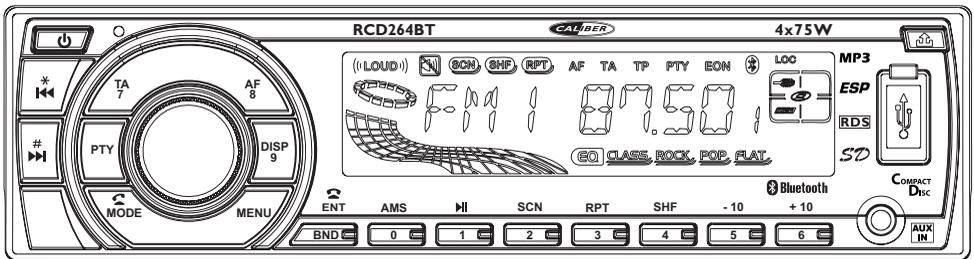




CD/MP3 PLAYER CAR FM STEREO RADIO

User's Manual

RCD264BT



- FM Stereo Radio
- RDS (Radio Data System) Function
- PLL Synthesizer Tuner
- Anti-Shock Mechanism
- Built-in Bluetooth hands-free System
- Support A2DP Function
- USB Port & SD/MMC Memory Card Slot
- LCD Digital Display
- Fold Down Detachable Panel
- RCA Out & AUX IN Socket
- 4 x 40 W High Power Output
- ISO Connectors for Power Supply and Speaker Outputs

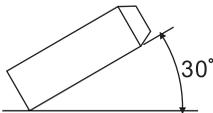
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Installation

Notes:

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance



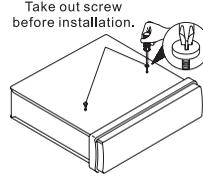
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

Din Front/Rear-Mount

This unit can be properly installed either from 'Front' (conventional DIN Front-mount) or 'Rear' (DIN Rear-mount installation, utilizing threaded screw Holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods.

Take Out Screw Before Installation

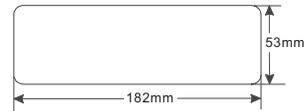
Before install the unit, please remove the two screws.



1. DIN FRONT-MOUNT (Method A)

Installation Opening

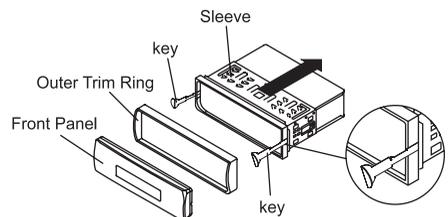
This unit can be installed in any dashboard having an opening as shown below:



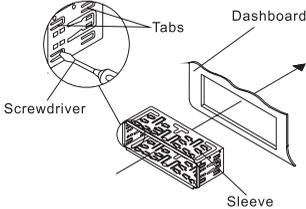
Installing the unit

Be sure you test all connections first, and then follow these steps to install the unit.

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Press the  button on the front panel and remove the control panel (For details, refer to 'using the detachable front panel').
4. Lift the top of the outer trim ring then pull it out to remove it.
5. The two supplied keys release tabs inside the unit's sleeve so you can remove it. Insert the keys as far as they will go (with the notches facing up) into the appropriate slots at the middle left and right sides of the unit. Then slide the sleeve off the back of the unit.



6. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend open the tabs located around the sleeve with a screwdriver. Not all tabs will be able to make contact, so examine which ones will be most effective. Bending open the appropriate tabs behind the dashboard to secure the sleeve in place.

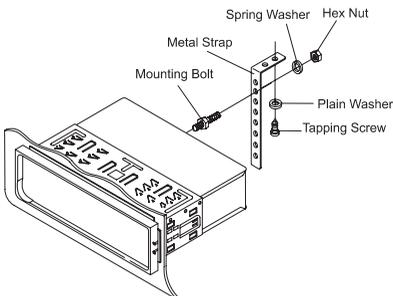


7. Reconnect the wire harness and the antenna and be careful not to pinch any wires or cables.

8. Slide the unit into the sleeve until it locks into place.

9. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and Spring Washer) to attach one end of the strap to the mounting bolt on the back of the unit. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied hardware (Tapping Screw (5x25mm) and Plain Washer) to attach the other end of the metal strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the unit.

Note: Install the short threading terminal of the mounting bolt to the back of the unit and the other long threading terminal to the dashboard.



10. Reconnect the cable to the vehicle battery's negative (-) terminal. Then replace the outer trim ring and install the unit's front panel (see the steps of 'to install the front panel').

Removing the unit

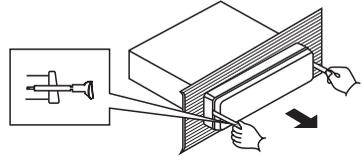
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.

2. Remove the metal strap attached the back of the unit (if attached).

3. Press the release button to remove the front panel.

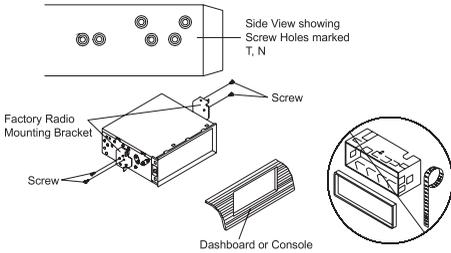
4. Lift the top of the outer trim ring then pull it out to remove it.

5. Insert both of the supplied keys into the slots at the middle left and right sides of the unit then pull the unit out of the dashboard.



