PLD10BT

- Motorized Foldout Monitor Holder
- 10.1 Inch Wide Color TFT Touch Screen
- Detachable Control Panel
- Remote Control
- Digital Video Disc Player
- Control Panel USB Port and AUX Input
- SD/MMC Card Slot
- AM/FM-RDS Digital PLL Tuning Radio
- BT Compatible

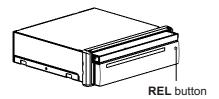# USER MANUAL

To ensure safety while driving

and to comply with laws,
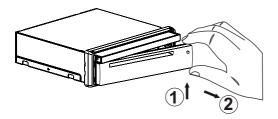
drivers should not watch video or
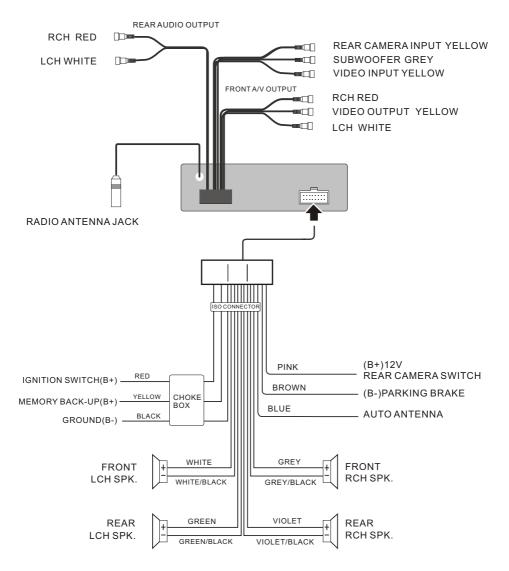
operate the video device while driving.

INSTALLATION STEPS

1. Remove the chassis from Slide Bracket Housing;

1）Press the REL button to release the control panel ;

REL button

2）Hold the right side of the control panel to pull it rightwards a little and then to you for removing it ;

3) Remove the PLASTIC FRAME from the chassis (see the Installation diagram);

4) Insert the 2 KEY PLATES into the grooves at the both sides of the chassis till they click(see the Installation diagram);

5) Pulling the two KEY PLATES to remove the chassis from the Slide Bracket Housing ;

2. Mount the Sliding Bracket Housing in the position of car multi-media system and bend some tabs of Sliding Bracket Housing to fix it.

3. Connecting all wires:

1) Connecting all wires according ot the wiring diagram on next page;

REAR AUDIO OUTPUT

RCH RED

LCH WHITE

REAR CAMERA INPUT YELLOW
SUBWOOFER GREY
VIDEO INPUT YELLOW

FRONT A/V OUTPUT

RCH RED
VIDEO OUTPUT YELLOW
LCH WHITE

RADIO ANTENNA JACK

ISO CONNECTOR

PINK — (B+)12V
REAR CAMERA SWITCH

IGNITION SWITCH(B+) — RED
BROWN — (B-)PARKING BRAKE

MEMORY BACK-UP(B+) — YELLOW — CHOKE BOX
BLUE — AUTO ANTENNA

GROUND(B-) — BLACK

FRONT LCH SPK. — WHITE / WHITE/BLACK
GREY / GREY/BLACK — FRONT RCH SPK.

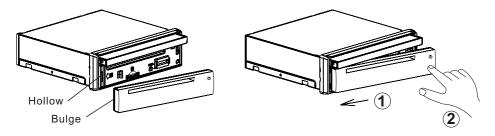REAR LCH SPK. — GREEN / GREEN/BLACK
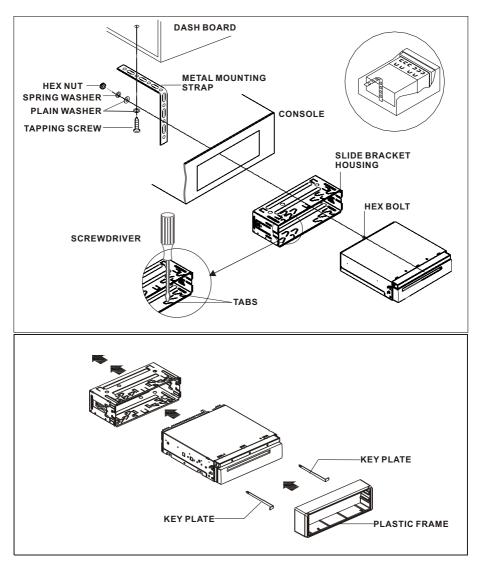VIOLET / VIOLET/BLACK — REAR RCH SPK.

