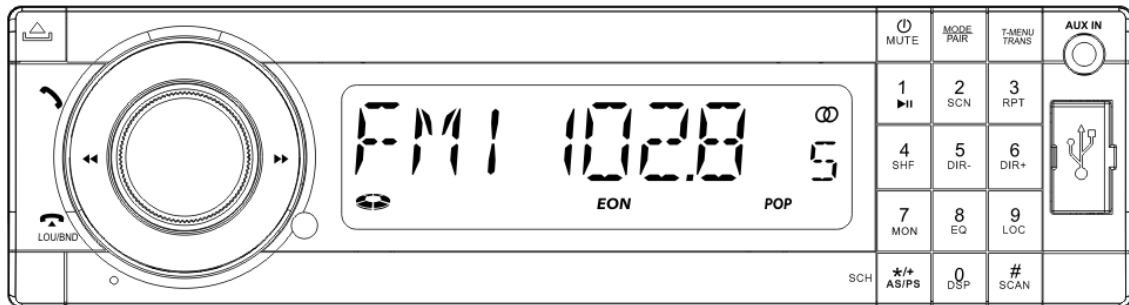*Lanzar*®

AQCD60BTS

OWNER'S MANUAL

Mobile Audio System

- **PLL Synthesizer Stereo Radio**

- **AM/FM/MPX PLL RADIO**

- **MP3/CD/CD-RW Compatible**

- **Automatic Memory Storing**

- **USB&SD/MMC Card Interface**

- **Fold Down Detachable Panel**

- **Auxiliary Input Function**

- **Bluetooth Hands-free function & A2DP (Advanced Audio Distribution Profile) Stereo Audio Transmission**

www.lanzar.com

CONTENTS

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 angel exceeds 30°from horizontal, the unit might not give its optimum performance.
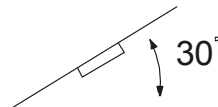
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

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.

Take out screw before installation.
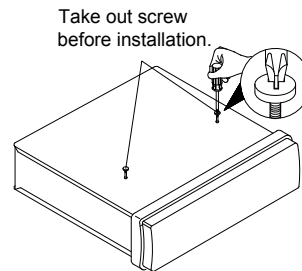
DIN FRONT-MOUNT (Method A)
Installation Opening

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

53mm

182mm
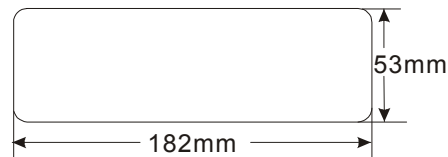
Installing the unit

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 release button on the front panel and remove the control panel (see the steps of "removing the 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.

Sleeve

L Key

Outer Trim Ring

Front Panel

R Key
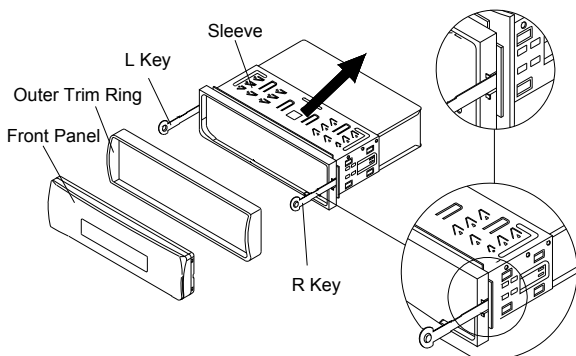
6. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend open the tabs located around the sleeve with a screwdriver. N will be able to make c examine which ones will effective. Bending open the a tabs behind the dashboard the sleeve in place.

Dashb

Tabs

Screwdriver
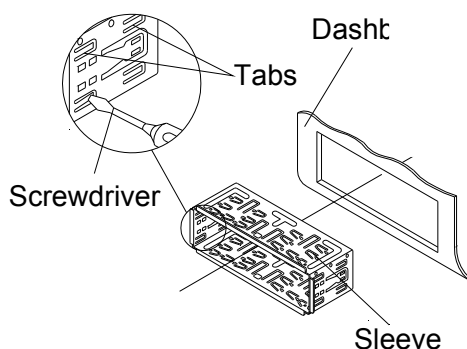
Sleeve

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 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 to install the short threading terminal of the mounting bolt to the back of the unit and the other long threading

Spring Washer Hex Nut

Metal Strap

Mounting Bolt

Plain Washer

Tapping Screw

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 "installing the front panel").
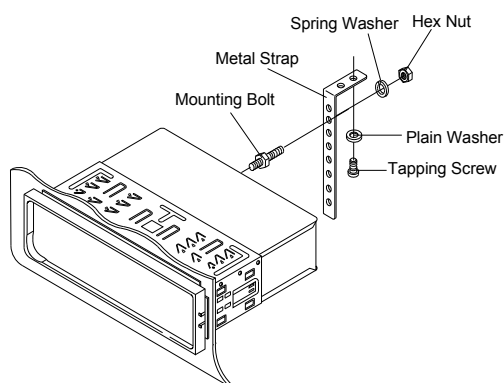
Removing the unit
1. Make sure the ignition is turned off, then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Remove the metal strap attached the back of the unit (if attached).
3. Press the release button to remove the

INSTALLATION

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.
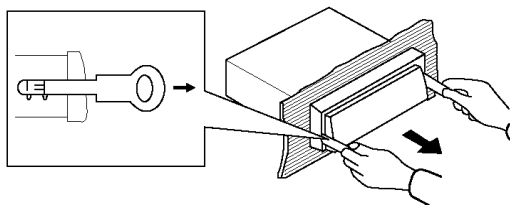
To fasten the unit to the factory radio mounting brackets.

