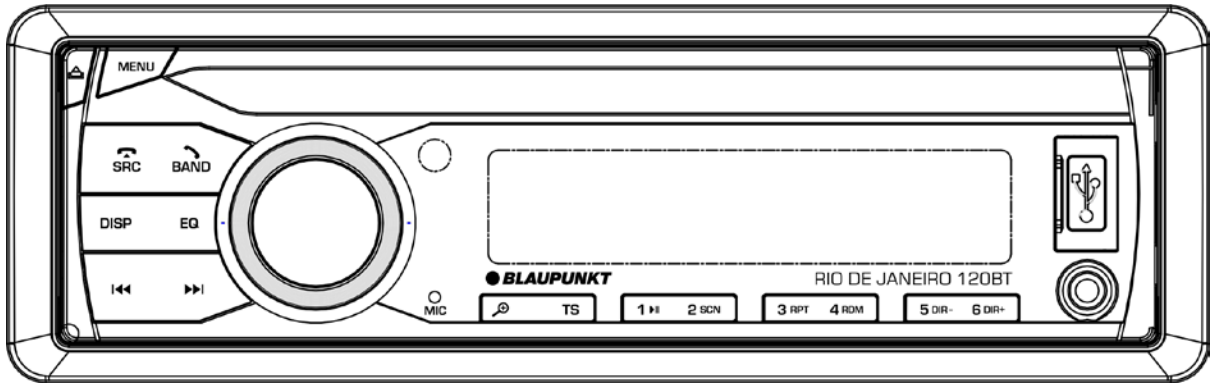# OWNER'S MANUAL
Mobile Audio System

RIO DE JANEIRO 120BT

- **PLL Synthesizer Stereo Radio**

- **MP3/WMA Player**

- **Full Detachable Panel**

- **USB/ SD Interface**

- **3.5mm Jack Input**

- **Bluetooth function**

- **Remote control function**

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.
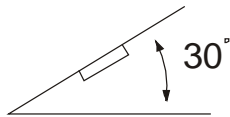

- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

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.

DIN FRONT-MOUNT (Method A)
Installation Opening

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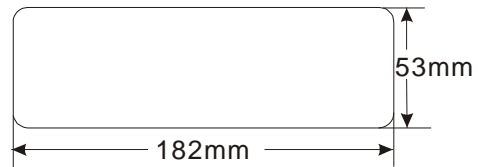
Installing the unit

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 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.
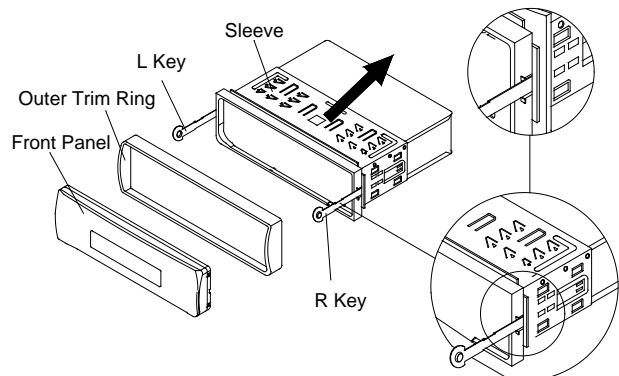
INSTALLATION

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.
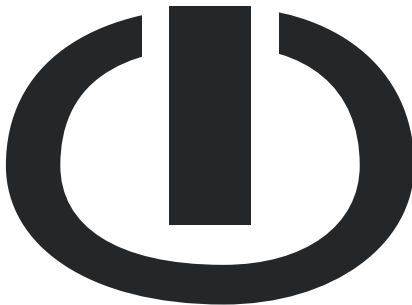
7. Reconnect the wire harness and the antenna and be careful not to pinch any wires or cables.
8. Slide the unit into the sleeve until it locks into place.
9. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and 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 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 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 "installing the front panel").
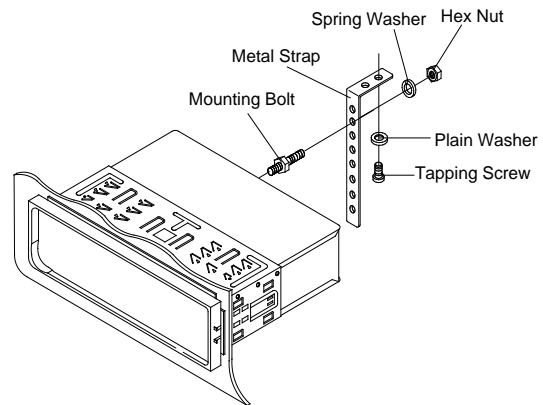
Removing the unit

