

Système audio ALPINE



Operational Controls (unfold the gatefold page on the rear cover)

Main Control Unit

① DSP-EQU (Digital Sound Processor/Equalizer) button

Pressing this button activates the DSP surround setting mode. The display shows the currently selected DSP mode. Turn the VOL knob ③ on the main control unit or VOL +/- buttons ②④ (buttons ③⑤) on the satellite remote control within 8 seconds to choose the desired settings: HALL ↔ LIVE ↔ CHURCH ↔ STADIUM ↔ DISCO ↔ DSP OFF ↔ HALL. Pressing this button during the DSP Setting mode activates the Equalizer Setting mode. To change the settings, turn the VOL knob ③ upward or downward, or press the VOL + or - button ②④ (buttons ③⑤) within 8 seconds to select the desired settings such as POP ↔ JAZZ ↔ ROCK ↔ VOICE ↔ EQ · OFF ↔ POP. When the setting change has not been performed for more than 8 seconds or any button other than the VOL knob is operated, the unit will automatically deactivate the setting mode.

② BAS/TRE (Bass/Treble) button

Pressing this button activates the Bass Setting mode. Pressing this button in the Bass Setting mode activates the Treble Setting mode.

To change the settings, turn the VOL knob ③ clockwise or counterclockwise, or press the VOL +/- buttons ②④ (buttons ③⑤) to increase or decrease the Bass/Treble respectively.

③ VOL (Volume) Control

Turning this control clockwise (toward the + mark) or counterclockwise (toward the - mark) increases or decreases the level of volume or changes the settings by 1 step at a time. When this control is turned to its extreme end and held, the level changes rapidly.

④ Power button

To turn on the audio system, press the power button. If the ignition key is off, the on/off logic feature allows you to listen to the radio for 10 minutes. In this case, the radio will beep 5 seconds before automatically turning the power OFF and the display will blink.

⑤ BAL/FAD (Balance/Fader) button





Pressing this button activates the Balance Setting mode. Pressing this button in the Balance Setting mode activates the Fader Setting mode.

To change the settings, turn the VOL knob ③ or press the VOL +/- buttons ②④ (buttons ③⑤).

⑥ GEO/LDN (Geography/Loudness) button

Pressing this button activates the Geography setting mode which allows you to adjust automatically the listening position according to the number of passengers in the car. To select the desired position, turn the VOL knob ③ or press the VOL buttons ②④ (buttons ③⑤). Passengers are shown on the display as small triangles inside the car.

Each turning or pressing changes the modes as follows:

→ GEO OFF ↔  ↔  ↔  ↔  ↔

Pressing this button in the GEO mode activates the loudness setting mode. Turn the VOL knob ③ or press the VOL +/- buttons ②④ (buttons ③⑤) to turn the loudness on or off. When the loudness mode is turned on, high and low frequencies will be emphasized to compensate for the human ear's characteristics in low listening levels.

⑦ Multi-function Numeral buttons (1 to 6)

• Tuner Mode

Use these buttons to preset the radio stations in each band into memory and recall the preset and regional radio stations.

• CD Changer Mode

Use these buttons to directly select the desired disc loaded in the CD changer.

• AVC (Automatic Volume Control) mode

Use one of the 4 Preset buttons (1 to 4) to select the desired AVC setting in the AVC setting mode (Preset 4 is for the AVC OFF mode).

⑧ Cassette Compartment Slot

Insert a cassette tape into this slot.

⑨ Cassette Eject button

Pressing this button while the tape plays stops the tape playing and ejects the tape.

Note: Loading and ejecting of a cassette can be performed at any time, even if the power is off or the ignition is switched off.

⑩ U (FM) Band button

Press this button to select the desired FM band; U1, U2 or U_{AST}. Each press of this button changes the FM bands as follows:

→ U1 → U2 → U_{AST} →

When the U_{AST} (FM Auto Store) band is selected, you can have the Tuner automatically store the 6 strongest FM stations in its memory into the Preset locations (1 to 6).

⑪ « » Auto-reverse button

Pressing this button during the tape playback mode reverses the tape to play the other side of the tape. Pressing and holding this button in all operational modes for more than 2 seconds activates the AVC (Automatic Volume Control) setting mode.

⑫ Dolby B NR (□□) button

Press this button during tape play to activate the Dolby B Noise Reduction mode to play a cassette tape recorded using Dolby B NR to reduce tape noise. Press again to deactivate the Dolby B NR mode.

⑬ SRC (Source) button

Pressing this button allows you to switch between the different audio sources as follows:

→ Tuner → Tape → CD changer →

⑭ PTY select button

Pressing this button in the U1, U2 and U_{AST} bands activates the PTY selection mode. To choose PTY between different types, scroll the list by turning the VOL knob ③ on the main control unit or using the VOL +/- buttons ②④ (buttons ③⑤) on the satellite remote control.

⑮ DX (Distance) button

Press this button in the Tuner FM mode to activate the DX (distance) mode to receive both strong and weak radio stations in the Auto-Search operation.

To return to the local mode to receive only strong radio stations in the area, press this button.

⑯ TA-RDS (Traffic information mode - Radio Data System) button

Pressing this button in the U1, U2, U_{AST} band or tape and CD mode turns the Traffic information reception on or off. When the Traffic Information mode is on, "TA" appears in the display.

Pressing this button for more than 2 seconds turns the AF mode (Alternative frequencies) on and off. When the AF mode is on, "AF" appears in the display.