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.

DIN REAR-MOUNT (Method B)

If your vehicle is a Nissan, Toyota, follow these mounting instructions.

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.

Side View showing Screw Holes marked T, N

Screw

Factory Radio Mounting Bracket

Screw

Dashboard or Console
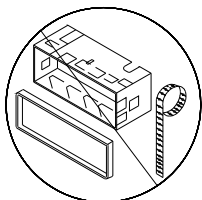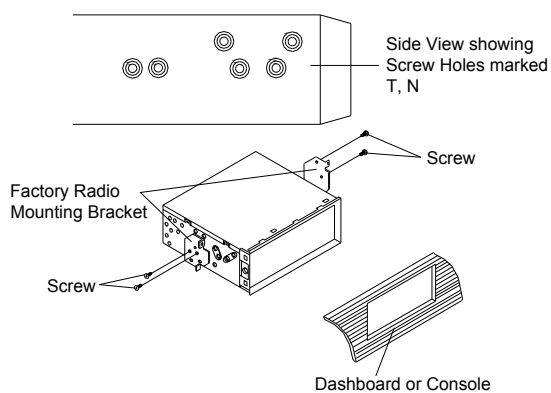
USING THE DETACHABLE FRONT PANEL

To Detach the Front Panel

1. Press the release (⏏) button, then the front panel will be folded down.

OPEN

2. To remove the front panel, lift it up at a little angle from horizontal position, then first pull out the right side and then pull out the left side.
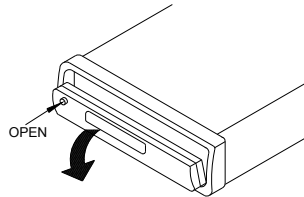

The left side

Front Panel

The right side
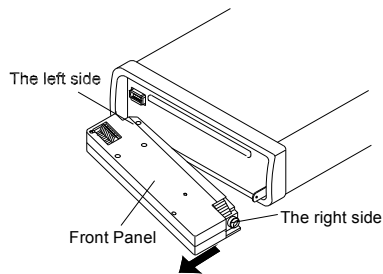
3. For safekeeping, store the front panel in the supplied protective case immediately after being removed.

Protective Case
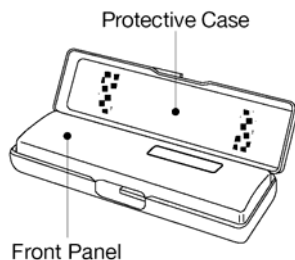
Front Panel

To Install the Front Panel

1. To install the front panel, first insert the left side into proper position then insert the

The left side

Front Panel

The right side
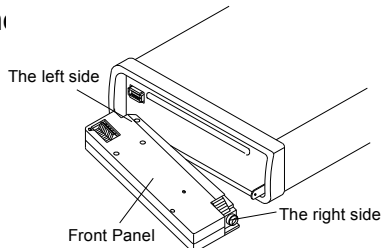
2. When the two sides fixed into place, push the front panel into main unit.
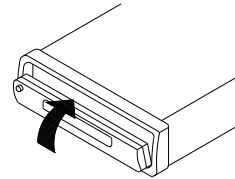
3. Note that if the front panel fails to lock in position properly, pressing control button may not function and the display may be missing some segments. Press the release button and then reinstall the front panel again.

Precautions when handling

1. Do not drop the front panel.
2. Do not put pressure on the display or control buttons when detaching or re-installing the front panel.
3. Do not touch the contacts on the front panel or on the main unit body. It may result in poor electrical contact.
4. If any dirt or foreign substances adhered on the contacts, they can be removed with a clean and dry cloth.
5. Do not expose the front panel to high temperatures or direct sunlight in anywhere.
6. Keep away any volatile agents (e.g. benzene, thinner, or insecticides) from touching the surface of the front panel
7. Do not attempt to disassemble the front panel.

WIRING CONNECTION

ISO CONNECTION

Part B

Part A

FUSE (15A)

Antenna Socket

L-ch WHITE

LINE OUT R-ch RED

4-SPEAKER SYSTEM

Rear Left Speaker	⊖ ⊖ (GREEN/BLACK)	8
	⊕ ⊕ (GREEN)	7
Front Left Speaker	⊖ ⊖ (WHITE/BLACK)	6
	⊕ ⊕ (WHITE)	5
Front Right Speaker	⊖ ⊖ (GRAY/BLACK)	4
	⊕ ⊕ (GRAY)	3
Rear Right Speaker	⊖ ⊖ (VIOLET/BLACK)	2
	⊕ ⊕ (VIOLET)	1