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 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.
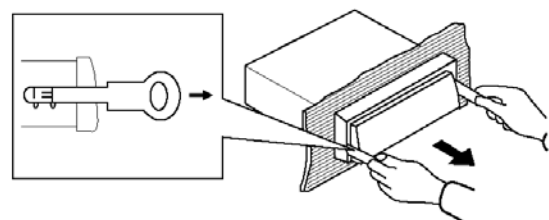
INSTALLATION

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
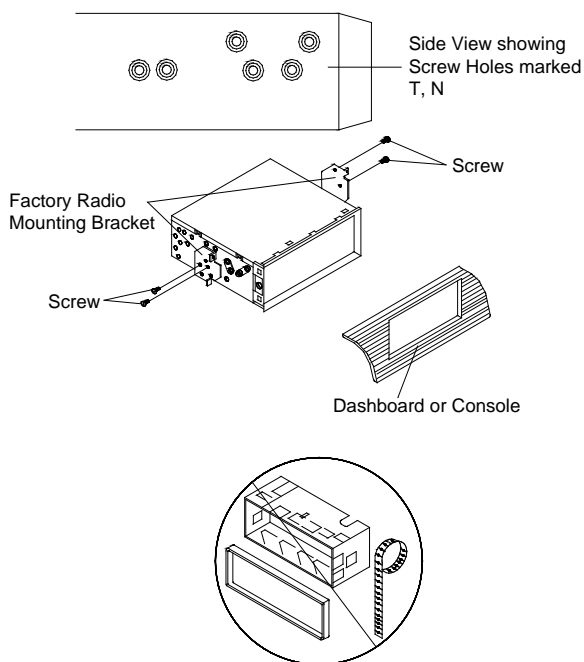
To fasten the unit to the factory radio mounting brackets.

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.

USING THE DETACHABLE FRONT PANEL

REMOVING THE FRONT PANEL

- Press the release button (⏏) on the front panel and pull off the front panel.

Release Button
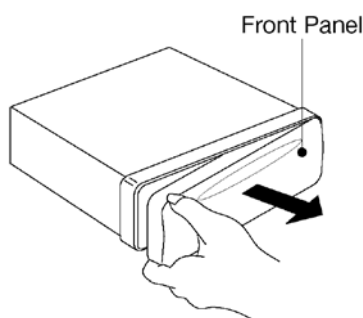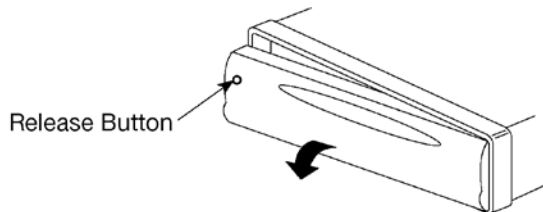
Front Panel

- Keep front panel into the case.

Protective Case
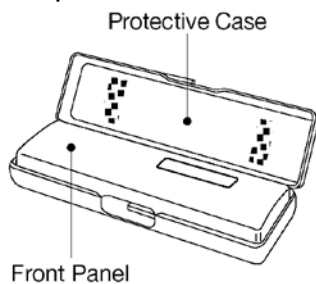
Front Panel

INSTALLING THE FRONT PANEL

To install the front panel, insert the panel into the housing and make sure the panel is properly installed. Otherwise, abnormality occurs on the display or some keys will not function properly.
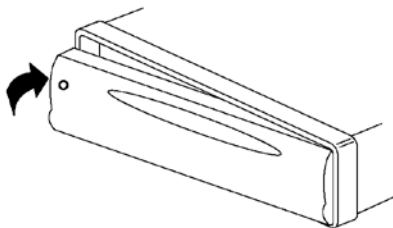
Precautions when handling