2. DIN REAR-MOUNT (Method B)

If your vehicle is a Nissan, Toyota, follow this mounting instruction. Use the screw holes marked T (Toyota), N (Nissan) located on both sides of the unit to fasten the unit to the factory radio mounting brackets supplied with your vehicle.



Fasten the unit to the factory radio mounting brackets. Align the screw holes on the bracket with the screw holes on the unit, and then tighten the screws (5x5mm) on each side.

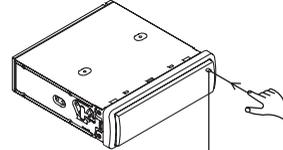
Note: the outer trim ring, sleeve and the metal strap are not used for method B installation.

Using the detachable front panel

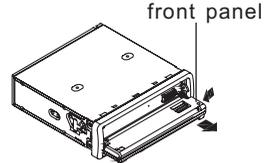
REMOVING AND PROTECTING DETACHABLE FRONT PANEL

The front panel of the unit may be removed as a theft deterrent. After removing the front panel, use the case provided to keep the front panel from getting damaged.

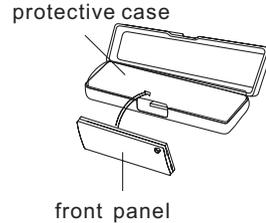
1. Press the OPEN  button to flip down the front panel.



2. Grasp the right side of the front panel, then gently push the front panel towards the left side before pulling it out from the unit.



3. Store the front panel in the protective case provided for safe keeping.

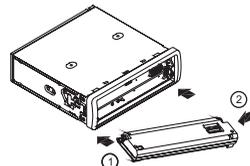


TO ATTACH THE FRONT PANEL

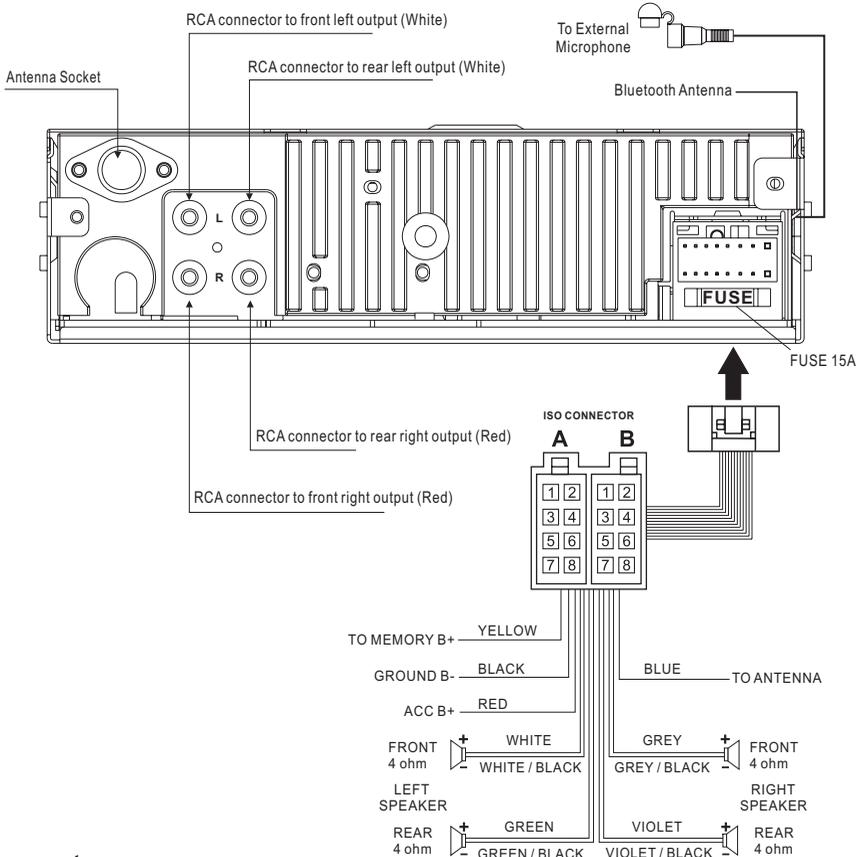
Hold the right side of the front panel with the plate facing down.

First attach the left side of the front panel to the unit by inserting the hole into the left holder.

Then slightly push it leftwards and attach the right side hole into the right holder. Finally push up the front panel.



Wiring Diagram



ISO connector:

Part A:

- A1: No Connect
- A2: No Connect
- A3: No Connect
- A4: Battery B+ (Yellow)
- A5: Antenna (Blue)
- A6: No Connect
- A7: Accessory (Red)
- A8: Ground B- (Black)

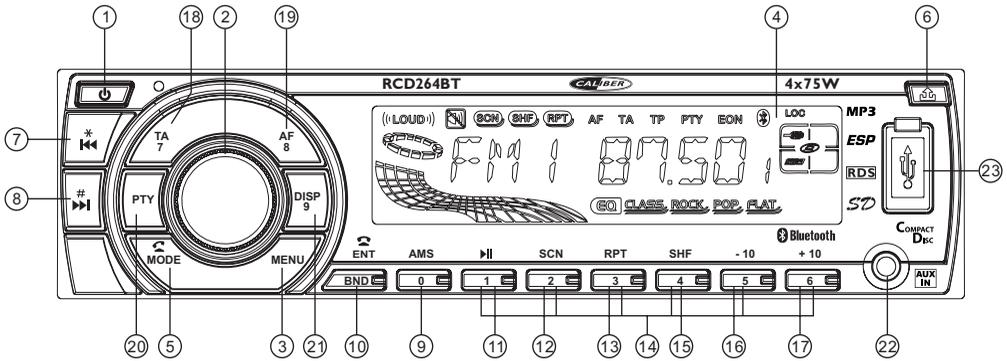
Part B:

