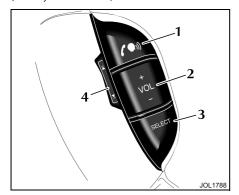
# **Steering Wheel Controls**

(The XI and S-TYPE)

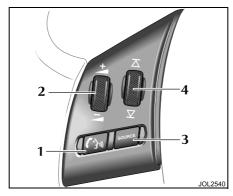


Four audio system control switches are situated on the left-hand side of the steering wheel. Duplicating the functions of buttons on the audio panel, these provide finger-tip control of audio, telephone and voice activation systems whilst driving.

**Note:** Switches illustrated as 2 and 4 are: The XJ and S-TYPE – rocker switches. X-TYPE – part rotating switches which self-centre when released.

1. Press to start voice session, or mute when voice is not fitted. Answer phone call when ringing. Send/End when in Phone mode.

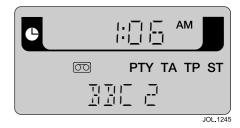
(X-TYPE)



- 2. Press/rotate as required to increase or decrease volume.
- 3. Press and release to cycle through Radio FM, AM, Cassette, CD or MD and CD Changer, or press and hold for at least two seconds to select Phone Ready mode.
- 4. Press/rotate as required and release to cycle through preset radio stations, the next CD/MD track or tape AMS (Automatic Music Search).

Press/rotate and hold for at least two seconds to cycle to next strong station, next CD or change tape side.

# **Audio System Display Panel** (in AM/FM mode)



PTY Priority programme type selected

TA Traffic announcement selected

TP **Traffic Programme** 

ST Stereo

**Note:** The Audio System Display Panel shown above and throughout this handbook, displays a clock symbol and the time in the top section. This is not displayed on The XJ audio system.

# 2-2 Controls and Operation

# **Radio Operation**

### Reception

FM reception offers the advantages of low noise interference, minimal distortion, wide dynamic range, extended frequency response, and is usually broadcast in stereo. FM frequency waves are however relatively short and travel in a straight line and can therefore be impeded by obstructions, which may adversely affect reception in certain parts of the country. This is a condition known as Multipath Interference.

Whilst FM reception generally provides better quality sound, AM reception or Medium Waveband (MW) and Long Waveband (LW) (United Kingdom and Europe) may prove superior in remote areas not covered by the shorter range FM transmitters.

When experiencing poor FM reception, background noise can be reduced by pressing the MODE button, selecting TREBLE and reducing the treble setting.

# On/Off and volume control



Press the control knob to switch the radio on, press again to switch off. Turn the control knob clockwise to increase or counterclockwise to decrease volume.

Any volume setting made whilst in audio, phone, or voice activation mode, will be memorised for that system.

#### **Automatic volume control (AVC)**

This maintains radio volume at a level sufficient to overcome road noise as vehicle speed increases or decreases. To activate AVC, press and hold the volume control knob until AVC is displayed. To de-activate AVC, momentarily press the volume control knob again. The level of AVC control can be adjusted by turning the volume control knob whilst in AVC ON mode. When AVC is ON, manual adjustment of volume will override the AVC setting.

#### **MODE** button



The MODE button functions at two levels and is primarily used to adjust sound quality to

personal preference. In addition, it is used to adjust **TA** and Voice Activation volume, select Voice Activation Training and to set the audio display clock on the the S-TYPE and X-TYPE. Inhibits the rear multimedia system controls on The XJ.

#### Mode level 1

Repeatedly press and release the **MODE** button to scroll through the following modes:

BASS Increase/decrease.

TREBLE Increase/decrease.

**BALANCE** Left to right.

**FADE** Front to rear.

SUB LEVEL (Premium audio system only)

Increase/decrease subwoofers.

#### Mode level 1 (continued)

With a mode selected, adjust the volume control knob to the desired level. After approximately five seconds the audio system will return to normal volume control mode.

#### **Digital Signal Processing – DSP**

(Premium Audio System only)

DSP facilitates optimisation of sound for specific seating positions. To optimise sound for all seating positions:

- 1. Repeatedly press the MODE button until POS ALL is displayed.
- 2. Rotate the volume control knob to cycle through POS F-LEFT (front left), POS F-RIGHT (front right), POS REAR, and POS FRONT until the desired setting is achieved.

Following approximately five seconds of no further actions or adjustments, the audio system will return to the previous display.