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

WIRING CONNECTION

ISO CONNECTION

Part B

Part A

FUSE

AntennaSocket

LINEOUT   L-chWHITE
           R-chRED

4-SPEAKERSYSTEM

RearLeft Speaker	–	–	(GREEN/BLACK)	8
	+	+	(GREEN)	7
FrontLeft Speaker	–	–	(WHITE/BLACK)	6
	+	+	(WHITE)	5
FrontRight Speaker	–	–	(GRAY/BLACK)	4
	+	+	(GRAY)	3
RearRight Speaker	–	–	(VIOLET/BLACK)	2
	+	+	(VIOLET)	1

GroundWire(Black)   8

+12VAccessory/Switch(Red)   7

PowerAntenna/AmplifierTurnOn(Blue)   5

+12VConstantPowerSupply(Yellow)   4
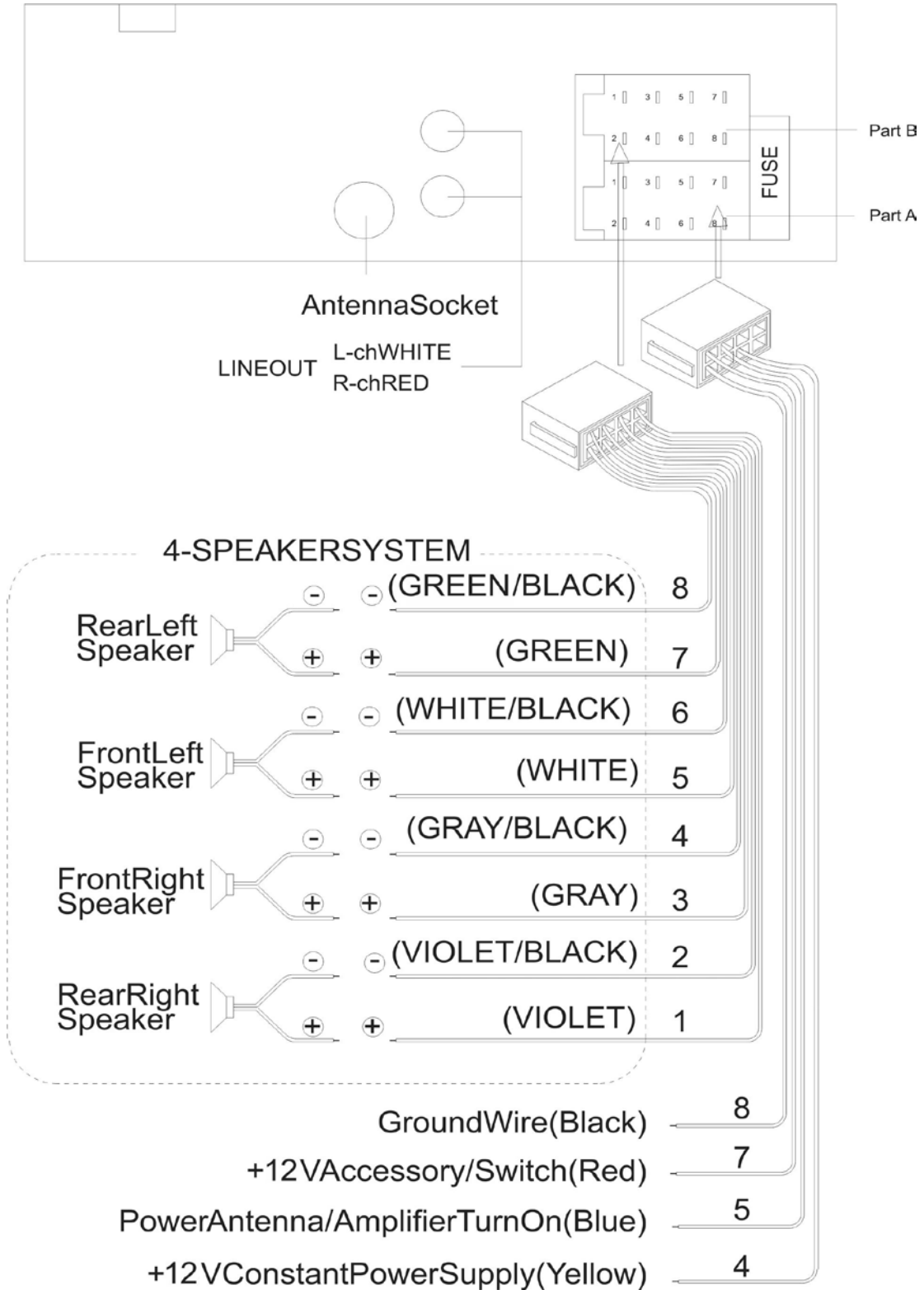
OPERATION