⑰ L.M (LW/MW) Band button

Press this button to select the MW or LW band. Each press changes between the MW and LW bands.

⑱ Up (>)/Down (<) buttons

Pressing the Up (>) or Down (<) button in the Tuner mode moves the radio frequency one step in an upward or downward direction. Press repeatedly until your desired frequency appears in the display. Press and hold the button to move the frequency quickly and release it when your desired frequency is found.

Pressing the Up (>) or Down (<) button in the Tape mode results in fast forward or fast rewind of the tape (quickly) respectively. To stop fast forwarding or rewinding, briefly press the same button.

Pressing and holding the Up (>) or Down (<) button in the CD changer mode searches the disc upward or downward respectively. To stop the searching, release the button.

⑲ SCAN button

• In the Tuner mode

Pressing this button in the Tuner mode activates the Preset Station SCAN operation and the unit plays 10 seconds for each preset station on the current band starting with the next preset station being received (if the current station is not a preset station, the unit starts with the Preset-1 station). After scanning all the preset stations on the current band, the unit stops scanning and plays the original station that was received before scanning was started.

To turn off the preset scanning, press the SCAN button.

• In the CD Changer mode

Pressing this button for more than 2 seconds in the CD changer mode activates the random play mode. The tracks on the current disc will be played in a random sequence. After all the tracks on the current disc have been played, the changer loads the next disc and begins a random sequence play on the next disc. To turn off the random sequence play, press the SCAN button.

Short pressing of this button in the CD changer mode activates the scan mode and the first 10 seconds of each track on the current disc will be played.

Satellite Remote Control

Please refer to your Satellite Remote Control (SAT A or B)
Button number information between parentheses is for SAT B.

⑳ (Not available on SAT B) SOURCE button

Press this button to choose the desired source. Each press changes the modes as follows:

LW/MW ← U1/U2 ← U_{AST} ← TAPE ← CD ←

㉑ SOURCE button ㉒ SOURCE button

Pressing this button changes the modes;

→ LW/MW → U1/U2 → U_{AST} → TAPE → CD →

㉓ (㉔) button

• Tuner Mode

Press to search a station upward.

- Traffic information is on and PTY mode is off: automatic search of TP stations. (Station which can broadcast traffic announcements.)
- PTY mode is on and Traffic information is off: automatic search of a PTY (programme type) station.
- If PTY is on and traffic information is on (TA indicator is displayed) the radio searches the last mode you selected.

• Cassette Mode

Press this button to reverse the tape direction.

• CD Mode

Press this button to select the desired disc. Each press changes the disc's from 1 through 6.

• Security Code Mode

Press this button briefly after selecting the numeral for the security code to input the numeral. Press and hold this button for more than 2 seconds after inputting 4 numerals to store the security code in memory.

㉓ (㉔) Wheel


• Tuner Mode

Turn the wheel downward or upward to select the preset stations.

• Tape Mode

Turn the wheel downward to select the next section and upward to select the previous section.

• Security Code Input Mode

Turn the wheel to select the numbers for the security code. For storing the selected numbers in the memory, refer to the  button ㉓ (㉔).

• CD Mode

Turn the wheel upward or downward until you hear the first click to go to the beginning of the next track or previous track respectively.

To go to a track further ahead or back, repeatedly turn the wheel until you hear as many clicks as you wish to go.

②④ (35) VOL +, - buttons

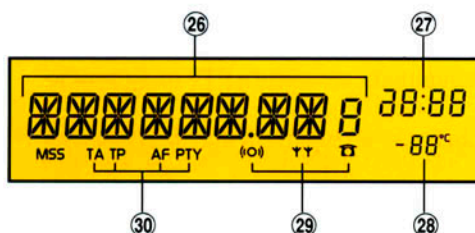
Press these buttons to increase or decrease the Volume level or adjust the Bass/Treble/Balance/Fader/DSP/EQ/GEO/LDN/PTY settings.

When both buttons are pressed simultaneously, the Mute mode will be activated and the sound will be muted. When a cassette tape or CD is playing, it will be placed in the pause mode.

②⑤ (Not available on SAT B) button

- Anti-Theft Input Mode: Pressing this button briefly in the Anti-theft security code input mode executes inputting the numeral for the blinking digit, or pressing and holding for more than 2 seconds executes inputting the security code in the memory.
- Pressing this button in all the modes other than the Anti-theft mode turns on the Mute mode.

Monitor Display



②⑥ Function Indicator

②⑦ Clock Indicator

②⑧ Temperature Indicator

②⑨ Telephone Indicators

③⑩ RDS mode Indicators

CD Changer

③① CD Magazine Compartment Door

CD Magazine Eject Button

Gently press this button to eject the CD magazine.

Adjusting Audio Settings

– Volume Adjustment

Adjust the volume level by turning the VOL knob ③ on the main control unit to the + mark or – mark or press the VOL + or – buttons ②④ (buttons ③⑤) on the satellite remote control to increase or decrease the level.

– Bass/Treble/Balance/Fader Adjustments

Adjust the Bass, Treble, Balance and Fader by first pressing the BAS/TRE or BAL/FAD button to select the mode, then turning the VOL knob ③ on the main control unit or pressing the VOL +/- buttons ②④ (buttons ③⑤) on the satellite remote control.