- B1: Rear Right + (Violet)
- B2: Rear Right - (Violet/Black)
- B3: Front Right + (Grey)
- B4: Front Right - (Grey/Black)
- B5: Front Left + (White)
- B6: Front Left - (White/Black)
- B7: Rear Left + (Green)
- B8: Rear Left - (Green/Black)

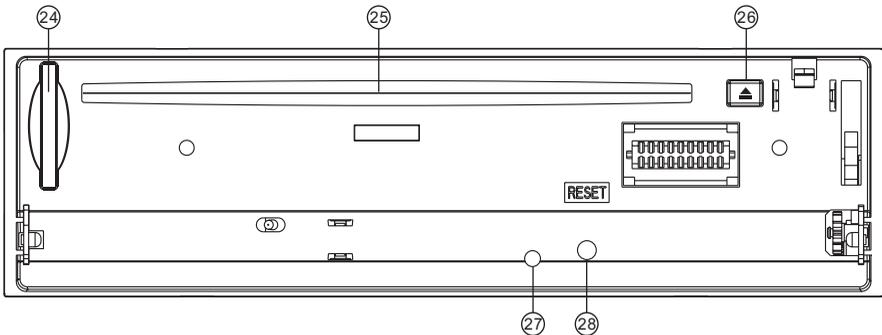
Operations

Location and function of controls

Front panel:



The car radio after removing the front panel:



Descriptions of Function Controls

- | | |
|---|--|
| <p>(1) Power on/off Button (⏻), Mute Button</p> <p>(2) Volume Control, Audio/Menu Selector (SEL)</p> <p>(3) TEL Menu Button (MENU)</p> <p>(4) LCD display</p> <p>(5) Mode / Button</p> <p>(6) Open () Button</p> <p>(7) DOWN ()/* Button
Tune down, Seek down, previous track, fast reverse</p> <p>(8) UP ()/# Button
Tune up, Seek up, next track, fast forward</p> <p>(9) AMS(Auto-storage/ Preset memory Scan) Button,
Numeric 0 Button, MP3 Search Button</p> <p>(10) BAND, , ENTER Button</p> <p>(11) Playing/Pausing () , Numeric 1 Button</p> <p>(12) Scan(SCN) Playback, Numeric 2 Button</p> <p>(13) Repeat(RPT) Playback, Numeric 3 Button</p> | <p>(14) Preset Station (1-6) Buttons</p> <p>(15) Random(SHF) Playback, Numeric 4 Button</p> <p>(16) Playing the -10 track, Numeric 5 Button</p> <p>(17) Playing the + 10 track, Numeric 6 Button</p> <p>(18) TA(Traffic Announcement), Numeric 7 Button</p> <p>(19) AF(List of Alternative Frequencies),
REG(Regional Program), Numeric 8 Button</p> <p>(20) PTY(Program Type) Button</p> <p>(21) DISP(Display), Numeric 9 Button</p> <p>(22) AUX Input Jack</p> <p>(23) USB Port</p> <p>(24) SD/MMC Memory Card Slot</p> <p>(25) Disc slot</p> <p>(26) Eject () key</p> <p>(27) Anti-theft LED Indicator</p> <p>(28) Reset Button</p> |
|---|--|

General Operations

Reset the unit

When operating the unit for the first time, after replacing the car battery or changing the connections, you must reset the unit.

1. Turn off the unit power.
2. Press the **OPEN** (▲) button and remove the front panel, then press the **RESET** button with a ballpoint pen or similar object to restart the unit.

Power on/off

In power off mode, switch on the unit by pressing any button except the **OPEN** button. When the system is on, press and hold the **POWER** on/off button (⏻) on the head unit or remote control for about 2 seconds to turn off the unit.

Sound adjustment

- Rotate the volume control to adjust volume level.
- Press the **SEL** button short and repeatedly to select the the sound setting that you would like to adjust: volume, bass, treble, balance and fader.
- Rotate the volume control to adjust level of the selected sound mode:

- VOL: 0, 1 ~ 44, 45
- BAS / TRE: -7, -6 ~, 0, ~ +6, +7,
- BAL: 8L, 7L, ~, 0, ~, 7R, 8R
- FAD: 8F, 7F, ~, 0, ~, 7R, 8R

Note:

1. In each mode, when the unit has not been adjusted for about 5 seconds, the current setting will be saved and it returns to the previous mode.
2. When using preset EQ modes, you cannot have access to Bass and Treble settings.

System menu

Press the **SEL** button and hold for more than 2 seconds to access system setup menu mode, then press the **SEL** button momentarily to select the menu items in sequence as follows:

“INVOL XX”(Initial Volume) → “ADJ XX:XX” (adjust the clock) → “BEEP ALL”(beep tone mode) → “TAVOL XX” (traffic announcement volume) → “EON ON” (EON on/off) → “DSP NONE” (equalizer mode) → “LOUD

OFF” (loudness on/off) → “LOC OFF” (local stations on/off) → “STEREO” (STEREO/MONO) → “ALRM ON”(Alarm on/off) → EXIT

After selecting the desired menu item, rotate the volume control to select the mode of the selected item.