LOCATION OF KEYS

1. "DISP" button.
2. "SRC（source）"/☎ button.
3. "△" (panel release) button.
4. "MENU" button.
5. "BAND/↰" button."
6. IR SENSOR.
7. LCD " display.
8. USB port
9. "AUX IN" jack.
10. "6 DIR+" button.
11. "5 DIR-" button.
12. "4 RDM" button

13. "3 RPT " button.
14. "2 SCN " button.
15. "1 ▶II" button.
16. "TS" button.
17. "🔍" MP3 search button
18. Microphone.
19. "VOL / POWER/MUTE" button.
20. "▶▶I"(SEEK UP) button.
21. "EQ " button.
22. "I◀◀"(SEEK DOWN) button.
23. RESET button.
24. TF card slot.

OPERATION

TURN ON/OFF THE UNIT

Turn on the unit by pressing ⏻ button(19). When system is on. Press and hold ⏻ button (19) for 2 seconds to turn off the unit.

MUTE

Shortly press **MUTE** button(19) to muting the audio output. Press it again to recover output.

FACEPLATE RELEASE

Press release button ⏏ (3) to detach the removable faceplate.

SOUND ADJUSTMENT

Press **MENU** button (4) shortly to select the desired adjustment mode. The adjustment mode will change in the following order:
-BASS-TRE-BAL-FAD-EQ-XBASS-BEEP-DX-STEREO-CLOCK-AREA

> TRE: treble
> BAL: balance
> FAD: fader
> EQ: equalization
> DX: distance

By rotating the audio knob (19) it is possible to adjust the desired sound quality or setting.

Press and hold **MENU** button (4) for 2 seconds into the RDS menu as below:

AF-TA-TA VOL-REG-EON

> AF: Alternative Frequencies
> TA: Traffic Announcement
> TA VOL：TA volume
> EON: Enhanced Other Network

EQ (Equalisation)

Press it shortly to select the preset EQ mode as below:
FLAT—CLASSICS—POP—ROCK—EQ OFF

XBASS

Press and hold the EQ button for 2 seconds to active the XBASS function. Press and hold it again to cancel this function.

BEEP on/off:

The car audio device is equipped with 2 beep tone modes. Rotate the volume knob to choose one.
- **Beep on** mode: The confirmation beep sound is heard whenever a button is pressed.
- **Beep off** mode: The confirmation beep is switched off whenever a key is pressed.

LOC/DX:

In this item rotating the audio knob (19) to turn on/off local function. In LOC mode the unit will reduce the receiving sensitivity when you search station. That means you can receive the station that sound is good. It will ignores the station that sound is not good. In DX mode it will increase the receiving sensitivity when you search the station. That means you can receive more stations.

STEREO/MONO: In this item rotating the audio knob (19) to choose STEREO or MONO mode. In STEREO mode you can receive FM stereo signal. In MONO mode the stereo station will be switched to monochrome. Sometimes when the signal is not good. If you change it to MONO mode. The noise will be reduced.

CLOCK

In the CLOCK item of the SEL menu. There are 12 HOUR and 24 HOUR format for your choose.

Note: If you select the EUR(USA or LAT) region in AREA item. The clock will become to 24(12) HOUR format automatically. If you want to use 12(24) HOUR format in EUR(USA or LAT)

region. You have to setting the clock format again.

AREA:

In the AREA item of the menu. There are EUR/USA/LAT for your selecting.

TA volume: This function allows you to

OPERATION

define the minimum volume for the traffic announcements. The adjustable range is 10~43. The defaulted value is 21. Rotate the volume knob to adjust the volume of the traffic.

REG on/off

When AF function is on. In SEL menu you can switch on or off region mode in REG item. Some broadcasting stations change their program from normal broadcasting to regional broadcasting for a certain time period. When region is on, the current listening program remains unchanged.