**Note:** To improve the comfort of passengers in the rear of the vehicle, the bass performance of the subwoofer is reduced when DSP mode is set to POS ALL or POS REAR.

For optimum bass performance it is recommended that the DSP mode is set to POS FRONT, POS F-RIGHT or POS F-LEFT.

#### Mode level 2 (S-TYPE and X-TYPE)

Press and hold the MODE button until TA VOLUME is displayed, then repeatedly press and release to scroll to the following displays as required:

- VOICE (adjust Voice Activation volume).
- VOICE TRAIN A.
- VOICE TRAIN B.
- **CLOCK SET** (not The XJ).

Press and hold the MODE button to exit.

### Setting the audio display clock (S-TYPE and X-TYPE)

- 1. Press and hold the **MODE** button until **TA VOLUME** is displayed.
- 2. Repeatedly press and release the MODE button until CLOCK SET is displayed.
- 3. While the hour format is flashing, use the seek up/seek down keys to select either 12 or 24 hour format.
- 4. Press and release the MODE button.
- 5. If the 12 hour format has been selected, use the # key to select AM or PM as appropriate.
- 6. Using the keypad, enter the correct time. It should be noted that clock time must be entered as four digits e.g. 0325 or 1525, when in 12 or 24 hour format.
- 7. To exit clock setting procedure, press and hold the MODE key until the display reverts to audio mode.

Mode level 2 (The XJ)

Press and hold the MODE button until RMS LOCK/RMS UNLOCK/ RMS H/PHONE is displayed (if Rear Multimedia System (RMS) is fitted), then repeatedly press and release to scroll to the following displays as required:

- RMS ON/RMS H/PHONE/RMS OFF (adjust with rotary volume control).
- RMS REAR SPKR ON: RMS REAR SPKR OFF (adjust with rotary volume control).
- TA VOLUME (adjust with rotary volume control).
- VOICE VOLUME (adjust with rotary volume control).
- VOICE TRAIN A (press seek up to adjust).
- VOICE TRAIN B (press seek up to adjust).

Press and hold MODE button to exit.

# Rear multimedia system settings



#### **WARNING:**

With the multimedia system turned on, the rear seat passengers have the ability to control the audio system functions including the adjustment of volume through the cabin speakers.

To inhibit the Rear Multimedia System Controls press and hold the MODE button until the current RMS MODE is displayed. The displays available are RMS OFF, RMS ON or RMS H/PHONE.

Rotate the Volume knob one position to the left or right to change the system mode as required:

- 1. **RMS ON** This resets the rear switch pack controls.
- RMS H/PHONE The rear switch pack control of cabin speakers is inhibited. Control using headphones is still available.
- 3. **RMS OFF** This fully inhibits the rear switch pack controls.

#### Source tone memory

Bass and Treble positions are automatically memorised for AM radio, FM radio, cassette tape and CD/MD, allowing individual settings for each mode.

#### Change audio system source







Press the desired audio system source button.

#### Band switch AM/FM

Pressing AM/FM repeatedly will cycle the radio through FM, Medium and Long wavebands (as applicable). Band selection will be shown in the display panel. When a tape or CD/MD is being played, pressing the band switch will select radio operation.

### Presetting memorised radio stations





In the interests of road safety, do not attempt to preset a station while driving.

On each waveband, nine stations can be memorised using keypad buttons 1 to 9. After tuning to a station, press and hold the selected button until the unit 'beeps'. A station can be recalled from the preset memory by pressing and immediately releasing the button. Pressing the steering wheel preset selector button will cycle through the preset stations.

### Seek and manual tuning





In AM/FM mode, pressing and releasing the left or right button will activate

the radio in seek mode, tuning through the frequency range to the next available station. Pressing either button for more than two seconds will enter manual tuning mode.

### **Auto memory (A MEM)**



The automatic memory function programmes the nine strongest stations on a selected waveband to presets 1 to 9.

**Note:** These are additional to the preset stations described earlier.

To activate this function, press and hold A MEM button for at least two seconds.

The radio will be briefly muted while it searches the waveband for the nine strongest stations. When programming is complete the radio will default to preset number 1 and audio volume is restored.

# 2-6 Controls and Operation

# Radio Operation (continued)

If stations cannot be located for all preset positions, those that are found will be allocated positions commencing with number 1, leaving the remainder not programmed. The display will show NO FM or NO AM if unprogrammed presets are selected.