INITIAL VOLUME:

“INVOL XX” will be visible on the LCD display, rotate the volume control to adjust the initial volume of this unit.

CLOCK ADJUST:

“ADJ XX.XX ” will be visible on the LCD display, rotate the volume control clockwise to adjust hour, rotate the volume control counter-clockwise to adjust minute.

BEEP TONE MODE:

The car audio device is equipped with 3 beep tone modes.

- **Beep ALL mode:** The beep sound is on when any key is pressed.

- **Beep 2nd mode:** The beep sound will be heard when you hold down a button with a dual function, which activates the second function of this button.

- **Beep off mode:** The beep sound is disabled.

Rotate the volume control to select one of the beep tone modes.

Traffic announcement volume:

This function allows you to define the minimum volume for the traffic announcements. The adjustable range is 0~45. The defaulted value is 17. Rotate the volume control to adjust the volume of the traffic announcements.

EON ON/OFF:

Rotate the volume control to choose EON ON or EON OFF.

DSP EFFECT:

The car audio device is equipped with 4 preset equalization modes. Rotate the volume control to select one of the EQ modes with following sequence:

DSP NONE (OFF) → CLAS(classical) → ROCK → POP → FLAT .

LOUD ON/OFF:

Rotate the volume control to choose loudness on or off.

LOCAL RECEPTION ON/OFF:

In urban areas, most stations are strong enough and "LOCAL ON" mode should be selected. Switch to LOCAL OFF mode to search for stations with weaker signals. Rotate the volume control to switch local reception ON or OFF mode.

STEREO/MONO:

FM station is received in stereo mode. However, if the signal is weak or reception is not as good as you would like, switching to MONO mode usually improves the overall sound quality. Rotate the volume control to choose stereo or mono audio effect.

ALARM ON/OFF

Rotate the volume control to choose ALARM ON or EALARM OFF.

Mute on/off

In power on mode, briefly press the **MUTE** button (Φ) to toggle mute on or off. The muted state will be also released when the Volume control, **MODE** button is used.

To select playback mode

In power on mode, press **MODE** button repeatedly to select the different modes as the following sequence: TUNER, DISC (with a CD/MP3/WMA disc inside the disc slot) , USB (with USB device inserted) , SD/MMC (with SD/MMC card inserted), AUX IN mode.

Last position memory feature

- During disc, USB, SD/MMC card playback, if you turn off the unit and then switch on it, the unit will resume playing from the point that it was interrupted.

- During disc, USB, SD/MMC card playback, if you switch to other mode, and then return the previous mode again, the unit will resume playing from the point that it was interrupted.

INFORMATION DISPLAY

Press the **DISP** button repeatedly to display as follows:

- When receiving an RDS station:

In radio mode: CT -> PTY (Type of program) -> PS (Name of the station) -> FREQUENCY ->

In CDP/USB/SD/MMC mode: CT -> PTY (Type of program) -> FREQUENCY -

>PS (Name of the station) -> Track number /Running time or other information ->

* If the unit does not receive CT or PTY information, the display shows "NO CLOCK" or "PTY NONE".

- When receiving a non RDS station:

In radio mode: CT -> PTY NONE -> PS NONE -> FREQUENCY ->

In CDP/USB/SD mode: CT -> PTY NONE -> FREQUENCY -> PS NONE -> Track number /Running time or other information

The selected information is displayed for 5 seconds, then the radio goes back to the first display mode after 5 seconds.

ESP Function

This CD/MP3 car radio has the electronic shockproof feature.

So that if the unit skips due to rough road conditions, the playback of the disc will be uninterrupted.

Anti-theft LED Indicator

Designed as a theft deterrent, the red LED will flash when the unit is turned off and face plate removed.

Radio operations

To select a radio band

In tuner mode, Press the **BAND** button repeatedly to select a radio broadcasting band you would like to hear. The FM band is toggled cyclically through the tuning bands: ->FM 1-> FM 2 -> FM 3 -> .

Auto/ Manual tuning

- Automatic search mode:

Briefly press the **▶▶** or **◀◀** button, the auto search will start. It will search upward or downward for the strong signal radio station within the current band. In auto tuning, press the **▶▶** or **◀◀** button to stop tuning. Pressing and holding the **▶▶** or **◀◀** button for about 2 seconds until "MANUAL" appears on LCD display, it will change into manual search mode.

- Manual search mode:

Press the **▶▶** or **◀◀** button short and repeatedly to manually search upward or downward step by step for the desired radio station within the current band.

In manual search process, if the both buttons haven't been pressed within 5 seconds, it will change into automatic search mode automatically, "AUTO" will be visible on the LCD display.

To store / recall a preset radio stations

You can store up to a total of 18 FM radio stations in the memory, manually or automatically.

- To store a station:

- Select a band (if needed)
- Select a station by **▶▶** or **◀◀** buttons
- Press and hold a preset button (1-6) which you want to store the station for at least 2 seconds, the current station will be saved into the relevant preset memory bank. When a RDS station is being stored, the relevant PI, PS, AF list are stored.

- To recall a station:

- Select a band (if needed).
- Press a preset button (1-6) briefly to recall the stored station. In case of RDS mode, the strongest AF is selected after AF searching.

Auto store / Preset scan

- Preset scan:

Short pressing the **AMS** button, it scans each preset stations in the memories of the current band. Each preset station will blink for 5 seconds with releasing mute, then go to next station, finally the radio will go to play the start preset station. Press the **AMS** again to stop preset scanning.