EON on/off

In SEL menu You can set the EON on/off. Normally set the EON to on.

DISPLAY INFORMATION

Press **DISP** button (1) to show the time for 5 seconds. Then it returns to show the information.

SET THE TIME

(1) Manual setting:

Press and hold **DISP** button for 2 seconds. The hour of the time will be flashing. Press ▶▶▎/▮◀◀ button (or rotating the audio knob) to set the hour. Press **DISP** button shortly to change to minute. Also use ▶▶▎ / ▮◀◀ button (or rotating the audio knob) to set the correct minute. After that press **DISP** button to confirm.

(2) Synchronize the time from the RDS station:

To receive a RDS station which has good signal(The AF symbol of the LCD does not flashing). Several minutes later the time will be synchronized to the correct time by the

station's signal. (Note: None RDS station does not have this function.)

LIQUID CRYSTAL DISPLAY

Exhibit current frequency and activated functions on the display.

AUXILIARY INPUT

The unit can be connected to a portable audio player through the **AUX IN** jack (9).

Pressing **SRC** button to switch to **AUX IN** mode when inserted an audio source to the unit.

RESET FUNCTION

RESET button (23) 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 (23), the unit can't work yet, please use a cotton swab soaked in isopropyl alcohol to clean the socket on the front panel. When pressed the **RESET** button all the memory will be lost.

RADIO OPERATION

- **SWITCHING TO RADIO MODE**
  Press **SRC** button (2) to select radio mode, the radio mode appears in the display.

- **SELECTING THE RADIO BAND**
  At radio mode, press **BAND** button (5)

to select the desired band.
The reception band will change in following order:

→FM1→ FM2→ FM3 → MW1(AM1)→ MW2(AM2)

- **SELECTING STATION**
  Press ▶▶ button (20) or ◀◀ button (22) shortly to activate automatic seek

OPERATION

function. It will search up/down a station automatically. Press for 2 seconds until "**MANUAL**" appears on the display, the manual tuning mode is selected. In this mode you can turn up/down a step frequency one by one till searched a station. If both buttons have not been pressed for 5 seconds, it will return to seek tuning mode and "**AUTO**" appears on the display.

- **AUTOMATIC STORING & PROGRAM SCANNING**
  - Automatic storing
- Press **TS** button (16) for 2 seconds the radio searches from the 87.5MHz frequency and checks the signal strength until one cycle search is finished. And then 6 strong stations are stored into the corresponding preset number button of the FM3 band. In the first cycle it will in LOCAL mode to receive the stronger station. If it is less than 6 pcs station it will searching stations in 2nd cycle in DX mode.
- Program scanning
  Press **TS** button (16) shortly to scan preset station. The radio is holding at that preset number for 5 seconds with release mute.

- **STATION STORING**
  To received a station, Press one of the preset button (1~6) for 2 seconds. The current station is stored into the number button. Shortly press the preset button

(1~6) to directly listen the station that saved in the corresponding preset button.

RDS (RADIO DATA SYSTEM) OPERATION
Setting RDS mode

In AF item of RDS menu rotating the audio knob to switch on/off AF function.
Whenever AF is on, symbol "AF" appears on the display.

Program name is displayed on receiving a RDS station.
"**AF**" starts blinking if the broadcasting signal getting worse.
"ALARM" will be displayed when an emergency broadcasting is received, meanwhile sound output level will be adjusted to the preset output level automatically when the volume control is set at minimum.

Listening to Traffic Announcement

In **TA** item of the RDS menu. Rotating the audio knob to switch on or off the TA function. When **TA** mode is on and a traffic announcement is transmitted:

When the unit was in MP3 or AUX IN mode, it will switch temporarily to radio mode.

Temporary switch over to an **EON** linked station when **EON** detects a traffic announcement on that other program. If the volume level was under the threshold point it will be raised to the threshold point.

When **TA** mode is on, **TA** of individual segment is turned on. When a **TP** station is received, **TP** of individual segment is turned on.

The current traffic announcement is cancelled by turn the TA function to STOP (in TA item of **RDS** menu, when the **TA** station is not received it only has on/off. But when received a TA station the TA item will have on/stop/off for your selection). But the **TA** mode will not be off. unwanted **EON TA**

switching, which **EON TA** information was received from current station and the radio switched to that **EON** linked station, but no Information could not be received because the **EON** linked station is located too far from that area. So the radio is switched back to current station again. In above operation, a

customer listens to a wrong program or mute sound for a while. The RDS data used are the PI, PS, AF, TP, TA, EON and PTY data.