– Geography/Loudness Adjustments

Adjust the listening position by first pressing the GEO/LDN button to select the Geography mode then turning the VOL knob ③ or pressing the VOL +/- buttons ②④ (buttons ③⑤). To turn the Loudness on or off, press the GEO/LDN button during the Geography mode to select the Loudness mode, then turn the VOL knob ③ or press the VOL + or – buttons ②④ (buttons ③⑤).

– DSP/EQU

Press the DSP/EQU button to choose between different settings by turning the VOL knob ③ or using the satellite remote control VOL +, – buttons ②④ (buttons ③⑤). Press this button during the DSP mode to choose one of the pre-programmed equalizer curves, using the VOL knob ③ or the satellite remote control VOL buttons ②④ (buttons ③⑤).

Radio Operation

• Power On/Off

Press the Power button ④ to turn on the power of the Audio system. The display panel shows the current function being activated.



• Radio Band Selection

Select the desired radio band; U1 (FM1), U2 (FM2), U_{AST} (FM Auto Store), LW (Long Wave) and MW (Medium Wave) by pressing the U or M.L. button on the main control unit, or the SOUCE buttons on the satellite remote control.

• Manual Tuning

Press the > or < button on the main control unit to tune in a desired radio station observing the frequency on the display. Each press moves the frequency by one step.
To move the frequency quickly to tune in a station, press and hold the < or > button, the frequency moves quickly upward or downward so when a desired frequency is found release the button.

• Automatic Tuning

Press the  button on the satellite remote control to search a station upward, the tuner stops when a station is found. The searching will be performed with the Local sensitivity level for the first searching cycle and if no stations are found the tuner automatically changes to the DX (higher) sensitivity level and performs the second searching cycle although the display continues showing . If the tuner still cannot find any stations it goes to the original station it was receiving before the search up operation.

User can select the DX mode to have the tuner begin the searching with the DX mode in the FM band only.

When the DX mode is manually selected by the user, the receiver automatically switches from the DX to Local mode when the searching has not been performed for more than 1 minute.


• Preset Stations

Radio stations can be stored in memory at the Preset location buttons 1 to 6. To preset radio stations in the memory follow the procedure below.



1. Select the desired radio band by pressing the U or M.L. button.
2. Tune in the station to be stored in memory by manual or auto tuning.
3. Press and hold the Preset location button into which you want to store the station for at least 2 seconds. When the station has been stored in memory, the tuner produces a beep sound once.
4. Repeat the steps 2 and 3 above to store 5 other stations on the band. You can store up to 6 stations for each band, U1, U2, U_{AST}, LW and MW, a total of 30 stations (max.).

• Auto Memory

The tuner can automatically store up to 6 FM stations into the U_{AST} band using the satellite remote control.

Press and hold the  button on the satellite remote control for at least 2 seconds. The tuner will automatically search and store 6 strong FM stations in the area for the Preset location numbers 1 to 6 in order of signal strength. When the automatic storing has been completed, the tuner produces a beep sound and goes to the station stored in the Preset location number 1 and receives it.

The tuner performs the Auto Memory search at the Local sensitivity level for the first cycle and if there are not enough stations to fill all 6 location buttons, the tuner performs the second searching cycle with the DX (higher) sensitivity level. If no stations are stored, the tuner will return to the original station you were listening to before the Auto Memory procedure began.

Note: If the LW or MW band is selected and the  button is pressed, the tuner produces an error beep once and does not accept the Auto Memory operation. When the U1 or U2 band is selected and the  button is pressed and held, the tuner will automatically switch to the U_{AST} band.

The tuner can carry out the Auto Memory operation while you are playing the tape player or CD changer.

• **Recalling Preset Stations**

The radio stations preset in the memory can be recalled directly by pressing the Preset buttons on the main control unit. The display shows the band, frequency and PS of the station. The preset radio stations in memory can also be recalled using the Wheel on the satellite remote control. Turn the Wheel, and the display shows the Preset Number for a moment then the frequency or PS (Programme Service Name such as BBC R4).

• **Scanning Preset Stations**

When this function is activated by pressing the SCAN button on the main control unit in the tuner mode, the tuner automatically receives 10 seconds of each preset station in memory. When the desired preset station is found, press the SCAN button again to cancel the scanning. The tuner continues receiving that station.

• **RDS Features**

The RDS (Radio Data System) is a radio information system using the 57 kHz sub-carrier of regular FM broadcast. It allows you to receive a variety of information such as traffic information, station names, and to automatically tune to a stronger transmitter that is broadcasting the same programme.

Note: RDS is available only on the FM band.

The tuner offers the following convenient features using RDS.

- TP/TA (Traffic Programme/Traffic Announcement)
- PTY (Programme Type) such as news, sports, music, etc.
- EON (Enhanced Other Networks) constantly updates the AF lists so that you can receive an alternative frequency for the current station or another station carrying the same programme.
- PI/AF (Programme Identification/Alternative Frequency List) which the tuner can use to automatically find the alternate frequencies for the preset stations when you are travelling away from your home area.
- PS (Programme Service Name) such as BBC R4 is displayed so you know exactly what station you are listening to.

PS (Programme Service Name) Display

Turn the tuner on and choose one of the three FM bands, U1, U2 or UAST.

When you tune in an RDS station, the frequency display changes to the programme service name display after a few seconds by means of the PS code.

- The RDS functions of this unit use RDS codes transmitted along with FM broadcasts. RDS doesn't work on the MW and LW bands.
- The RDS functions may not work properly in areas where the RDS transmissions are at an experimental stage or where the broadcasting signals are weak.