To switch between the A MEM preset stations and your own presets, press and immediately release the A MEM button.

# A MEM with radio data system (RDS) selected

If the A MEM function is operated while in RDS mode, the radio will be muted briefly, while a search is made for the nine strongest RDS stations.

# Radio data system (RDS) and Traffic announcements (TA)

Jaguar sound systems are equipped with Radio Data System (RDS) which assists in locating and remaining tuned to a selected radio station. When tuned to certain stations on the FM waveband, the radio decodes signals transmitted, to provide the following functions (dependent upon the service available).

- RDS station name display:
   When RDS is selected the station name is displayed in eight characters.
- Automatic re-tuning to follow network stations:
  - RDS provides fully automatic radio tuning for network stations. It tunes to a signal not a frequency. RDS will locate the strongest signal available for a given station.
- RDS will automatically switch frequencies (AF Switching) as necessary. This function can be toggled off and on by pressing and holding the AM/FM button.
- RDS Station/Programme type display and search:
  - RDS displays information on the type of material broadcast by the station or programme that is on i.e. **News**, **Classical**, **Rock** etc. In addition to this function, the radio can search for a selected programme type.
- RDS Priority programme type auto re-tuning (where broadcast):
   Similar to Traffic Announcement this can be selected to interrupt and switch to the selected programme type e.g. News, for its duration.

- Local radio station Traffic Information (where broadcast):
  - RDS provides travel information relevant to the vehicle location. On learning of a traffic problem, the authorities inform the nearest local radio station.
  - The traffic announcement (TA) is then broadcast by transmitters in the relevant area.
  - Provided TA has been selected, traffic announcements will interrupt radio, cassette tape or CD/MD play, on all equipment with the RDS feature. If the volume control is set at minimum it will automatically increase to an audible level for the duration of the traffic news flash.
  - When the traffic announcement has been completed, the system reverts to the driver's original listening choice and volume setting.

# **Radio Operation (continued) RDS** operation



To activate RDS, press the TA button and hold for at least two seconds until RDS ON is displayed.

To de-activate RDS, press the TA button and hold until RDS OFF is displayed.

With the radio tuned to an RDS station and RDS activated, the radio gathers RDS information and displays the service name/data.

If the radio is not tuned to an RDS station, it will remain on that station and display the frequency, and RDS will remain on in readiness for a signal.

When listening to a national network station, or a station that broadcasts on more than one frequency, the radio will re-tune to the strongest available signal (AF Switching). This 'network following' will continue throughout the journey. (Unselected presets will also receive new frequency information, if appropriate.)

When RDS data is lost and no alternative frequency signal is available, the radio will stay on station, the display shows the frequency only and RDS remains on in readiness for the signal to recover.

If the RDS function does not respond correctly, see RDS Trouble-shooting Guide on page 2-9.

### TA operation

To activate TA: Press the TA button momentarily (less than two seconds).

**TA** will appear in the display. The radio then checks that the station has RDS TP (Traffic Programme); indicated by TP at the top of the display. If TP is not available on the current station, the display will show TP SEEK while it searches for a station that does have it.

If a TA station is not available, a beep is sounded and TA is removed from the display.

With TA activated, traffic announcements will interrupt radio, tape or CD/MD play. If set at a minimum, the volume will increase for the announcement, returning to normal setting afterwards. When receiving, the display will show TRAFFIC INFO.

To de-activate TA: Momentarily press TA.

#### Preset TA volume

When the radio is set to minimum volume and a traffic announcement occurs, the volume is raised to a preset level. This level can be adjusted by pressing and holding the MODE button for more than two seconds, then setting the volume level (which is displayed) between 1 (min) and 6 (max) by turning the volume control knob.

### Programme type (PTY)



This has two functions:

To display current station programme type and to select a programme type and re-tune to it.

Momentarily press the PTY button to display the current station programme type. Use the tuning buttons to cycle through the available programme types, press the PTY button again to activate a search for the selected programme type. If there is a station with the correct PTY then the radio will re-tune to it. If not, the radio will indicate NO PTY and return to the current station.

#### **Priority programme type (PPTY)**

Functions as an interrupt or as a 'PTY Following'.

Press and hold the PTY button to activate the selected priority programme type, PPTY. The radio will now wait for RDS information to indicate that a station has changed its programme type, i.e. to NEWS. The radio will now re-tune to the new station for the duration that it remains on that programme type.