- Auto store:

Pressing the **AMS** button for more than 2 seconds, it will enter auto store mode. The whole band is scanned and the six strongest stations are stored into the preset memories, after scanning is finished.

RDS (Radio Data System) operations

Setting Alternative Frequencies

Press the **AF/REG** button short toggles AF mode on or off. There are 3 state the "AF" icon on the LCD display:

Icon "AF" off: AF switching mode off.

Icon "AF" on: AF switching mode on, and has RDS information.

Icon "AF" blink: AF switching mode on, but RDS information is not received yet.

When AF switching mode is selected, the radio checks the signal strength of the AF all the time. The interval of checking time of each AFs depends on the signal strength of current station, from a few minute for strong station to few seconds for weak station. Every time that new AF is stronger than current station, it switches over to that frequency for very short time. Because the mute time of AF switching or checking time is very short, it is almost inaudible in case of normal program. During FM mode, when AF is on, manual store, Auto store/preset scan function can only receive and save RDS program.

Regional Program Operation

Press the **AF(REG)** button for longer 2 seconds to toggle on or off region mode . Some broadcasting stations change their program from normal broadcasting to regional broadcasting for a certain time period.

When regional mode on, the radio accepts RDS stations with regional variants, the current listening program remains unchanged; When regional mode off, the radio ignores regional variants, it allows the reception moved to the regional station.

Using PTY select function

Pressing and holding the **PTY** button for more than 2 seconds to enter the PTY menu. The default type is NEWS. Rotate the volume control to select different PTY as follows:

NEWS -> AFFAIRS -> INFO -> SPORT->
EDUCATE -> DRAMA -> CULTURE ->
SCIENCE -> VARIED -> POP M -> ROCK M
-> EASY M -> LIGHT M -> CLASSICS ->
OTHER M -> WEATHER -> FINANCE
-> CHILDREN -> SOCIAL -> RELIGION
-> PHONE IN -> TRAVEL -> LEISURE ->
JAZZ -> COUNTRY -> NATION M ->
OLDIES -> FOLK M -> DOCUMENT ->
TEST -> ALARM -> NEWS

If no button is pressed for 5 seconds, it returns to normal state.

Using PTY Search Function

Press the **PTY** button briefly to toggle the PTY search on or off. When PTY search mode is on, and the **▶▶** or **◀◀** button is pressed, PTY search will be started. PTY search stops when it finds the station that has the selected program type, otherwise, the "NOT FND" (not found) will be visible on the LCD display. During the PTY search process, press any key to stop the PTY search.

Using the Traffic Announcement

Press the **TA** button to toggle **TA** mode on or off. Default is off.

- When TA mode is on, but no traffic announcement is transmitted, only TP icon blinks.

- When TA mode is on and TP signal is available from the current station, TP icon stops blinking and is turned on.

- When TA RDS signal is available from the current station, TA icon is turned on.

- When TA mode is on and a traffic announcement is transmitted:

- a. The volume set will be set to TA volume.
- b. It is possible to interrupt disc (CD/ MP3 / WMA), USB/SD/MMC, AUX IN or the current radio station mode, it will switch temporarily to radio mode.
- c. Text "Traffic" appears on the LCD

display.

- d. Return to original setting after the traffic announcement has been finished.
- e. When you insert a new media (DISC/SD/MMC/USB), TP mode will be forced to turn off automatically, and the mode will be changed.
- f. When you press the **MODE** button, TP mode will be forced to turn off automatically, and the mode will be changed.

TA interruption function

The current traffic announcement is cancelled by pressing this key. But the **TA** mode will not be off.

Note:

1. If TA is on, auto tuning function stops at the station where TA signal is available.
2. If PTY search is on, auto tuning function acts as same as PTY Search.
3. If AF is on, auto tuning function stops at the RDS station.
4. If PTY is on, PTY search will be done.

CD/MP3/WMA disc operations

Loading/Removing a Disc

1. Turn the power on.
2. Press the **OPEN** () button on the front panel to flip down the front panel then insert a disc into the disc slot with the printed side facing upward, the player will play the disc automatically.
3. To eject the disc, press the **OPEN** () button to open the front panel and then press the **EJECT** () button .

Playing/Pausing

In media (CD/MP3/WMA /USB/SD/ MMC or A2DP) playback mode, press the **▶||** button to interrupt the play back.

Press again to resume the playback.

Playing the previous/ next track

- In media (CD/MP3/WMA /USB/SD/ MMC or A2DP) playback mode, briefly press the **▶▶** button to play the next track.
- When played time of the current track or file is less than 2 seconds, briefly press the **◀◀** button to play the previous track.
- When played time is more than 2 seconds, press the **◀◀** button to play the current track from the beginning of the current track or file.

Playing forward and backward

In CD or MP3/WMA file playback process, press and hold the **▶▶** or **◀◀** button to fast forward or fast reverse. Release the buttons when the desired location is found, and normal playback starts.

Playing the 10 track up or down

In CD or MP3/WMA file playback process, press the **5 (-10)**, **6 (+10)** button to play the previous or next 10 track or file.

Introduction playback

You can play the beginning of each track or file for 10 seconds on the current disc in sequence.

In CD or MP3/WMA file playback, briefly press the **SCN** button to play the first 10 seconds segment of each one of current disc. Press again to stop scanning and play the currently selected track or file.

Repeat playback

In CD or MP3/WMA file playback, briefly press the **RPT** button to continuously play

the current track. Press again to stop repeat playback and resume normal playback.