PI (Programme Identification) Search Function

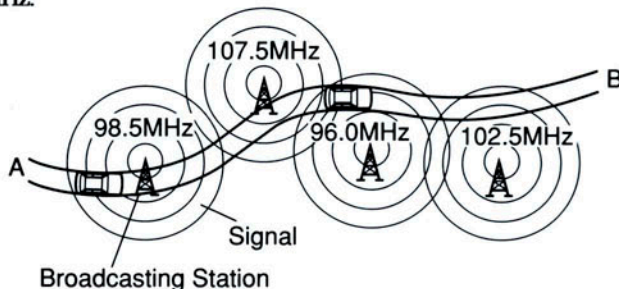
If the preset station is an RDS station, the tuner can refer to the station's PI code and the AF signal to automatically find the alternate frequencies for the preset station.

AF (Alternative Frequency List) Function

This receiver retunes automatically to a stronger transmitter, contained in the list of Alternative Frequencies (AF) using the PI code, to enable you to keep listening to programmes in the same network.

Example:

If a motorist travels as shown below, from point A to point B, (and has selected AF function) then the receiver will automatically retune to a stronger frequency station transmitting the same program. This is shown by the automatic retuning from 98.5 MHz to 107.5 MHz, to 96.0 MHz, to 96.0 MHz, to 102.5 MHz.



To activate the Alternative Frequency function, hold down the TA-RDS button for more than 2 seconds and "AF" will appear on the display. Once tuned to an RDS station, as long as you drive within an area served by the same network, the receiver will automatically retune to a more suitable station transmitting the same programme by utilizing the data in the AF list.

SEARCH and PS will appear on the display alternately for 1 second when the AF function is selected. If a suitable AF station cannot be found when the AF function is on, the receiver will mute the radio sound and search up in order to find a station with the same PI code. The receiver will return to the original frequency if the same or related PI code cannot be found.

• The AF function will not work in the following cases:

- when the receiver is tuned to a non-RDS station (local station).
- when the RDS station does not transmit any AF list data.
- when the receiver cannot receive the AF list due to disturbances.

When the receiver is unable to find a PI code the "AF" indicator will flash on the display, thus indicating that the AF function cannot be performed.


Preset recall

- When recalling preset stations in the AF mode, the tuner will be tuned to the stored frequency and the AF function will be operative i.e. when the signal of the recalled station is weak or has a different PI or the band is switched, the radio will look into the AF list and if necessary start a PI-search in order to find a station with the same or related PI code. When the tuner is performing a PI search, SEARCH and PS are shown alternately for 1 second on the display. If the PI search is successful, the tuner will tune to the new frequency that transmits the same programme service (i.e. with the same PI code) and the display will show the stored PS. If the PI search is not successful, the tuner will return to the stored frequency. If a new station (with a different PI code) can be received on this frequency, this station will become audible. The display will show the frequency instead of PS.
- When recalling preset station in the AF OFF mode, the tuner will be tuned to the stored frequency and the display will show the stored PS. In case the tuned station has a PI code that is different from the stored one, the tuner will accept the new PI code and stay tuned to the new frequency. The display will show the new PS when the signal of the tuned station is strong enough.

Traffic Information Reception

TP and EON-TP function


Press the TA-RDS button in the U1, U2 or U_{AST} band to turn on the Traffic Information mode. The display shows "TA."

 will be displayed when a selected station is broadcasting information. If the TA mode is selected by user but received station cannot broadcast traffic announcement, TA indicator will blink on display.

When a traffic information station (TP station) is selected, "TP" shows on the display, thus indicating that traffic report can be received through this station. The receiver is provided with the EON feature which cross-references at least one programme service that carries traffic information, thus indicating traffic reports can be received through another programme service by using the EON function of this unit.

When the TA/RDS button is pressed during traffic information, the receiver returns to the previous station the tuner was receiving before the TA mode began, and the volume also returns to the previous level, but the Traffic Information mode remains.

Emergency Broadcast

Whenever the receiver receives an emergency broadcast signal in any mode except the MW and LW, the receiver produces a beep sound twice and shows  in the display. The audio system automatically mutes the receiver or places the Tape/CD mechanism in the pause mode and receives the emergency broadcast.

Note: During the emergency broadcast reception, the audio system will not accept changing the mode, band and frequency and lowering the volume level below the TA volume setting.

Listening to Regional Stations

In some countries a particular programme service may "opt out" during a certain part of the day in several regional variants at particular locations. Since these regional variants are broadcasting a different programme they temporally have a PI and a PS that is different from the main programme service.

The PI's are mostly "generically linked." The AF list may either be common for all regional variants or each regional variant may have its own AF list.

In other countries there may be regional stations which are not an "opt out" of a particular main programme service but which have an independent existence. These regional stations all have a different PS. Their PI's may be "generically linked" and their AF lists may carry frequencies which are alternatives for that regional station only.

Press and hold the TA/RDS button for more than 2 seconds to turn the AF mode on or off.

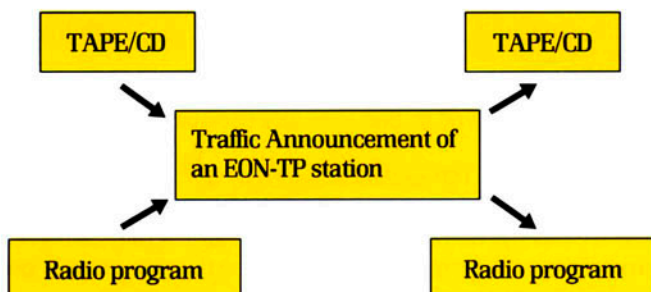
Regional ON Mode

When the radio is put in the AF ON mode, the radio will remain tuned to a specific regional variant as long as it is available. Press and hold the TA/RDS button for 2 seconds or more to put the radio in the AF ON mode. "AF" will appear on the display.