If the current station is already on the selected priority programme type, then when this station is lost, the radio will attempt to find another with the correct programme type.

To cancel priority programme type, press and hold the PTY button, the PTY indicator will clear from the display.

**Note:** TA and PPTY interrupt feature is also available in tape, CD/MD audio modes.

## TA and priority PTY interrupt skip

Interruptions for Traffic Announcements, **NEWS** or other selected priority **PTY**, can be skipped by pressing **TA** during the interrupt. The radio returns to the previously selected audio source.

#### Note:

- Interrupt skip will not cancel activation of TA or PPTY and it will remain ready for the next interrupt.
- TA, PTY and Priority PTY features are reliant upon the broadcast information from radio stations, and may be much better in some areas than others.

#### PTY31-alarm (where broadcast)

When using the radio with RDS selected, a PTY31-ALARM service will operate, to alert on any crises of major national importance. When such a broadcast is made, ALARM will appear in the audio display.

# **RDS Trouble-shooting Guide**

Incorrect response from RDS	Reason and rectification
Radio does not display programme name.	Check that RDS is turned on by pressing and holding the TA button until the display confirms RDS ON. If the radio does not display a programme service name, it is not broadcasting RDS data, or you are in a poor reception area. Try re-tuning to another station with RDS.
Station name is lost and displays frequency only.	Radio has lost reception of the RDS data due to vehicle moving out of transmitter range, loss of signal in a tunnel, under a garage forecourt canopy, or similar screening. If the latter is the case, when the vehicle is clear of the screening, the station name will return after a short delay.
Upon operating A MEM, NO FM is displayed when most or all of the preset positions are selected.	The radio cannot locate nine FM, RDS FM or TP stations dependent upon the mode selected. If this occurs, switch off RDS or TA and reselect A MEM.
Upon pressing the TA button the radio re-tunes to another station and displays TP SEEK.	The station selected does not have <b>TP/TA</b> facility, the radio will re-tune to one that does.
Radio sound goes off and the display shows PI SEEK.	The RDS radio station selected is unable to confirm that the frequency tuned to has the correct RDS data – programme identification (PI). It will then seek for a frequency that has the correct data.
Radio 'beeps' and the display shows <b>NO TA/TP</b> and turns off <b>TA</b> .	The vehicle is in an area where <b>TA</b> broadcasts cannot be received from any FM stations. The radio will automatically de-select the <b>TA</b> feature.

# 2-10 Controls and Operation

# **Cassette Tape Player Operation**



The audio display will indicate which function has been selected.

Messages include:

SIDE1 UP1 Locate beginning of next

track on side 1.

SIDE1 DN1 Locate beginning of track

being played on side 1.

**SIDE1 REW** Rewind.

**SIDE1 FF** Fast forward.

LOADING Loading tape.

**TAPE EJECT** Ejecting tape.

TAPE CLEAN Tape mechanism

requires cleaning.

When loaded, a tape immediately plays and after playing one side, auto-reverses and plays the other. Equalisation of non-ferric tapes is automatically adjusted.

### Eject and tape-in indicator



When a cassette is inserted, the aperture door closes and a cassette icon is displayed. Press to eject the cassette.

#### **TAPE button**



If you are playing the radio or CD changer, pressing **TAPE** will play any cassette in the player.

This function can also be controlled by a button on the steering wheel (see page 2-1).

### Change tape side

While playing a cassette, press the TAPE button to change to the other side of the tape. This function can also be controlled by a button on the steering wheel (see page 2-1).

#### Fast forward and rewind





These controls have two functions, to seek a track, and tape fast forward or

rewind. Momentarily pressing the righthand button will locate the beginning of the next track. Similarly pressing the lefthand button, will return to the beginning of the current track. Pressing and holding the appropriate button for two seconds will activate continuous fast forward or rewind of the tape. This can be cancelled by pressing either button again.

### **Dolby B**



When using a cassette with a 'Dolby' recording, the noise reduction system can be

selected by pressing the DOLBY on/off button. **DOLBY** will be displayed to indicate the system is active.

Dolby noise reduction system is manufactured under licence from Dolby Laboratories Licensing Corporation. 'Dolby' and the double-D symbol are trade-marks of Dolby Licensing Corp.

# **Single CD Player Operation**



The audio display will indicate which function has been selected.

Messages include:

**LOADING** Loading CD.

**EJECTING** Ejecting CD.

MIX TRACKS Mix random tracks.