Ground Wire (Black) — 8

+12VAccessory/Switch (Red) — 7

PowerAntenna/AmplifierTurn On (Blue) — 5

Memory12 Volt Constant Power (Yellow) — 4
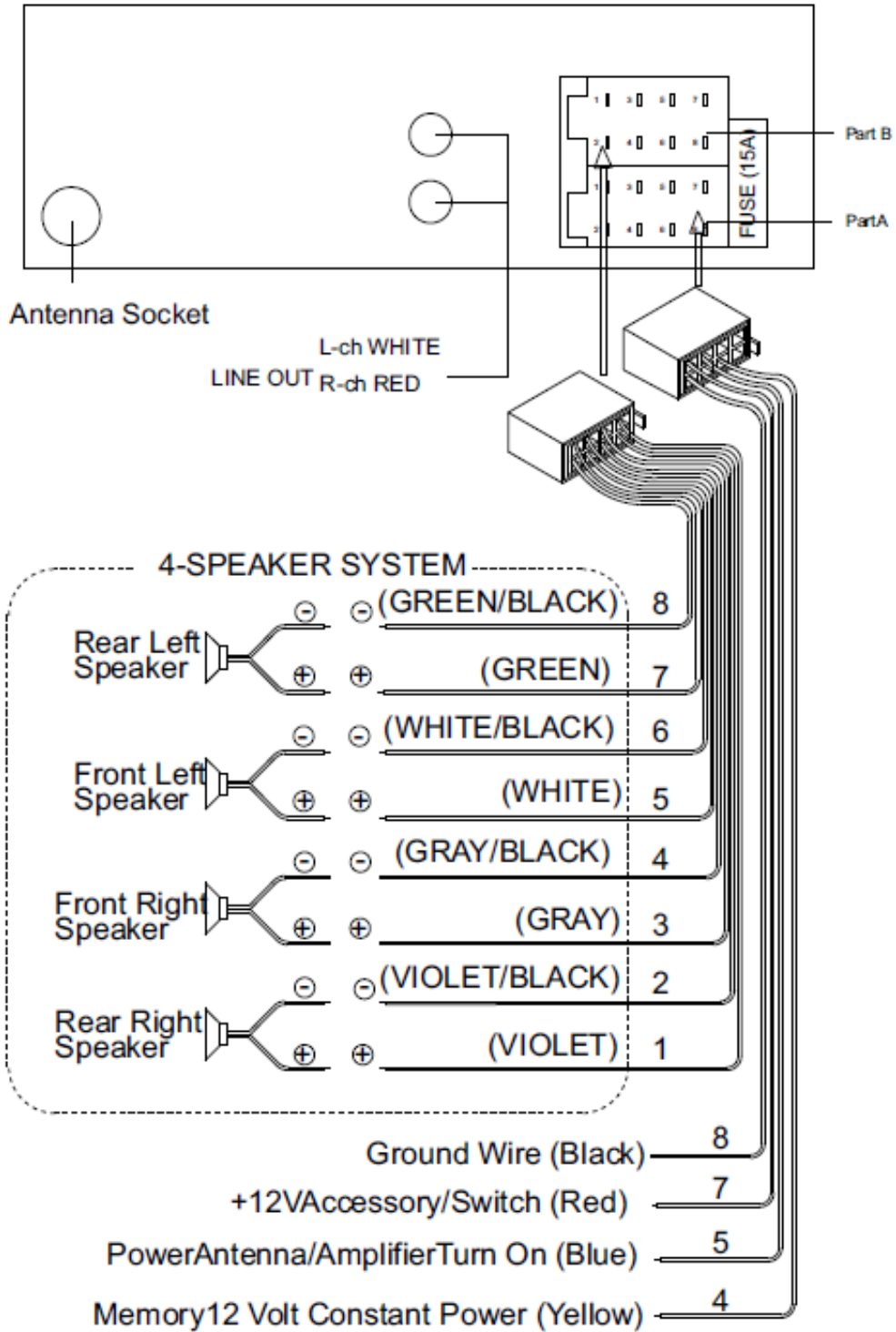
OPERATION