When a regional radio station is stored in the memory at the preset button, the radio can search for other regional radio stations in the same network using the AF list. To use this function, press the preset button that has the desired regional station. Each time you press the same preset button, the radio searches for another station in the AF list.

Press and hold the TA/RDS button for 2 seconds or more to cancel the AF ON mode, i.e. to put the radio back in the AF OFF mode. "AF" will disappear from the display.

Traffic information reception by EON-TP



Traffic Announcement Volume Adjustment

The traffic announcement volume level is pre-adjusted to 10 steps. It is possible to change the volume level while traffic announcements are broadcasted. If so, the new volume level will be memorized if it is higher than 10 steps and lower than 30 steps. This newly memorized volume level will be reused when receiving following traffic announcements.

TA Reception during CD/TAPE play

If the radio is already set to the FM band and the traffic information mode is on, and even when you are listening to the tape or CD **and** the TA-/RDS button is pushed, the receiver will go into the traffic information standby state. When a traffic report begins, the system will pause the Tape/CD play and **will** begin the traffic report.

Best TP Station Auto Search function



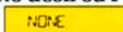
When the TA mode is turned on ("TA" is shown on the display) and if the received TP station signal becomes weak while you are playing a cassette or a CD, the radio will start BSA (Best TP Station Auto Search) 10 seconds after "TP" disappears from the display. The tuner will automatically tune to the strongest TP station in the area, and will be on standby to receive traffic information.

Tuning Functions on each RDS mode

Tuning Mode	AF Mode	TA Mode & AF plus TA Mode
Search Tuning will stop to find,	RDS Stations	TP or EON-TP Station

PTY (Programme Type) Tuning

PTY is an ID code that allows the receiver to recognize each station's type of programming such as News, Classics, Light Music, etc. With the PTY function, you can have the receiver find stations within the selected category.

1. Press the PTY button. The display shows the last selected PTY type for 4 seconds. The PTY mode indicator will be shown on the display.
2. You will have 4 seconds to choose one of the PTY types by turning the VOL knob on the main control unit or using VOL + and VOL - buttons on the satellite remote control.
3. Push the  key on the satellite to start searching stations broadcasting the selected PTY. The display shows  and the programme type you selected alternately during searching.
4. When a station of the selected PTY type is found, the display shows the programme type for 4 seconds then the PS.
The programme type in the display stops after 4 seconds but the PTY indicator remains on. If the radio does not find a station broadcasting the desired PTY in one searching cycle, the radio will produce a beep sound once and show  for 4 seconds and the radio tunes to the previous station.
5. To cancel the PTY mode while "PTY" is displayed, press the PTY button. "PTY" indicator disappears from the display. After one minute, if no search is performed, the PTY mode goes off automatically, letting you perform an automatic search if the TA mode is OFF, or a TP station search if TA is ON. If the PTY mode is on and TA is on, the radio will automatically search for the latest selected mode.

Notes:

- Pressing the band buttons (U and M.L.), Preset buttons, Auto Memory or MODE button turns the PTY mode off.
- The PTY function is operative in the U1, U2 and U_{AST} modes only.
- When the traffic information broadcast starts during the PTY mode, the traffic information takes priority over the PTY.

Main Control Unit Protection Circuitry

If the temperature inside the Main Control unit goes extremely high, the built-in protective circuitry will be activated and the display will blink.

Should this occur, the volume level will automatically decrease by one step every 2 minutes and the unit will not accept the volume increase operation.

When the temperature goes down to the operational temperature, the unit automatically returns to the normal operational state.

Cassette Player Operation

- Playing Cassette Tapes

Inserting a cassette tape

Insert a cassette into the cassette compartment with the open side facing to the right. The cassette player begins playback of the selections on the cassette.

When the end of the tape is reached, the player automatically reverses the tape to play the other side of the tape.

Notes:

- When a metal cassette tape is inserted, the player automatically shows "CASS-CR" in the display for a moment and adjusts to the equalization for metal or any other high bias tape for optimum sound.
- When power is turned off during the tape playback, the full-logic mechanism will automatically switch to the pause mode.
This protects the tape from being deformed by the pinch-rollers if left for long periods of time.
- To switch from the CD mode to the tape mode, press the SRC button (13) or SOURCE button (20) or button (21) on SAT A, or SOURCE button (20) or button (21) on SAT B.
- To stop the tape play and to eject the cassette tape, press the Eject button (9).

Manual Reverse

Press the "« »" button (11) or button (22) (buttons (34)) during tape play to change the tape direction to play the other side of the tape.

Fast forward and Rewind

Press the "<" or ">" button to fast rewind or forward the tape respectively.

When the end of the tape is reached in the rewind mode, the player stops automatically and begins playing from the beginning of the same side. When the end of the tape is reached in the fast forward mode, the player stops automatically and begins playing from the beginning of the opposite side. During the fast forwarding or rewinding, you can listen to a radio station. During fast forwarding, pressing the > button places the player to the play mode and pressing the < button places the player to the fast rewinding mode. During fast rewinding, pressing the > button places the player to the fast forwarding mode and pressing the < button places the player to the play mode.