**REPEAT TRACK** Repeat current track.

#### **PAUSED**

#### **CUE/REVIEW**

Inserting a CD into the CD aperture will start immediate play. The display will show LOADING, followed by TR-01 00' 00". The CD symbol will also be displayed until the CD is ejected, regardless of the selected audio source.

#### **Eject and CD-in indicator**



When a CD is inserted, the CD icon is displayed. Press to eject the CD. The display will show **DISC EJECT** and the CD icon will be turned off.

#### CD button



If you are playing the radio or CD changer, pressing the CD button will resume playing

any CD installed in the player mechanism.

The audio display will show TR-NN MM' SS", where NN is the current track number and MM SS is the track time in minutes and seconds.

Pressing the CD button while in CD play mode will pause the current track, the display will show TR-NN PAUSE where NN is the current track number. A subsequent press of the CD button will resume play mode.

This function can also be controlled by a button on the steering wheel (see page 2-1).

#### MIX



To play random tracks from the disc, press and release the MIX button. MIX will be

displayed. To cancel, press the MIX button again.

#### **REPEAT**



Press and release **REPEAT** button to repeat the current CD track being played.

To cancel, press the **REPEAT** button again.

#### Seek up and down





This control selects seeking of tracks up or down. Momentarily press

the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks.

Pushing and holding either button selects cue and review of the CD.

**Note:** Sound level is reduced when cuing and reviewing a CD.

# 2-12 Controls and Operation

# MiniDisc (MD) Operation



The audio display will indicate which function has been selected. Messages include:

LOADING Loading MD.

**EJECTING** Ejecting MD.

MIX TRACKS Mix random tracks.

**REPEAT TRACK** Repeat current track.

#### **PAUSED**

#### **CUE/REVIEW**

Inserting a MD into the MD aperture will start immediate play. The display will show LOADING, followed by TR-01 00' 00". The MD symbol will also be displayed until the MD is ejected, regardless of the selected audio source.

# **Eject and MD-in indicator**



When a MD is inserted, the MD icon is displayed. Press to eject the MD. The display will show **DISC EJECT** and the MD icon will be turned off.

#### MD button



If you are playing the radio or CD changer, pressing the MD button will resume playing any MD installed in the player mechanism.

The audio display will show TR-NN MM' SS", where NN is the current track number and MM SS is the track time in minutes and seconds.

Pressing the MD button while in MD play mode will pause the current track, the display will show TR-NN PAUSE where **NN** is the current track number. A subsequent press of the MD button will resume play mode.

This function can also be controlled by a button on the steering wheel (see page 2-1).

#### MIX



To play random tracks from the disc, press and release the MIX button, MIX will be

displayed. To cancel, press the MIX button again.

#### **REPEAT**



Press and release **REPEAT** button to repeat the current MD track being played.

To cancel, press the **REPEAT** button again.

#### Seek up and down





This control selects seeking of tracks up or down. Momentarily press

the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks.

Pushing and holding either button selects cue and review of the MD.

Note: Sound level is reduced when cuing and reviewing a MD.

# Radio Set Up

This function enables the radio to be set to user operating preferences. By selecting SET UP and using the preset buttons, the owner or Jaguar Dealer can adjust certain radio functions. When in SET UP, pressing the relevant preset button, as detailed below, will display the facility selected and its state. The state of that facility can be changed by pressing the preset button again.

To enter SET UP: Press Tape Eject and AM/FM buttons simultaneously.

The display will show **SET UP**. The following preferences can then be selected or changed in any order, within a 15 second period. After 15 seconds the display will clear and exit **SET UP**.

- Preset 1 Press Preset 1 to enable or disable RDS, depending upon RDS availability in the user's country.
- Preset 2 On cassette tape models, this controls the Tape Clean reminder facility. To switch off this reminder, press the Preset 2 button until TAPE CLN OFF shows on the display.
- Preset 3 Blank.
- Preset 4 Blank.
- Preset 5 KEY OFF EJECT On cassette tape models, this sets the cassette tape to automatically eject when the ignition key is turned to **0**.

Preset 6 FM volume high (compensate for poor signal

strength).

**Note:** This feature is not available in North America, Australia and Japan.

Preset 7 Blank.

Preset 8 Blank.

Preset 9 Blank.