PS: Program Service Name
Broadcast station name data expressed in alphanumerically characters

OPERATION

AF: Alternative Frequencies
Frequency list of broadcasting stations transmitting the same program
TP: Traffic Program Identification
Identification data for traffic information-broadcasting station
TA: Traffic Announcement Identification
Identification data showing traffic information is being transmitted or not.
EON: Enhanced Other Networks
  Information
Broadcasting information on PI, AF, TP, TA, etc, relating to networks other than the network used for current reception.

USB PLAY OPERATION

In the front panel of the unit, there is an USB interface (8). You can connect an USB driver through this interface (8).

When you connect an USB driver through the interface, the unit will search the MP3/WMA files in the USB driver and start to play. If in other mode, you can also press **SRC** button to select USB mode.

The operation please refer to the following instruction.

- **SELECTING FILE**

  Press ▶▶ button (20) or ◀◀ button

(22) to move to the previous file or the followingfile. File number shows on the display.
Hold ▶▶ button (20) or ◀◀ button (22) to fast reverse or fast forward.

- **PAUSING PLAYING**

  Press ▶Ⅱ button (15) to pause playing. Press it again to resume play.

- **SCAN PLAY ALL FILES**

  Press **SCN** button (14) to play first several seconds of each file. Press again to stop
  intro play and listen to file.

- **REPEATING THE SAME TRACK/FILE**

  There are 3 ways to repeat file as below:
  Repeat folder---Repeat one---Repeat all.
  The default mode is repeat all. Press **RPT** button (13) to select one way as above.

- **PLAYING ALL FILES IN RANDOM**

  Press **RDM** button (12) to play all files in random order. Press it again to cancel the random function.

  SELECT DIRECTORY UP/DOWN
  Press **DIR-** button (11) or **DIR+** button (10) to select previous directory or next directory. If the MP3/WMA disc does not contain any directory, there is no function of pressing **DIR-** button (11) or **DIR+** button (10).

- **SELECTING FILES BY** 🔍 **BUTTON**
  🔍 (17) is assigned as selection
  button in MP3/WMA operation.
  Press 🔍 button. It is activated the "Search file number" mode. Rotating knob (19) to select the file number then press MENU button to confirm. The unit searches the selected file to play. You

also can select the file by following

direct numeric buttons:

1-6 button: 1-6

EQ button: 7

🞀🞀 button : 8

🞂🞂 button : 9

DISP button: 0.

If the file number was selected. The unit

wait for MENU button for seconds. The unit searches the file after few seconds, even if the MENU button is not pressed.

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

OPERATION

means different brand name or different models have their own standard. So our product cannot support every MP3 player.

● When connecting an MP3 player which has normal battery (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.

TF CARD OPERATION

There is a TF card interface (24) on the hosing (behind the front panel of the unit). When you insert a TF card in the TF interface, the unit will search the MP3/WMA files and start to play. The operation is the same with the MP3/WMA operation described above. If in other mode. You can also press **SRC** (2) button to select SD mode.

SUPPORTED MP3/WMA DECODING MODES

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: 32 GB

CAUTION

When there are important files in the USB device or TF 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.

BLUETOOTH OPERATION

● ☐ **PRE-PAIR   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**

1) On the mobile phone, select the Bluetooth set up. (Please refer to the instruction manual of your mobile phone on how to operate Bluetooth.)

2) "CAR KIT" should appear in the list on your mobile phone, please select "CAR KIT" and then input password "0000". If it needs a password.

3) When successful paired, the BT mark will be displayed on LCD.

● **Answering / rejecting an incoming call**

When there is a phone is coming in. Press key to answer the call. Press key to reject the call.

● **Hang up a call**

When finished a conversation ,press key to hang up this call.

● **Call out**

1) **Making an outgoing call**

OPERATION

Press **SRC** key to switch to the "BT"mode.