WIRING DIAGRAM

NOTE:
1. Must use 4 ohms impedance of speakers.
2. After connecting parking Line, video on screen of control panel will be displayed only after applying parking brake.
3. Before finishing wiring, do not attach control panel onto chassis.

2) Attaching the control panel onto the chassis;

(1) Insert the left side of the control panel into the hollow of the chassis .
(NOTE : the "bulge" point on the control panel must be attached into the hollow
of the chassis .)

(2) Gently push the right side of the control panel till you feel a " Click" .

Hollow

Bulge

3) Testing it for making sure that it can work properly .

4. Installing chassis according to the installation diagram on next page:

1) Insert the chassis of the car multi-media system into the Sliding Bracket Housing.

2) Use the metal strap to fix the rear part of chassis.

5. Installing the monitor refer to next next page.

* Uninstalling the chassis:

1) removing the monitor refer to next next page

2) Remove the metal strap from the chassis ;

3) Remove the control panel from the chassis;

4) Remove the plastic frame from the chassis;

5) Insert 2 key plates into the left and right sides of the chassis and draw the chassis
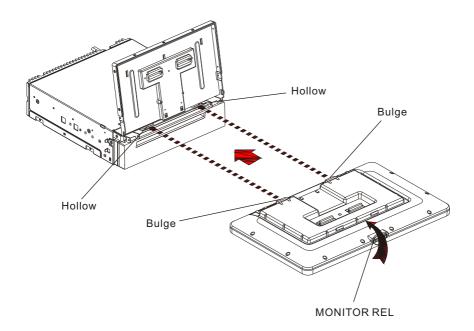out of the sliding bracket housing.

Installation Diagram

DASH BOARD

HEX NUT

SPRING WASHER

PLAIN WASHER

TAPPING SCREW

METAL MOUNTING STRAP

CONSOLE

SLIDE BRACKET HOUSING

HEX BOLT

SCREWDRIVER

TABS

KEY PLATE

KEY PLATE

PLASTIC FRAME

If you want to take CHASSIS out of the SLIDE BRACKET HOUSING, first remove the PLASTIC TRIM OUT of the both sides away, then insert the two KEY PLATE into left and right side of chassis as above illustration.

Installing the monitor.

1) Press the OPEN/MONITOR-ANGLE button to slide the monitor holder out and stand it up.

2) Insert the 2 bulges of the monitor into the 2 hollows of the monitor holder and flip up the monitor, then push the top middle part of the monitor to make the monitor attach onto the monitor holder.

Hollow
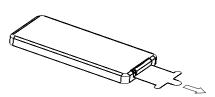
Bulge

Hollow

Bulge

MONITOR REL

Removing the monitor.

1) Push the MONITOR REL to detach the monitor from the monitor holder;

2) Hold the top part of the monitor to pull away from the monitor holder and lift it up to remove it.

GENERAL KNOWLEDGE ABOUT REMOTE CONTROL

1. Removing insulating sheet

If using remote control for the first time, you
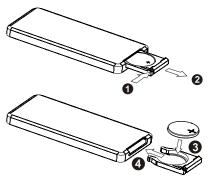can see an insulating sheet at the bottom
side of remote control as right.

you must remove the insulating sheet as right.
Otherwise, the remote control is disabled.

2. Replace lithium cell

If the electric energy of lithium cell is weak,
replace it.

1）Press and hold the movable block as direction
   indicated by arrow 1 as right, at one time pull
   cell holder out of remote control as direction
   indicated by arrow 2 as right.

2）Replace the old cell by a new one with (+)
   polarity side upward as right.