LOCATION OF KEYS
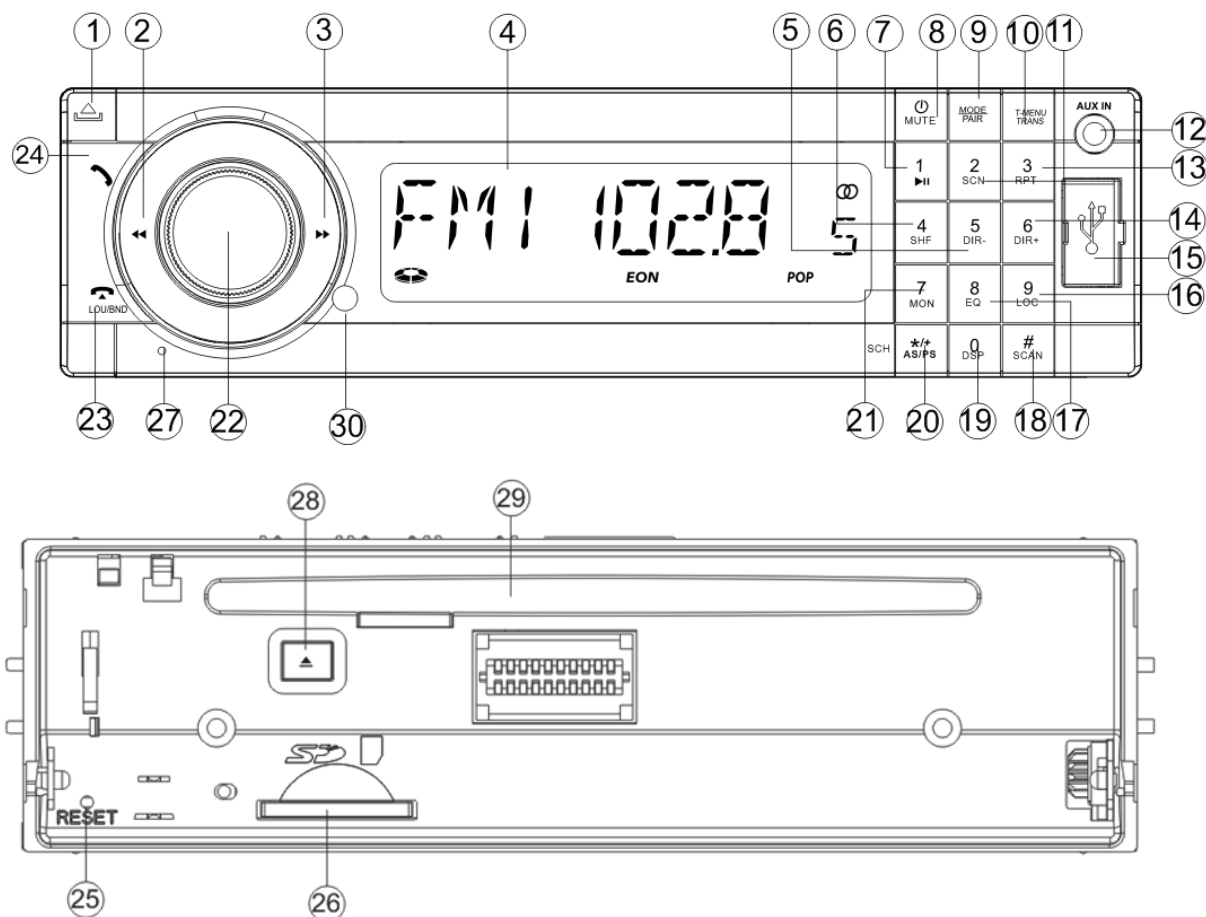
1. ⏏ (release button)
2. ◄◄
3. ►►
4. LCD
5. 5 DIR-
6. 4 SHF
7. 1►ǀǀ
8. ⏻ MUTE
9. MODE/PAIR
10. T-MENU/TRANS
11. 2 SCN
12. AUX IN
13. 3 RPT
14. 6 DIR+
15. .USB interface
16 .9 LOC

17. 8 EQ
18. SCAN/#
19. 0 DSP
20. */+/ AS/PS
21. 7 MON
22. VOL / SEL/MENU (Audio knob)
23. ☎ (hang up)/LOU/BND
24. ☎ (pick up)
25. Reset button
26. SD/MMC interface
27. Mic
28. eject button
29. disc slot
30. IR

OPERATION

BASIC OPERATION

SWITCHING ON/OFF THE UNIT
Press ⏻ button (8) to turn on the unit. When the unit is on, press and hold ⏻ button (8) to turn the unit off.

FACEPLATE RELEASE
Press ⏏ button (1) to detach the removable faceplate.

SOUND ADJUSTMENT
Shortly press **SEL** button (22) to enter AUDIO SETTING mode, use **SEL** button (22) to select the desired adjustment mode. The adjustment mode will change in the following order:
VOL / Bass / Treble / Balance / Fader (Exit)
Shortly press (22) to adjust the sound quality up or down step by step.
Shortly press **MUTE** button (8) will mute the sound, press it again will resume the sound.

LOUDNESS
Press **LOUD** button (23) for several seconds to switch loudness function on, and "LOUD" will appear on the LCD for several seconds. Press it for several seconds again to release this function.

DISPLAY
Press **DSP** button (19) to change display mode.

LOCAL
Press **LOC** button (16) to select between local and distant stations.
Local setting for reception of strong station, and a distant setting for reception of weaker stations. This function is effect during SEEK operation.

MONO
Press **MON** button (21) to select mono or stereo mode. You can sometimes improve reception of distant stations by selection

EQUALIZATION
Press **EQ** button (17) shortly to turn on equalization function and to select desired audio mode. There are five kinds of mode as below:

CLAS→POP →ROCK→EQ OFF

RESET FUNCTION
RESET button (25) must be activated with either a ballpoint pen or thin metal object.

The **RESET** button is to be activated for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

Note: if press **RESET** button (25), the unit can't work yet, please use a cotton swab soaked in isopropyl alcohol to clean the socket on the front panel.

MODE SELECTION
Shortly press **MODE** button (9) to change the mode among: Radio, USB, CARD, IPOD (optional), AUX and BT Audio.

SYSTEM SETTING
Press and hold **SEL** button (22) on the front panel to enter SYSTEM SETTING mode.

There are below items to adjust.

BEEP / P-VOL / AREA / HOUR 24H

Use **SEL** button (4) to select the item you want to change, and use **SEL** button (22) to change the corresponding setting.

1) BEEP ON/OFF:
   Beep on: There is a beep sound when buttons is pressed.
   Beep off: There is no beep sound when buttons is pressed.

2) P-VOL
   P-VOL: The max volume value when you turn on the unit. Such as when you set

OPERATION

the P-VOL to 40. If the volume value is small than 40 when you turn off the unit. Next time you turn on the unit. The volume will keep the last volume value. But if the volume value is large than 40 when you turn off the unit. Then next time you turn on the unit. The volume value will back to 40.