Random playback

In CD or MP3/WMA file playback, briefly press the **SHF** button to play all tracks or files of the disc in random sequence. Press again to cancel random playing.

Select the track or file for playback in MP3 or WMA format

You can access 3 different types of track search modes for MP3/WMA format:

- File number search →
- File name search →
- Folder search →
- Exit

File number search mode:

a) In playback of files with MP3 or WMA format, press the **AMS** button once to access the file number search mode which allow you to quickly find a specific MP3/ WMA title by its serial number, and the "00*....." will be shown on the LCD display.

b) You can select a file directly, after entering file number search mode. Rotate the volume control to select the number of your favorite file with high speed. Finally press **BAND (ENTER)** button to confirm and play the selected file.

The file name search mode:

This file name search function requires only three character as search keyword, it will allow you to quickly find an MP3 title by its name.

a) To access this feature, press the **AMS** button twice, the "A*****" will be shown on the LCD display and the first character ("A") will be blinking.

b) Then change the blinking character by rotating the volume control. The character will be changed from "A" through "Z" and "0" through "9" in the order of A~Z and 0~9. Press the **SEL** button to confirm the character entered and advance to the next character.

c) When matched files was found, rotate the volume control or press the **▶▶** / **◀◀** button to change and select your desired file among these files with same search keyword, then

press the **BAND** (ENTER) button to start play the searched file.
If the file was not found, "NO MATCH" message will be visible on the display.

Folder search mode:

The folder search mode will allow you to quickly find an MP3 title under a specific group folder.

a) In playback of file with MP3 or WMA format, press the **AMS** button three times to access the first folder mode.

b) Rotate the volume control or press the ► / ◀ button to change and select your desired folder (If there are no root Folder in the disc, the LCD will display "ROOT")

c) Once the folder has been selected, press the **BAND**(ENTER) button to start play, the first the track or file of the selected folder will be played.

ID3 information of MP3 file

In playback of discs with MP3 format, the folder name, file name, title, artist and album information will be scrolling on the LCD display automatically.

Note:

As long as the current playing MP3 music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on the LCD display, otherwise, they will not appear.

Mixed-Mode CD operations

If available, the unit can play the mixed-mode CD disc (the disc contains both CD audio tracks and MP3/WMA files).

Under a default mode, the unit will first play all the MP3/WMA formatted songs and than play the CD formatted songs.

USB operations

The unit is equipped with a USB port on the front panel of the unit, you can connect a USB stick through the USB port.

Using the USB stick:

When you insert a USB stick through the port, the unit will search the MP3 files and start to play it automatically.

If insert a disc into the disc slot while read the file in the USB device, the unit will playing the disc first. If you want to play the file in the USB device, press the **MODE** button to switch to USB mode.

Note:

- Use the USB adaptor cable, if necessary.
- The operations of playing MP3/WMA files in the USB is the same as the MP3/WMA operation described in the CD/MP3/WMA disc operations.
- When reading the USB stick, please don't touch or remove it.
- If following the instruction above, the unit can't read the file in the USB stick, please check if the device is in good condition, or take it out then insert it into the USB port once more.
- The main unit can only support the standard USB-memory device.
- USB MP3 player is not a standard which means different brand name or different models have their own standard. So this product cannot support all MP3 players.
- When connecting an MP3 player and there is a normal battery in the player (non rechargeable battery), you should remove the battery from the MP3 player and then connect it to the USB port. Otherwise, it may cause battery burst.
- When reading a USB device, be sure not to remove it from the USB port (change mode beforehand).

SD/MMC card operations

This unit equipped with you a memory card slot.

Using the SD/MMC card:

When you insert a SD/MMC card into the memory card slot, the player will reading the SD/MMC card automatically.

If insert a disc into the disc slot while read the SD/MMC card, the unit will playing the disc. If you want to play the file in the SD/MMC card, press the **MODE** button to switch to SD/MMC mode.

SD/MMC memory card playing operation is the same with the MP3 operation described.

Note:

- When reading the memory card, please don't touch or take out the card.
- If following the instruction above, the unit can't read the card, please check if the card is in good condition, or take out the card and then insert it into the card slot once more.

Aux Input operations

This car radio has an external auxiliary input jack, it is compatible with audio output from an MP3 music player.

So you can listen to sounds and music from external devices, if you have plugged such a player into the AUX IN jack. Press the **MODE** button to switch to the **AUX** mode on or off.

Bluetooth hands-free function

When linking up your mobile phone to this bluetooth hands-free system, you can dial or receive calls via this bluetooth device while driving.

You can also transmit the audio data(music) from a bluetooth mobile phone to the CD/MP3 tuner.

Sound and pictures will automatically be turn off when there is an incoming call.

Voice comes from your car speakers and the built-in microphone receives your voice.

You have to active automatic call reception so that the mobile phone accepts incoming calls automatically.

(See the menu of the hands-free system)

In many countries, this is a prerequisite for legal operation of hands-free equipment while driving.

1. Pairing

1.1 During pairing, please activate your mobile phone and input pairing code "0000" and confirm in your mobile phone.

1.2 If pairing succeed, the "📶" will not flashing on the LCD display. Otherwise, the "📶" will flashing continuously on the LCD display.

NOTE:

After pairing has succeeded, if your phone supports auto-connect then it will connect automatically. If your mobile phone does not support auto-connect then you will have to manually connect.