Dolby B NR (Noise Reduction)

Press the Dolby NR button in the tape mode to select the Dolby B NR to play a Dolby B NR encoded tape to reduce the noise level. The display shows **DOLBY CN** for 2 seconds.

To deactivate the Dolby NR mode, press the Dolby NR button. The display shows **NO DOLBY** for 2 seconds.

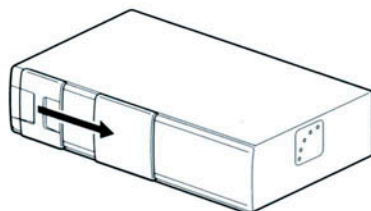
Next/Previous Search

Using the Wheel on the satellite remote control, the tape player can skip forward or backward to the beginning of the next selection or previous selection. Turn the Wheel upward until you hear the first click sound to return to the beginning of the current selection. Turn the Wheel downward until you hear the first click to advance to the beginning of the next selection. If you wish to return or advance to the beginning of a selection further back or forward, repeatedly turn the Wheel. The tape will move backward or forward by the number of clicks you hear, and playback will begin from there.

CD Changer Operation

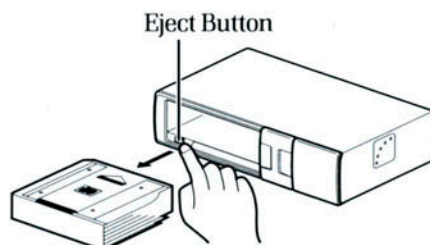
- Loading CDs

1. Slide the door ③① to the right to open it.

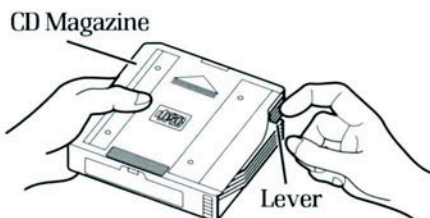


2. Press the eject button to eject the CD magazine.

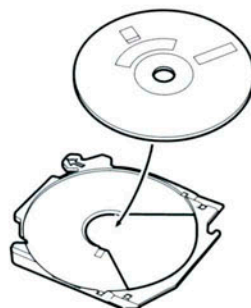
Note: Do not forcibly remove the CD magazine by hand.



3. To remove a CD tray from the CD magazine, pull the lever with your finger.

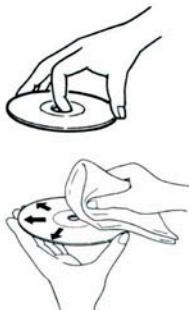


4. Insert your discs (up to 6) into the CD trays with the label side facing up.



Notes:

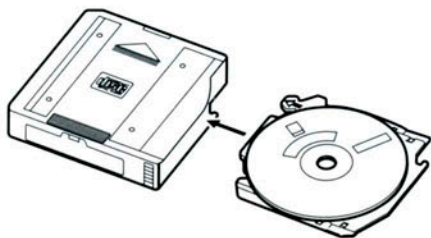
- Do not insert cracked, warped, heat-deformed or otherwise damaged discs into the CD magazine.
- Only one disc can be inserted into each tray. Attempting to insert another disc may cause damage.
- Do not use 3-inch discs.
- Hold the disc by its edge so you will not leave fingerprints on the disc surface.
- Before inserting, clean the discs with a cleaning cloth (available at audio shops) if they are dirty. Wipe the discs from the centre of the disc to the outer edge.



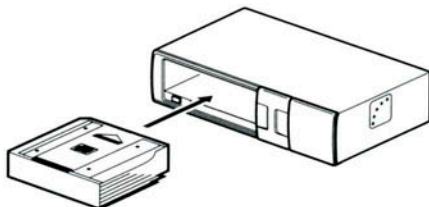
5. Insert each CD tray all the way into the CD magazine.

Notes:

- Be sure to insert all CD trays even if a tray has no disc.
- Be sure to insert the CD tray straight, or it may cause operation troubles.



6. Insert the CD magazine all the way into the changer with the narrow side facing the changer as shown here.



7. After inserting the CD magazine, slide the door to the left to close.

Caution: Door must remain closed at all times to prevent dust, water and smoke contaminants from diminishing the overall performance of the CD changer.

- Playing CDs


CD changer Selection


Press the SRC or SOURCE button to activate the CD mode.

Disc Selection

Press the Preset Location button to select the desired disc in the CD changer.

The CD changer begins playing the selected disc starting with the first track on the disc.

You can also select the desired disc by pressing the  button on the satellite remote control.

Each press changes the discs in an upward direction from 1 to 6. When the  button is pressed after "6," the changer returns to disc 1.

Tracks Scan

Press the SCAN button ⑨ on the main control unit to play the first 10 seconds of each track on the disc selected.

To end the scan play, press the SCAN button again.

Track Search

Press and hold the ">" or "<" button to search a desired track or portion on the disc selected. Release the button when the desired track or portion is found. The changer begins playing from there.

When the end of the disc is reached in the searching upward mode (with the ">" button pressed) or downward mode (with the "<" button pressed), the changer goes into the pause mode and remains in this mode until the button is released. When the button is released, the changer starts playback from the beginning of the first track on the disc.

Random Play

Press and hold the SCAN button ⑨ on the main control unit during CD play for more than 2 seconds.

The display briefly shows "RD  CD" then shows the track number and disc number.