3) Area Europe/USA:

Use **SEL** button (22) to set the radio frequency to Europe frequency or USA

frequency.

4) HOUR 24/12

You can select time format to 12 hour or 24 hour format. (In AREA item. When you change the radio frequency to the EUR. The time format will be changed to 24 HOUR format automatically. When you change the radio frequency to the USA. The time format will be change to 12 HOUR format automatically.)

AUXILIARY INPUT

The unit can be connected to a portable audio player through the **AUX IN** jack (12) on the front panel. After finishing the connection, you can press **MODE** button (9) to switch the mode to AUX IN mode.

RADIO OPERATION

SELECTING THE FREQUENCY BAND

At radio mode, press **BAND** button (23) shortly to select the desired band.

The reception band will change in the following order:

FM1→FM2→FM3→AM

SELECTING STATION

Shortly press ►► / ◄◄ buttons (3/2) to activate automatic seek function. Press for several seconds until "MANUAL……" appears on the display, the manual tuning mode is selected. If both buttons have not been pressed for several seconds, they will return to seek tuning mode and "AUTO……"

appears on the display.

AUTOMATIC MEMORY STORING & PROGRAM SCANNING

- Automatic memory storing
  Press **AS/PS** button (20) for several seconds "SEARCH" will appear on LCD. the radio will search from the current frequency and checks the signal strength until one cycle search is finished. And then 6 strongest stations are stored into the corresponding preset number button.

- Program scanning
  Press **AS/PS** button (20) shortly to scan preset station. And the corresponding station number P1~P6 will flash on LCD.

SCAN

Press **SCAN** button (18) to enter scan mode, the unit will scan to higher frequency station and keep on each station for several seconds (the corresponding frequency will flash 5 times on LCD).

STATION STORING

Searched a station press preset button (1-6) for several seconds (until 2'nd beeps come out), current station is stored into the number button.

CD/MP3/WMA OPERATION

SWITCHING TO CD MODE

If there is no CD/MP3/WMA disc inserted into the driver:

Gently insert the CD/MP3/WMA disc with the printed side uppermost into the disc compartment until you feel some resistance. The disc will be drawn into the driver automatically. CD/MP3/WMA playback begins.

If a CD/MP3/WMA disc is already inserted in the driver:

Keep pressing **MODE** button (9) shortly.

SELECTING TRACKS

Press ►► / ◄◄ (3/2) will skip to the

OPERATION

previous/next file. File number will be showed on display.

Press and hold ▶▶/◀◀ (3/2) will fast reverse/forward. File play starts when you release the button.

PAUSING PLAYING

Press ▶ll button (7) to pause, and "Pause" will appear on LCD. Press it again to resume play.

PREVIEWING ALL TRACKS

Press **SCN** button (11) to play first several seconds of each file, and "SCN" will appear on LCD. Press again to stop scan and listen to file, "SCN" will disappear.

Press and hold **SCN** button (11) will play first several seconds of each file in the current folder, and "D-SCN" will appear, press it again will exit this mode.

REPEATING THE SAME TRACK

Press **RPT** button (13) to continuously repeat the same file. and "S-RPT" will appear on LCD. Press it again to stop repeat, and "S-RPT" will disappear.

Press and hold **RPT** button (13) will repeat all the files in the current folder. And "D-RPT" will appear on LCD. Press it again will exit this mode.

PLAYING ALL TRACKS IN RANDOM

Press **SHF** button (6) to play all files in random order, and "S-SHF" will appear on LCD. Press again to cancel the function, and "S-SHF" will disappear.

Press and hold **SHF** button (6) for 2 seconds will play all files (in the current folder) in random order. And "D-SHF" will appear on LCD. Press it again will exit this mode.

EJECTING A DISC

Press ⏏ button (28) to stop CD/MP3/WMA playing and eject the disc from the disc slot (29).

ESP FUNCTION (OPTIONAL)

The unit can be shockproof about 70 seconds around for MP3 /WMA.

SELECTING DIRECTORY UP/DOWN

Press **DIR-** button (5) or **DIR+** button (14) to select directory downward or upward. If the USB driver does not contain any directory, there is no function of pressing **DIR-** button (5) or **DIR+** button (14).

SELECTING TRACKS

☐ **Searching Track Directly**

Press AS/PS (SCH) button (20) for one time. It enters into "Searching track directly" mode.

The unit searches the track selected by following direct numeric buttons: **M1-M6, 7/MON, 8/EQ, 9/LOC, 0/DSP.**

Maybe you can rotating the button (22) to select the numbers.

If selected three digits, the unit searches the tract at once. If selected one or two digits, the unit wait for **BND/LOU** or **SEL** button for seconds. The unit searches the track after few seconds, even if the enter button is not pressed.

☐ **Searching Directory or File Name**

Press **AS/PS (SCH)** button (20) for two times. It enters into "Searching Directory or File Name" mode.

The unit searches files and directories that have the same character which is inputted by the user pressing the corresponding buttons listed on the below.