2. Connect/disconnect

2.1 Connect

The bluetooth module of this car radio will connect to mobile phone automatically after pairing succeed. If connection succeeds, "CONNECT" will be visible on the LCD display, and the "📶" will not flashing on the LCD display. Otherwise, if there is a connection problem, the "📶" symbol will flash.

2.2 Disconnect

If bluetooth module has connected with your mobile phone, turn off the ACC power of the car or turn off the unit by pressing and holding the **POWER** button to disconnect the bluetooth connect.

If you would like to cancel the auto-connect function, please turn this unit on again. Once the word "WELCOME" appears on the LCD, press and hold the **TA(7)** button immediately, the word "DEL PAIR" will be shown on the LCD display and the "📶" icon will flash.

Note: When this pairing disconnection procedure is followed, all of the stored pairing data will be lost. If you want to restore the auto-connect function, please follow the pairing procedure to establish the new bluetooth connection.

3. DIAL CALL

3.1 Dial with the mobile phone directly.

3.2 Dial with the **0~9** numeric button.

3.2.1 When the phone is paired, press the and hold the "📶" button to activate the bluetooth mode,

3.2.2 Press the "**0~9**" buttons to input the telephone number. Simultaneously, the number being entered will appear on the LCD display. If a number is incorrectly input, press the "📶" button to delete it.

3.2.3 Press the "📶" button to start dialing.

3.3 Dial the last number

3.3.1 When the phone is paired, press the **MENU** button, the word "L-DIAL" will appear on the LCD display, press the **MENU** button again to start redialing.

4. Accept / Reject / End call

4.1 Accept a call

When you receive an incoming call, press the "📶" button to accept the call.

4.2 Reject a call

When you receive an incoming call, press the "📶" button to reject the call.

4.3 End of call

At the end of a call, press the "📶" button to hang up the current call.

5. Call Transfer

For privacy, during a phone call, you can transfer the conversation from your car audio to your phone by pressing and holding the "📶" button; press and hold the "📶" button again to return to car audio.

6. Caller ID

When you receive an incoming call, the call's number will be shown on the LCD display.

7. Bluetooth menu wizard

When the phone is paired, press and hold the **MENU** button to access bluetooth menu, then press the **MENU** button repeatedly to view item in the bluetooth menu.

The structure of the menu is as follows:

PRE NUM : Preset phone number list. you can save a total of 10 phone numbers.
RECEIVED: List of latest 10 received phone numbers.
DIALED: List of latest 10 outgoing phone numbers.
MISSED: List of the latest 10 missed-call phone numbers.
AUTO ANS(MANU ANS): Switch between auto answer or manual answer.

Press the **MENU** button to select the item. Press the **SEL** button to enter the current menu item. Press the "📶" button again to exit bluetooth menu.

a) Selecting from the preset number list:

You can select the next or previous phone number that saved in the preset number list by rotating the volume control.

b) Edit preset number list:

- Press the **SEL** to enter preset number list. You will see **NONE(0-9)** on the LCD display, if you haven't stored any phone numbers.
- Then press **SEL** button to enter editing status.
- Press the **0~9, #** or ***** to edit a phone number on the LCD display. Simultaneously, the entered number will appear on the LCD display. If a number is wrongly entered, press and hold the **⏪** button to delete the incorrect number.
- After the entire phone number has been entered, press the **SEL** button to save the phone number. Press the "📶" button to exit from phone editing status.

c) To dial a phone number on the menu list:

While browsing the preset number list, received list, dialed list or missed list by rotating the volume control, press the "📶" button to dial any phone number on the lists.

d) Setting auto or manual answer

Select auto answer or manual answer the coming phone by rotating the volume control after entering this menu item.

8. Using of the phone book function

When the phone is paired, press the **MENU** button to access bluetooth menu, the word "L-DIAL" will appear on the LCD display, then rotate the volume control to switch between "L-DIAL" and "P-BOOK".

After entering the phone book, rotate the volume control to view the "PB COPY", "PB READ" or "PB ERASE" on the LCD display

- "PB COPY"(Phone book copy):

After selecting the "PB COPY" by rotating the volume control, press the **MENU** button to enter the phone book copy mode, and the word "COPY 000" will appear on the LCD display. Simultaneously, the bluetooth connection will disconnected automatically. Then you can send a contacts from you bluetooth mobile phone to this unit via bluetooth. (Note : The detail operations please refer to the instruction manual of your bluetooth mobile phone.)

Press and hold the **MENU** button to exit the phone book copy mode. And the bluetooth connection will be restored automatically.

- "PB READ"(Phone book read)

After selecting the "PB READ" by rotating the volume control, press the **MENU** button to view the first contacts, and the name of contacts will appear on the LCD display, such as "John", "Lee", "Bell". Rotate the volume control to browse all the contacts that saved in this car radio. Press the "☎" button to erase the current contacts that saved in this car radio.

Press and hold the **MENU** button to exit the phone book read mode.

- "PB ERASE"(Phone book erase)

After selecting the "PB ERASE" by rotating the volume control, press the **MENU** button to erase all the contacts that saved in this car radio.

9. A2DP Function

If your mobile phone support A2DP function (Advance Audio Distribution Profile) which is designed for transmitting stereo music to bluetooth devices, you can listen to the

music stored in your mobile phone via the car audio.

9.1 The A2DP function is activated automatically when you activate in the mobile phone. Press the **MODE** button to switch to A2DP (BT AUDIO) mode from other source.