The tracks on the disc will be played back in a random sequence starting with the current track. After all the tracks on the disc have been played back once, the changer will load the next disc and begin a new random sequence play. The random play continues until the Random play mode is cancelled. Press the SCAN button to cancel the Random play mode.

Next/Previous Search

Turn the Wheel on the satellite remote control until you hear a click once to skip forward or backward to the beginning of the next track or current track.

If you wish to return or advance to the beginning of a track further back or forward, repeatedly turn the Wheel by hearing the click sound. The tracks will move backward or forward by the number of clicks you hear, and playback will begin from there.

CD Changer Protection

If the temperature inside the CD changer goes extremely high, the protective circuitry will be activated and the  indicator will appear in the display and the changer will be placed in the pause mode. When the temperature returns to the operational temperature, the changer automatically begins playback.

AVC (Automatic Volume Control)


The radio/cassette player can automatically control its volume level depending on the vehicle's speed to mask the road noise.

There are 3 AVC curves you can select.

1. Press and hold the « » button for more than 2 seconds to activate the AVC setting mode. The display shows the current AVC curve.
2. Press one of the Preset location buttons (1 to 3) to select the desired AVC curve (the Preset location 4 is for the AVC off mode).
Note: In the AVC setting mode, only 4 Preset buttons (1 to 4), Eject button and Power button are functional.
3. The AVC setting mode will be automatically cancelled when the setting change is not performed for more than 4 seconds.

Mute Function


The audio system can be muted by:

- the telephone mute signal
- pressing the  button (only for SAT A) or both VOL + and – buttons simultaneously on the satellite remote control

When a telephone call signal comes in and the hand set is removed, the audio system will automatically mute. If the tape player or CD changer is playing, it will be placed in the pause mode automatically during the mute status.

The display shows "SPEECH" and all the audio system controls except the Power button and Eject button become unfunctional.

When the hand set is hung on, the audio system returns to the original mode.


If you want to mute the audio system manually, press the  button (only for SAT A) or both the VOL + and – buttons on the satellite remote control.

To cancel the mute mode, press the same button(s) for a second time.

In Case of Difficulty

If you encounter a problem, please review the items in the following checklist before consulting your Renault dealer. This guide will help you isolate the problem if the system is at fault.

Initial Turn-on

Symptom	Cause	Solution
No function or no display.	Power is off to the main control unit.	Press the power button to turn on the power.
	Blown fuse.	Check the fuses in the vehicle's fuse box; replace with the proper value if necessary.
No function with "CODE" displayed.	Incorrect security code is entered.	Wait until the display shows "0000" and enter correct security code.
Functions OK but no sound.	Volume level is too low.	Using the Volume control adjust level.
No sound with "SPEECH" displayed.	The audio unit is muted by a telephone call.	Wait until the telephone call is finished.
No sound with "MUTE" displayed.	The Mute mode is activated.	Press the  button, or press both the VOL + and - buttons at the same time to cancel the Mute mode.
The audio system turns off automatically.	The ignition key is switched off.	Turn the ignition key to the ACC or ON position.
Playback sound is strange.	Settings of the Bass, Treble, Balance or Fader is not correct.	Check the settings and correct if necessary.
	Equalizer, DSP or GEO is turned on.	Check the settings and correct if necessary.

Radio Mode

Symptom	Cause	Solution
Unable to receive stations.	You are in a weak signal area.	Move to a strong signal area.
Unable to tune in stations in the Automatic Search mode.	You are in a weak signal area.	Use the manual tuning procedure.
	The Traffic Information mode is on but no station is broadcasting the traffic information.	When the Traffic Information mode is turned on, the tuner will only search for the radio stations that broadcast the traffic information.
The tuner cannot find the selected PTY station in the PTY search operation with "NONE" indication in the display.	No station is broadcasting the programme in the selected PTY.	Turn off the selected PTY to search for other stations.
"ALARM" is shown in the display.	Emergency announcement is being broadcast.	Wait until the emergency announcement will finish.
The display shows the programme service name and "SEARCH" alternately.	The tuner is searching for a stronger station because the current station is weak.	Wait until the searching process will finish.

Tape Mode

Unable to fast-forward or rewind; Fast-forward or Rewind is very slow.	The cassette has been damaged or the tape is very old.	Eject the cassette and discard; using a damaged or very old cassette in your unit can cause damage to the transport.
Poor high frequency response.	Tape head dirty.	Clean the head using a head cleaner cassette available at audio stores.
	Dolby NR is activated for a non Dolby NR recorded tape.	Make sure the Dolby NR function is deactivated.
	Tape head out of alignment.	Return to Authorized Centre for service.
Excessive tape hiss.	Dolby NR not activated for Dolby NR encoded tape.	Make sure the Dolby NR function is activated.

CD Changer Mode

Symptom	Cause	Solution
No CD functions with "HI TEMP" indicator shown in the display.	The built-in thermal protection circuit is activated due to high temperature.	Wait until the temperature inside the CD changer returns to within the operation range.
CD playback sound is wavering.	Moisture condensation in the CD Module.	Allow enough time for the condensation to evaporate (about 1 hour).
Sound skips.	Dirty or scratched disc.	Clean the disc; damaged discs should be replaced.