M3	G, H, I, 3
M4	J, K, L, 4
M5	M, N, O, 5/Directory DOWN
M6	P, Q, R, 6/Directory UP
MOD	S, T, U, 7
TUNE/SEEK/TRACK DOWN	V, W, X, 8

OPERATION

TUNE/SEEK/TRACK UP	Y, Z, SPACE, 9
PUSH SEL	CHARACTER SHIFT RIGHT
DSP	_,-,+,0
AUDIO KNOB	CHARACTER SELECT (A, B~8,9,0, _,-,+,)

Explain as follows:
- Use the corresponding buttons Or you can using button (22) to select the characters A to Z, blank, 0 to 9, _, -, +.
- Press **SEL** button (22) to confirm entry of each characters.
- Press **BND/LOU** button (23) to start the title search.
  In case the selected title is a directory name, display will show (' '), then use the buttons (22) to list all songs under this directory and select the title.
- Press **BND/LOU** or **SEL** button to confirm and start the play.
- Repeat the above steps if the newly selected title is again a directory.

☐ **Searching From Root Directory**
Press **AS/PS (SCH)** button (20) for three times. The unit searches file or directory from root by button (22). Display will list all available directories and songs. Select the desired directory/songs by using buttons (22) and **BND/LOU** or **SEL** button to confirm. If the selected title is a song, it starts to play. If the selected title is a directory name, display will show (' '), then
  - Use the buttons (22) to list all songs under this directory and select the title.
  - Press **BND/LOU** or **SEL** button to confirm and start the play.
  - Repeat the above steps if the newly selected title is again a directory.

☐ **Searching FILE From Current Directory**

Press **AS/PS (SCH)** button for four times. The unit searches file or directory from current directory by button (22). The currently playing file name is displayed. User can select the file by button (22). After selected a file. Pressing **BND/LOU** or **SEL** button to play. If you would like to listen to a song which is in different directory. Pleases select (' ') and press SEL button. Then you can select desired directory and press SEL button to enter it. After selected a song then press **BND/LOU** or **SEL** button to play.

DISPLAY ID3 INFORMATION
Press **DSP** button (19) to show the ID3 TAG (title, artist and album).

SUPPORT MP3/WMA DECODING MODE
The main unit supports MP3/WMA (Windows Media Audio) decoding modes as below.

Standard	Bit Rate (kbps)	Supports Mode
MPEG1 Audio Layer 3 (44.1kHz)	32,48,64,96, 128,192,256, 320	Stereo
Windows Media Audio (44.1kHz)	64,96,128,192	Stereo

The USB solution can support:
1. Folder: 500 max.
2. File: 999 max.
3. Depth of folder: 8 layers
4. Size: 2 GB

DISC NOTES

A. Notes on discs:
1. Attempting to use non-standard shape discs (e.g. square, start, and heart) may damage the unit. Be sure to use round shape CD discs only for this unit.

Do not stick paper or tape, etc, onto the

OPERATION

2. label side or the recording side of any discs, as it may cause a malfunction.
3. Dirt, dust, scratches and warping discs will cause 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 for more than 5 times.

C. Notes on MP3 files (MP3 Version Only):

1. The disc must be in the ISO9660 level 1
2. or level 2 format, or Joliet or Romeo in the expansion format.
3. When naming a MP3 file, be sure the file name extension is ".MP3".
4. For a non-MP3 file, even though the file name extension is ".MP3", the unit cannot recognize it.

USB PLAY OPERATION

In the front panel of the unit, there is an USB interface (15). You can connect an USB driver through this interface (15). When you connect an USB driver through the interface, the unit will search the MP3 files or WMA files in the USB driver and start to play MP3 files or WMA files automatically.

If in other mode, you can also press **MOD** button (9) to select USB mode.

Note：

● The main unit can only support the standard USB-memory disc which is approved by Microsoft.
● USB MP3 player is not a standard which means different brand name or different models have their own standard. So our product cannot support every MP3 player.
● When connecting an MP3 player and there has normal battery in the player (non rechargeable battery), you should remove the battery from the MP3 player then connect it to the USB interface. Otherwise, it may cause battery burst.

SD/MMC OPERATION (OPTIONAL)

According to the customer's need, the unit will add a SD/MMC interface. See below, the SD/MMC interface is on the housing of the unit.

When you insert a SD/MMC card in the SD/MMC interface, the unit will search the MP3 files or WMA files in the card and start to play MP3 files or WMA files automatically. The operation is the same with the MP3 operation described above. If in other mode,

you can also press **MOD** button (9) to elect

OPERATION

SD/MMC mode.

CAUTION

When there are important files in the USB device or SD card. Do not connect it to the main unit to play. Because any wrong operation may cause files loss. And our company assumes no responsibility for this.

IPOD operation

Select Category

When IPOD is playing, Press **BAND** button (6) the category will appear on the display, Rotating the volume knob (22) to change the category among PLAY LIST / ARTIST / ALBUM / GENRE/SONG / COMPOSER, then press **SEL** button (22) to confirm the selected category.

Select Song

Press **BAND** button (23), the display will show the current catalog. Rotating the volume knob (4) to change the song title to the next song or the previous song. Then press **SEL** button (22) to play the selected song.

PAU (Pause)

When playing a song, press button (7) will pause the playing. Press it again will resume playing.

RPT (Repeat)

When playing a song, press **RPT** button (13) shortly will repeat the current song, and "S-RPT" will appear on the display. Press it again to exit this mode. Press it for about 2 seconds to repeat Album, and "D-RPT" will appear on the display. Press it again to exit this mode.

SHF (Shuffle)

When playing a song, press **SHF** button (5)

shortly, after the current song play to the end, It will play the song in current category in random order, and "SHF" will appear on the display. Press it again to exit this mode. Press it for 2 seconds to play all songs in the album and "D-SHF" will appear on the display Press it again to exit this mode.