Press and hold key. The LCD will become BLANK. Then you can enter phone number and press key to confirm the dialing. (Note: If you inputted wrong

numbers. Press the key to cancel

wrong numbers.)
In front panel except there are 1~6 digit.
please note 0/7/8/9/*/# as below:
0: DSP button.
7: EQ button.
8: ◄◄ button.
9: ►►► button.
*: press and hold 5 key for 2 seconds.
#: press and hold 6 key for 2 seconds.

2) **Redialing the last outgoing call**

In BT mode. Press and hold key for 2 seconds it will redial the last phone number.

● **Transfer the call between mobile phone and unit**

During the talking mode, you can press button to transfer the phone call between the mobile phone and the unit.

● **Bluetooth audio (A2DP function)**

Press SRC button (2) it will show "BT" on the

display. Then turn on the music player of your mobile phone and playing a song. The sound will come out from the speaker of the unit. Press ►‖ key (15) of the front panel of the unit to pause/play the song. Press ►►► button (20) or ◄◄ button (22) to select next/previous song.

REMOTE CONTROL HANDSET

FUNCTION   KEY   &   CONTROL

1. ⏻ :   Power ON/OFF Button.

2. VOL+:   Volume up button.

3. BAND: To select FM1/FM2/FM3/MW1/MW2 band in RADIO mode.
                        It is ↰ key in BT mode.

1. ⏮ :   In RADIO mode: Press it shortly for seek down function. Press
                        and hold it for manual turn down.
                        In MP3/WMA mode: Press it shortly for skip previous one file.
                        Press and hold it for fast reverse.

5. VOL- :   Volume down button.

6. EQ: It is EQ button.

7. 2 SCN: In RADIO mode: Number 2. See page 11 STATION STORING.
                        In MP3/WMA mode: Press it turn on/off SCANNING function.

8. 1 ▶❚❚ :   In RADIO mode: Number 1. See page 11 STATION STORING.
                        In MP3/WMA mode: Press to pause/resume playing.

9. 4 RDM: In RADIO mode: Number 4. See page 11 STATION STORING.
                        In MP3/WMA mode: turn on/off random function.

10. 5 DIR-:   In RADIO mode: Number 5. See page 11 STATION STORING.
                        In MP3/WMA mode: Press it back to previous folder.

11. SRC: It is SRC/☎ key. When no coming call, it is SRC function. When

incoming a call or finish a call. It is ☎ key.

12. ⊠   Press it to mute/recover the sound.

13. 🔎 :   In RADIO mode: It is TS function (See page 11).
In MP3/WMA mode: It is file searching function. (See page 12).
In BT mode. It's function please reference page 14: Call out.

14. SEL: It is same as MENU button. Reference page 9.

REMOTE CONTROL HANDSET

15. ▶▶| :   In RADIO mode: Press it shortly for seek up function. Press
and hold it for manual turn up.

16. DISP: Press DISP to show the time.

17. 3 RPT: In RADIO mode: Number 3. See page 11 STATION STORING.
In MP3/WMA mode: Press it turn on/off repeat function.

18. 6 DIR+:   In RADIO mode: Number 6. See page 11 STATION STORING.
In MP3/WMA mode: Press it to next folder.

SPECIFICATION

GENERAL

Power Supply Requirements   : DC 12 Volts, Negative Ground
Chassis Dimensions   : 178 (W) x 97 (D) x 50 (H)
Tone Controls
-   Bass (at 100 Hz)   : ±10 dB
-   Treble (at 10 kHz)   : ±10 dB
Maximum Output Power   : 4x40 watts
Current Drain   : 10 Ampere (max.) (For Normal Power Version)

RADIO

FM

Frequency Coverage   87.5 to 108 MHz
IF   10.7 MHz
Sensitivity (S/N=30dB)   4μV
Stereo Separation   >25dB

AM(MW)

Frequency Coverage   522 to 1620 kHz
IF   450 kHz
Sensitivity (S/N=20dB)   36 dBuV

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.
Disc cannot be loaded or ejected.	Presence of CD disc inside the player.	Remove the disc in the player, then put a new one.
	Inserting the disc in reverse direction.	Insert the compact disc with the label facing upward.
	Compact disc is extremely dirty or detective disc.	Clean the disc or try to play 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, 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 disc is extremely dirty or defective disc.	Clean the compact disc, then try to play a new one.
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.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.