 31]	Select volume level of Traffic Announcement, News bulletins and Alarm messages.
START	[1 to 31]	– Select the start-up volume when power on.
		– After modification of the start-up volume, if the set is switched off and on within 10 minutes, the start-up volume reverts to the last used volume setting.
		– After modification of the start-up volume, if the set is switched off and on after more than 10 minutes later, the start-up volume is the level defined in 'SAM'.
MUTE	[0 to 5]	Select the mute level.
NAV*	[OFF, LOW, HIGH]	– Select 'OFF' if no navigation computer is connected to the set.
		– Select 'LOW' or 'HIGH' according to the navigation computer's mute signal.
BEEP	[0FF, 1, 2, 3, 4, 5]	Select volume level of confirmation beeps.
SDVC *	[OFF, 1, 2, 3, 4]	Select the SDVC (Speed Dependent Volume Control) compensation volume level (only when connected and calibrated, see 'SDVC' in 'INSTALLATION' (page 5) and 'SPECIAL FUNCTIONS' (page 13)). Level 1 gives a smaller increase while level 4 gives gives a greater increase with respect to the car's speed.
TEL/ HFREE	[TEL OFF, MUTE HI, MUTE LO, HFREE LO HFREE HI]	– Select 'TEL OFF' if no car phone is connected to the set.
		– Select 'MUTE LO' or 'MUTE HI' (according to phone type) to automatically interrupt the set's sound output when using your car phone.
		– Select 'HFREE LO' or 'HFREE HI' (according to phone type) if your phone provides a loudspeaker connection.
CLK	[ON, OFF]	Select 'ON' to activate CLOCK feature.
CLOCK	[RDSCLOCK, MANCLOCK]	Select 'RDSCLOCK' to activate RDS clock or "MANCLOCK' to set clock manually.
	[CLOCKSET]	If 'MANCLOCK' selected; set the time. ◄ to adjust the hour digit, ► to adjust the minute digit.
	[12HCLOCK, 24HCLOCK]	Select desired clock format.

* Depending on version

Option	Value/Setting	Usage
(▲ or ▼)	(◄ or ►)	
BRIGHT*	[1, 2, 3, 4, 5, 6]	Select the level of display and button brightness (only when car headlights are switched on and connected to pin A6, see 'INSTALLATION' (page 5)).
ANGLE	[-1, 0, +1]	Select the viewing angle of the set's display.
GRAPH*	[OFF, 1, 2]	Activate/deactivate the bar graph.
LOGIC	[ON, OFF]	Select 'ON' to limit the use of the set to one hour when the car ignition is switched off. Select 'OFF' to prevent the set from turning on when the car ignition is switched off. (Only when A7 and A4 are connected correctly, see page 5 for correct connection of power supply).
LED	[ON, OFF]	Select 'OFF' to switch off the flashing warning light when the detachable panel is removed with ignition off.
RADIO	[EUROPE, AMERICA, ASIA]	Select the tuner according to European, American or Asia standards.
AF	[ON, OFF]	Select 'OFF' to prevent the radio from returning to Alternative Frequencies.
TUNING	[MANUTUNE, AUTOTUNE]	Select auto or manual tuning for tuner.
REG/RDS	[REG ON, REG AUTO, REG OFF, RDS OFF]	– Select 'REG ON' to maintain regional programme, – Select 'REG AUTO' to switch programme when the next signal is stronger, – Select 'REG OFF' to directly switch to the programme of the next region. – Select 'RDS OFF' to switch off RDS feature.
SCAN	[PRE SCAN, FM(MW)(LW) SCAN]	– Select 'PRE SCAN' to enable Preset SCAN or FM (MW) (LW) scan to enable Frequency scan.
SCANTIME	[5 SEC, 10 SEC, 20 SEC]	Select the scan time (station or track).
MWLW (AM)	[ON, OFF]	Select 'OFF' to suppress MW/LW (AM) when not required.
LO/DX	[LOCAL, DISTANT]	Select 'LOCAL' if you wish to search only for strong stations during search tuning.
SOURCE	[CHANGER*, AUX IN*]	Select 'SOURCE' connected to connector C3 (CD Changer or Auxiliary Equipment).
NEWS*	[ON, OFF]	Activate/deactivate NEWS features.

* Depending on version

TROUBLE SHOOTING

There may be times when you suspect that your car radio is not functioning as you would expect it to. Before calling for service, please read the operating / installation instructions and review the following checklists. You may find that an apparent malfunction can easily be rectified.

If you still have to send your set for service, always send the complete set (with detachable front). Do not try to open the set to service it yourself.

Audio

Set does not function. No Display.
• Check fuse (set and car) and connections.

Set functions but no sound?
• Adjust the volume of the set.
• Check fader and balance settings.
• Check aerial and its connection.
• If car phone is connected, see 'SAM' (page 14), check option 'TEL/HFREE'.

Set mutes and display shows 'TEL MUTE' or 'HFREE' but the car telephone is not in used.
• See 'SAM' (page 14), check option 'TEL/HFREE'.

The sound from the speakers is reduced automatically.
• A built-in safety circuit prevents the temperature in the set from exceeding a certain level.
• Wait for the temperature to decrease before increasing the volume.

Radio

Cannot tune to desired station?
• Check that the aerial is fully extended and properly connected.
• Check that the negative terminal (brown lead) is connected to earth (car chassis).
• Desired station is too weak, try Manual Tuning.

Poor tuner reception?
• In some cars (e.g. VW and Seat) there is an active aerial on the roof that needs a 12 Volt supply. Please ask your dealer to check whether a 12 volt is supplied to the antenna.

Display shows frequency (not station name).
• Set is tuned to non-RDS station.

Radio mutes momentarily while display shows 'SEARCH' and station name / frequency alternately.

• Set is checking a list of Alternative Frequencies (AF) for the tuned radio station as reception is weak. In case no AF is transmitted for the tuned station, switch off AF via the 'SAM'.

Display shows 'NO TA', and set beeps at intervals.
• The tuned station becomes too weak to enable the reception of Traffic Announcements. Use search tuning to find another station.
• If the TA mode is switched on, search tuning only selects stations which enable the reception of Traffic Announcements.

CD / MP3* / CDC*

Display shows 'CD ERR' or 'ERROR' and set beeps.
• Check that the discs have been inserted in the correct way and that you have not inserted a damaged or dirty disc.

Distorted sound during playback.
• Player unable to read disc. CD damaged or dirty.

CD player does not function?
• If the weather is cold, there may be some condensation on the laser. Use the set in radio mode for about 5 minutes to allow the moisture to evaporate.

Display shows 'NO CD'.
• Check that the CD mechanism or CD magazine has been loaded with disc(s).

* Depending on version