TUNE/TRACK UP/DOWN

When playing a song, press ►► / ◄◄ button (3/2) will play the next / previous track in the current category, but you can not enter to the next category.

When play a song more than 3 seconds. Press ◄◄ button (2) will back to the start position.

When play a song less than 3 seconds, press ◄◄ button (2) will play the previous track.

When playing a song, press and hold button ►► / ◄◄ (3/2) for several seconds will fast forward / reverse of the playing. And the display will show the playing time (e.g. 1'20).

BLUETOOTH OPERATION

- **PREPAIR FOR BLUETOOTH OPERATION**

  (i) When use Bluetooth, please make sure the mobile phone supports Bluetooth function.

  (ii) For the different kind of mobile phone, Bluetooth emissive power has some difference. To get the best conversation quality, it is commended that the distance between the mobile phone and the unit is within 3m. And

  please don't put any metal object or any obstacle between the path of the mobile phone and the unit.

- **PAIRING**

OPERATION

1) In any mode, press and hold **PAIR(MODE)** button (9) on the front panel, "PAIRING" will appear on the LCD.

2) On the mobile phone, select the Bluetooth set up. (Please refer to the

instruction manual of your mobile

phone on how to operate Bluetooth.)

3) "CARBT" should appear in the list on your mobile phone, please select "CARBT" and then input password "0000" .

4) When successful paired, "CONN OK!" will be displayed on LCD.

5) When pairing failed, "PAIR END" will be displayed on LCD. You can press and hold PAIR button (1) to try the pairing again.

6) Note:

During Pairing, MODE key will no functional during pairing mode. When pairing, you can press **PAIR** button (9) to terminate the pairing.

- **CONNECT**

This unit is built-in auto-reconnection function. Every time when you short press ☏ button (24), the unit will auto reconnect with the mobile phone (note: the mobile phone must have been paired with the unit before.).

In the following conditions you can reconnect manually by pressing **RECON** button (25) for several seconds, when reconnect is successful "Conn OK!" will be displayed.

1) If the mobile phone is out of range,

the connection will be lost, when you come back to the unit, reconnection is necessary.

2) When the mobile phone is out of

range from the unit, and there is an incoming call, when you come back to the unit, and you want to transfer the audio to the unit, you need to reconnection.

3) When you press ⏏ button (1) to

release the front panel, the connection

will be break off. When you install the front panel, you need to reconnection.

4) If you turn off the mobile phone that has paired with the unit, when you turn on the mobile phone, you need to reconnection.

- **T-MENU**

When successful paired, shortly press **T-MENU** button (10) on the front panel will enter the telephone menu, keep pressing this button or press ◄◄/►► button (2/3) to change the items in this menu. The items will be displayed in the following sequence: PRE NUM/ RECELVED / DIALED / MISSED / PHONE BK / MANU ANS / TALK.

The details please see the following instruction.

1) RRE NUM: You can save 10 phone-call to the phonebook 1. In PRE NUM mode, rotating button (22) to select the NUMBER. Then press SEL button, and enter the phone number. Then press SEL button again to save it to phonebook 1.

If you want to delete a number from phonebook 1. After Selected the number then press and hold BND/LOU/ ☏ key for 2 seconds. The number will be deleted.

2)RECELVED: Display the last call you have received (memory 10 numbers).

3) DIALED: Display the last dialed

number (memory 10 numbers).

4) MISSED: Display the call you have missed (memory 10 numbers).

5) PHONE BK: You can copy 20 phone

numbers from mobile to the phone

book of the unit via Bluetooth

transmitted.

The way is: In mobile phone --> enter

phonebook --> more --> send via

Bluetooth --> select number --> send.

If you want to delete a number from phonebook 2. After Selected the number then press and hold BND/LOU/ 🕾 key for 2 seconds. The number will be deleted.

6) MANU ANS (manual answer):

You can set Answer mode to manual answer (MANU ANS) mode or Auto Answer (AUTO ANS) mode.

In auto answer mode, when a call coming the Phone Number will appear on LCD. The unit will answer the call automatically.

In **MANU ANS** mode, when a call coming, the Phone Number will appear on LCD. you can press 🕾 button (24) to answer the call, or press 🕾 button (23) to reject the incoming call.

7) TALK (00~20):

You can setting the bluetooth volume in TALK 00 item. If it is 00, When there is a call coming. the main volume will set to 60 automatically. If you set TALK to 20. The main volume will set to 100 automatically when a

call is coming.

Example:

TALK volume		MAIN volume
00	=	60
01	=	62
02	=	64
……………………..		
20	=	100

- **MAKING AN OUTGOING CALL**

1) Making an outgoing call from SPEED DIAL, RECEIVED LIST, DIALED LIST, MISSED LIST, PHONE BOOK(Mobile Phone) and PHONE BOOK(SIM Card) please refer to the **T-MENU** section.

2) Making an outgoing call by inputting the phone number manually. Press 🕾 button (24) on the front panel "CALL_" will appear on LCD. Use 0~9, *, # buttons to enter the phone number you want to dial. (Note: shortly press * button will input "*" character, press and hold it will input "+" character). Then press 🕾 button (24) again will call the number.