9.2 When playing A2DP, you can control playback by using the relevant function controls. Eg.:

- Play/pause by pressing ►|| button.
- Previous/next track by pressing ►|/◀◀ button.

Note:

While playing A2DP, if you make outgoing call or receive a incoming call, the A2DP function will be cancelled automatically , and you need to reactivate after phone call.

WARNING:

1. To get the best conversation quality, it is recommended that the distance between the mobile phone and the unit is within 3m. Please don't put any metal object or any other obstacles between the mobile phone and the unit.

2. Phones supported may have some incompatibility issues depending on the type & model. Due to numerous manufacturers and models of mobile handsets and the continual emergence of new mobile phones we are unable to offer an exhaustive list of bluetooth compatible phones.

Disc notes

A. Notes on discs:

1. Attempting to use non-standard shape discs (e.g. square, star, and heart) may damage the unit. Be sure to use round shape CD discs only for this unit.
 2. Do not stick paper or tape, etc. onto the label side or the recording side of any discs, as it may cause a malfunction.
- Dirty, dusty, scratched and warped discs will cause a malfunction.

B. Notes on CD-Rs (recordable CDs)/CD-RWs (rewritable CDs):

1. Be sure to use discs with following marks only for the unit to play:



2. The unit cannot play a CD-R and CD-RW that is not finalized. (Please refer to the manual of your CD-R/CD-RW recorder or CD-R/CD-RW software for more information on finalization process).
3. Depending on the recording status, conditions of the disc and the equipment used for the recording, some CD-Rs/CD-RWs may not be played on this unit (see *1).

- *1: To have more reliable play back, please see following recommendations:
- a. Use CD-RWs with speed 1x to 4x and write with speed 1x to 2x.
 - b. Use CD-Rs with speed 1x to 8x and write with speed 1x to 2x.
 - c. Do not play a CD-RW which has been written more than 5 times.

- d. The car radio supports discs which comply with the ISO 9660 level 1 or level 2 format, or the Joliet or Romeo format.

C. Notes on MP3 files

1. When naming a MP3 file, be sure the file name extension is 'MP3'.
2. For a non-MP3 file, even though the file name extension is 'MP3', the unit cannot recognize it.

D. Handling and Cleaning

- Dirty, dusty, scratched and warped discs will cause malfunctions.
- Do not place stickers or make scratches on discs.

- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damage.
- Do not place discs in the following places:
 1. Direct sunlight.
 2. Dirty, dusty and damp areas.
 3. Near car heaters.
 4. On the seats or dashboard.

Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, Use a soft cloth slightly moistures with isopropyl (rubbing) alcohol. Never use solvents such as benzene, thinner or conventional record cleaners as they may damage the surface of the disc.

Note:

A disc may become somewhat scratched (although not enough to make it unusable) depending on the way it is handled and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.



Label side up



Do not touch the underside of the disc



Do not bend

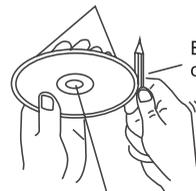


Wipe the disc from center toward the outside edge

E. Precautions when using new discs

A new disc may have irregularities. It will sometimes be necessary to remove these rough edges in advance by using a ballpoint pen or pencil as shown in the illustration.

Rough spots on outside edge



Ball point pen or pencil

Rough spots on inside edge

Trouble shooting

The following chart will help in solving most problems that may occur. If you still have questions after going through the checklist, please consult your local customer service representative. Before going through this check list, refer the wiring and operating procedures.

Symptom	Cause	Solution
No power	The car ignition switch have not turn on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse has been blown.	Replace a new one.
Disc can not be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc from the player, and insert a new one.
	Inserting the disc in reverse direction.	Insert the CD with the label facing upward.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
	Temperature inside the car is too high.	Cool off or until the ambient temperature return to normal.
	Condensation	Leave the player off for an hour or so, and then try again.
No sound	Volume is in minimum.	Adjust volume to a desired level.
	The wiring is not properly connected.	Check wiring connection.
Sound skips	The installation angle is more than 30°.	Adjust the installation angle less than 30°.
	The surface of CD is extremely dirty or has been scraped.	Clean the disc or try to replace a new one.
The operation keys do not work	1. The built-in microcomputer is not operating properly due to noise.	1. Press the RESET button to restore the program.
	2. The front panel has not properly installed.	2. Fixed the front panel into its place.
No radio reception.	The antenna cable is not connected.	Insert the antenna cable firmly into the antenna socket of this CD player.
In automatic search mode the radio does not stop at a transmitting station.	The transmission signals are too weak.	Select a radio station manually.

Specifications

1. GENERAL

Power Supply Requirements

DC 12 Volts, Negative Ground

Chassis Dimensions

178(W)x160(D)x 50(H) mm

Tone Controls

- Bass (at 100 Hz) ± 10 dB

- Treble (at 10 kHz) ± 10 dB

Maximum Output Power

4x40 watts

Current Drain

15 Ampere (max.)

2. CD PLAYER

Signal to Noise Ratio

> 55 dB

Channel Separation

> 40 dB

Frequency Response

20Hz - 20 KHz

Discs/files played

CD-DA, CD-R/RW/MP3/WMA

3. RADIO

FM

Frequency Coverage

87.5 - 108. 0 Mhz

IF

10.7 MHz

Sensitivity (S/N=30dB)

4 μ V

Signal to Noise Ratio

55dB(mono)

Stereo Separation

30 dB (65dBu, 1KHz)