Technical Specifications

1. Tuner

- Wave lengths
 - MW : 531 to 1602 kHz
 - LW : 153 to 281 kHz
 - UW1/UW2 : 87.5 to 108 MHz
 - U_{AST} : 87.5 to 108 MHz
- Intermediate frequencies
 - 10.7 MHz in MW, LW and UW
- UW sensitivity
 - 2 dB μ V (for S/N 30 dB at 98.1 MHz)
 - Automatic search with 2 levels of sensitivity
 - Autostore with 2 levels of sensitivity (search starting from the bottom of the waveband)

2. "Autoreverse" cassette player

- Soft keys for: satellite remote control unit – loudness and Autoreverse
- Playback head
 - hard PERMALLOY
- Tape speed
 - 4.76 cm/sec
- Wow and flutter
 - 0.1 % WRMS
- Signal/noise ratio
 - 56 dB without Dolby* with JIS-A filter
 - 66 dB with Dolby* B with CCIR/ARM filter
- Stereo separation
 - 55 dB at 1 kHz with 1 kHz BPF
- MSS system
 - Search for pauses: fast forward/backward
 - search for the beginning of track sections
- Dolby N.R.*
 - Type B

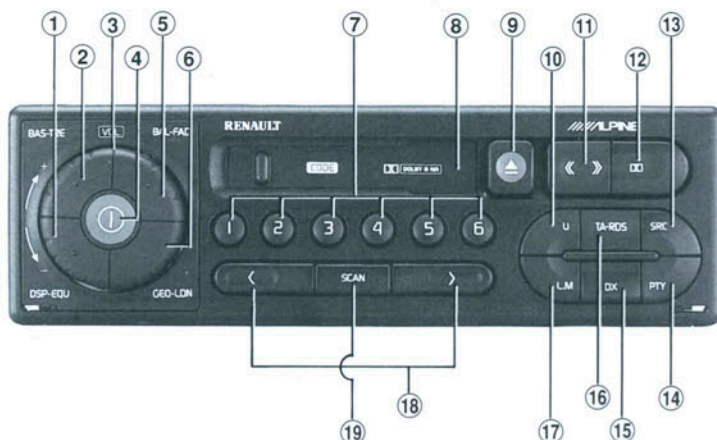
3. Low frequency amplifier

- Power (4 Ω : 14.4 V)
 - 4 \times 25 W
 - 4 \times 18 W for 10 % distortion
- Frequency response
 - 30 Hz to 20 kHz
- Digital balance
 - Right/left hand
- Digital fader
 - Front/rear
- Bass correction
 - \pm 12 dB at 100 Hz
- Treble correction
 - \pm 12 dB at 10 kHz
- Loudness
 - + 8 dB at 100 Hz
 - + 6 dB at 10 kHz

4. CD input (on certain versions)

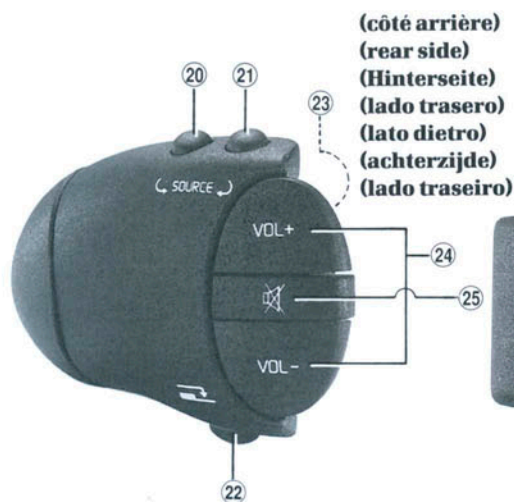
- Stereo separation
 - 65 dB
- Signal/noise ratio
 - 80 dB with JIS-A filter

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol (DD) are trademarks of Dolby Laboratories Licensing Corporation.

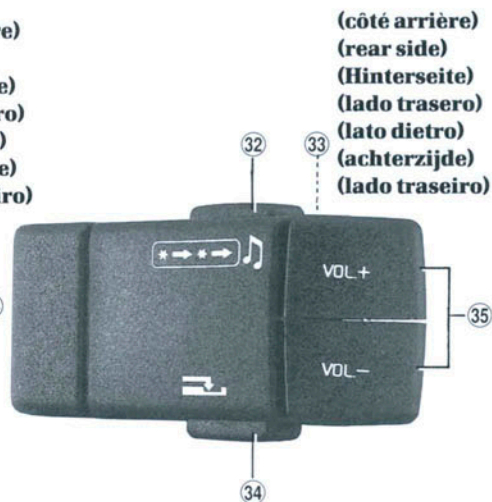


SATA

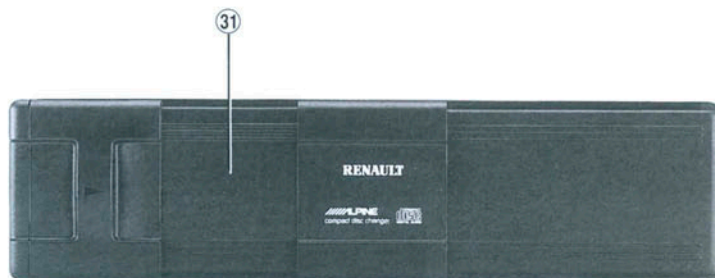
SAT B



(côté arrière)
(rear side)
(Hinterseite)
(lado trasero)
(lato dietro)
(achterzijde)
(lado traseiro)



(côté arrière)
(rear side)
(Hinterseite)
(lado trasero)
(lato dietro)
(achterzijde)
(lado traseiro)



31



RENAULT