Note: if you input the wrong number, shortly press **CLR** button will clear it. Press and hold **CLR** button will clear all numeric.

- **TRANSFER THE CALL BETWEEN MOBILE PHONE AND THE UNIT**

During the talking mode, you can press and hold **TRANSFER** (**T-MENU)** button (10) to transfer the phone call between

the mobile phone and the unit.

Note:

1) If you transfer the call to mobile

phone, the mute of the present mode will be released at the same time.

2) When making an outgoing call, it's not possible to transfer if the call is not being answered yet.

- **BT reset**: : In BT AUDIO mode. Press and hold BND/LOU/ ☎ key for several seconds. Some of the bluetooth information and phone numbers will be lost.

- **BLUETOOTH AUDIO (A2DP FUNCITON)**

    The unit supports Bluetooth audio function. If your mobile phone can play stereo audio, when the paring is ok, you can choose the unit you have paired to play the stereo music.

    M1, M2, button on the front panel of the unit serves as PAUSE/PLAY and STOP control button. (It is up to the mobile phone, the different mobile phone has the different define.)

    Use ◄◄/ ►► button (2/3) on the front panel of the unit to choose the previous/next track. (It is up to the mobile phone, the different mobile phone has the different define.)

SPECIFICATION

GENERAL

Power Supply Requirements   : DC 12 Volts, Negative Ground

Chassis Dimensions   : 178 (W) x 107 (D) x 50 (H)

Tone Controls

- Bass (at 100 Hz)   : ±10 dB
- Treble (at 10 kHz)   : ±10 dB

Maximum Output Power   : 4x60watts

Current Drain   : 15 Ampere (max.)

RADIO

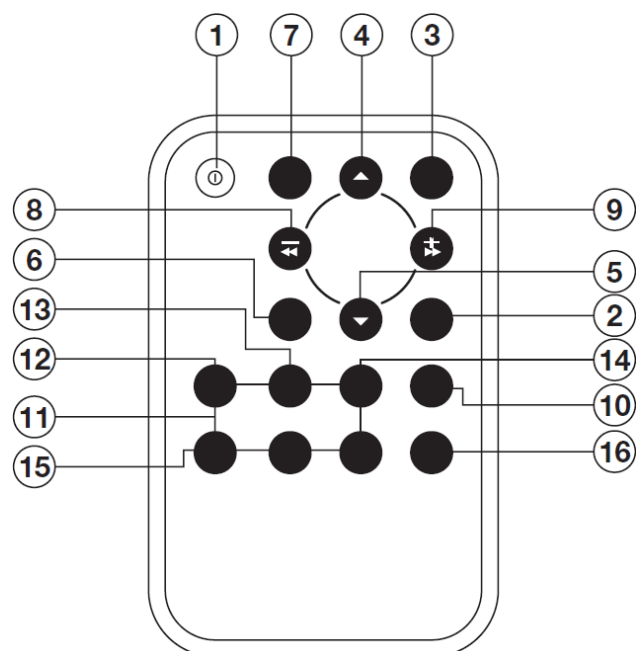**For 2 Bands**

FM

Frequency Coverage   87.5 a 108 Mhz

IF   10.7MHz

Sensitivity (S/N=30dB)   4µV

Stereo Separation   >25dBu

AM

Frequency Coverage   520to 1710kHz

IF   450kHz

Sensitivity (S/N=20dB)   38dBu

REMOTE CONTROL HANDSET(OPTIONAL)

FUNCTION KEY & CONTROL

-	POWER	Power ON/OFF Button
-	DSP(0)	Display Button(_,-,+,0 For MP3/WMA Operation)
-	SEL	Sound Mode Select Button
		(Character Shift Right For MP3/WMA Operation)
-	VOL	Volume Up Button
		(Character Select (A,B~8,9,0)For MP3/WMA Operation)
-	VOL	Volume Down Button
		(Character Select(A,B~8,9,0)For MP3/WMA Operation)
-	BND(LOU/ENT)	Band Select Button(When pressed shortly)
		Loudness Button (When pressed long)
		(Enter Button For MP3/WMA Operation)
-	MODE(7)	Mode Button(S,T,U,7,For MP3/WMA Operation)
-		TUNE/SKIP/CH ◄◄ (8) Tune/SKIP Down Button(V,W,X,8 For MP3/WMA Operation)
-	TUNE/SKIP/CH ►►ǀ (9)	Tune/SKIP Up Button(Y,Z,SPACE,9 For MP3/WMA Operation)
-	AS/PS(D-AUD)	Automatic Memory Storing & Program Scanning Button
		(Mode Select Button For MP3/WMA Operation)
-	M1-M6	Preset Buttons (A~R,1~6,For MP3/WMA Operation)
-	PAU	Pause Button (A,B,C,1 For MP3/WMA Operation)
-	SCN	Scanning Button(D,E,F,2 For MP3/WMA Operation)
-	RPT	Repeat Button(G,H,I,3 For MP3/WMA Operation)
-	SHF	Shuffle Button (J, K, L 4 For MP3/WMA Operation)
-	LOC(S-MOD)	Local/Distant Select Button

TROUBLE SHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power.	The car ignition switch is not 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 is blown.	Replace the fuse.
	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, then try again.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
Sound skips.	The installation angle is more than 30 degree.	Adjust the installation angle less than 30 degree.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the RESET button. Front panel is not properly fix into its place.
The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.