Preset 0 During initial factory installation, this is used to set the radio to one of the following regions: Europe, USA, Australia or Japan. Regional settings determine the correct frequency increments required for seeking stations, automatic tuning etc.

**Note:** The regions are preset at the factory. Should you require a regional change, consult your Jaguar Dealer.

# 2-14 Controls and Operation

# **Compact Disc (CD) Changer**

A CD changer (where fitted) is installed in the luggage compartment and will accommodate up to six discs, each mounted in a tray.

Caution: The 8 cm diameter discs and associated adaptors available in some countries must not be installed in the CD changer magazine. Any attempt to install these items can result in permanent damage to the CD changer mechanism.

### CD check sequence

When the CD Player is switched on, a check is performed on each disc tray in the CD changer magazine. When the six trays have been checked the player returns to the first disc in the magazine.

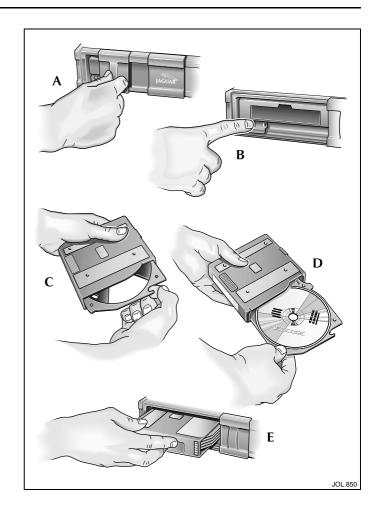
# Loading discs and inserting magazine

Loading a disc into a magazine tray:

Slide the magazine door to the right (A). Press the eject button (B), the magazine will then partly eject from the CD changer. Pull the disc tray from the magazine (C). Ensuring the playing surface is not touched, load a selected disc into the tray with the label facing upwards (D). Push the tray back into the magazine until it clicks. Tray slots are numbered 1 (bottom) to 6 (top).

# Inserting the magazine:

With the arrow mark facing upwards and pointing towards the CD changer, insert the loaded magazine into the CD changer (E) ensuring that it clicks into position. Close the sliding door. Keep the sliding door closed to prevent dust entering the playing mechanism.

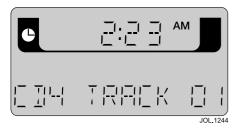


# Compact Disc (CD) Changer (continued)

### CD changer mode

The audio display indicates the CD and track being played, and CD status.

Below is an example of the display when playing track 1 from CD4.



Other messages:

CD1 LOADING - CD1 is being loaded. **NO DISC** – In the selected position. NO MAGAZINE - In the CD autochanger.

CD1 MIX 10 - The player is playing CD1 in MIX mode (track 10).

D MIX - All CDs are in MIX mode.

MAG EJECT – Magazine is being ejected.

PAUSED - The CD changer is paused and ready to play.

#### **CDC** button



Press CDC to select CD changer mode.

**Note:** Button labelled as **CD** for cassette and MiniDisc models.

This function can also be controlled from the appropriate button on the steering wheel (see page 2-1).

#### CD selection



Preset buttons 1 to 6 select the compact discs in those positions in the magazine. If there is no disc in the selected position, **NO DISC** will be displayed. If there is no magazine in the CD changer, NO MAGAZINE will be displayed.

#### MIX and CD MIX



To play random tracks from a selected disc, press and release the MIX button. MIX will be

displayed. To cancel, press the MIX button again.

To play random tracks from all discs present in the magazine, press the MIX button for two seconds. DISC MIX will be momentarily displayed, followed by D MIX. To cancel, press and hold the MIX button.

### Seek up and down





This control selects seeking of tracks up or down. Momentarily press

the right-hand button to skip to the next track. Repeated pressing will select further tracks.

The left-hand button returns to the beginning of the current track. Repeated pressing selects previous tracks.

Pushing and holding either button selects cue and review of the CD.

Note: Sound level is reduced when cuing and reviewing a CD.

# 2-16 Controls and Operation

# **Compact Disc (CD) Changer (continued)**

#### **REPEAT**



Momentarily press the **REPEAT** button to repeat the current CD track being played,

**R-ONE** will be displayed. To cancel, momentarily press the **REPEAT** button again.

Press and hold the **REPEAT** button for two seconds to repeat the current CD, **R-ALL** will be displayed. To cancel, press and hold the **REPEAT** button again for two seconds.

#### **Pause**



When playing a CD, press CDC button to pause play. Press again to continue play.