3）Insert the cell holder into remote control again
   as right.
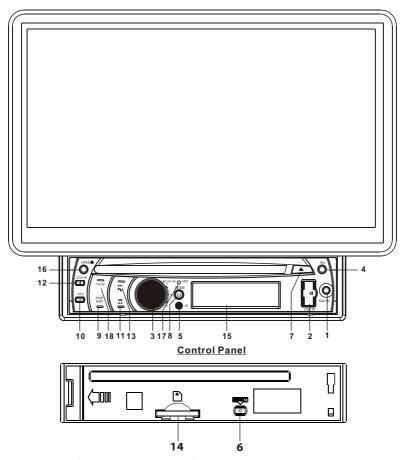
3. Note about using remote control

1）You should face the emitting window of remote control towards the sensor
   window of the unit.

2）Operation angle for front panel: About 30 degree

3）The distance between the emitting window of remote control and the sensor
   window of the unit : < 5M .

4. Warning for lithium cells of remote control

1）Cell leakage may cause damage to remote control.

2）Do not throw cells into fire, it may cause explosion.
.
3.To avoid risk of accident, keep cells out of reach of children.

Locations and Names of Controls on Main Unit

Control Panel
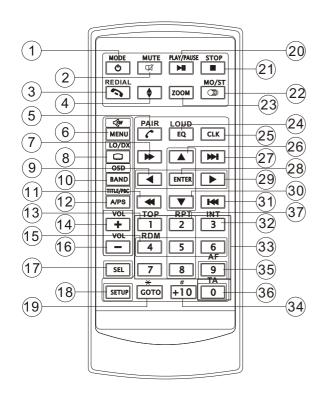
Sliding Plate diagram after removing Control Panel

1. AUX IN JACK（A/V)

2. USB PORT and COVER

3. SEL BUTTON and VOL KNOB

4. REL BUTTON

5. IR SENSOR WINDOW

6. RESET BUTTON

7. EJECT BUTTON

8. POWER/MODE BUTTON

9. BAND/PAIR BUTTON

10. MUTE/PTY BUTTON

11. |<</HANG UP BUTTON

12. >|| or CH1-6 BUTTON

13. >>|/CALL BUTTON

14. SD/MMC CARD SLOT

15. LCD SREEN

16. OPEN/MONITOR-ANGLE BUTTON

17. MICROPHONE

18. TA/AF BUTTON

Locations and Names of Controls on Remote Control

1. POWER/MODE BUTTON

2. MUTE BUTTON

3. HANG UP or REDIAL BUTTON

4. MONITOR-ANGLE BUTTON

5. CALL or PAIR BUTTON

6. MENU or SW BUTTON

7. >> BUTTON

8. SUBTITLE or LO/DX BUTTON

9. < BUTTON

10. BAND or OSD BUTTON

11. << BUTTON

12. A/PS or TITLE/PBC BUTTON

13. TOP BUTTON

14. VOL+ BUTTON

15. RDM BUTTON

16. VOL- BUTTON

17. SEL BUTTON

18. SETUP BUTTON

19. GOTO or * BUTTON

20. >|| BUTTON

21. STOP BUTTON

22. AUDIO or MO/ST BUTTON

23. ZOOM BUTTON

24. EQ or LOUD BUTTON

25. CLK BUTTON

26. ^ BUTTON

27. >>| BUTTON

28. ENTER BUTTON

29. > BUTTON

30. V BUTTON

31. |<< BUTTON

32. INT BUTTON

33. NUMBER(0~9) BUTTON

34. +10 or # BUTTON

35. AF BUTTON

36. TA BUTTON

37. RPT BUTTON

Same functions in any work source mode

1. POWER button and icon
    In power off mode, pressing POWER button on remote control or pressing POWER button on control panel powers on main unit.

    In power on mode, long pressing POWER button on control panel or on remote control or touch icon on source menu powers off main unit.

2. VOL knob & VOL+/VOL- buttons
    To adjust volume level, rotate VOL knob on control panel or press or hold VOL+ or VOL- button on remote control.

3. SEL button
    To switch between BASS,TREBLE,BALANCE, FADE,COLOR,BRIGHTNESS,CONTRAST, TINT and VOLUME, briefly and repeatedly press SEL button.

    After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

    To switch between BT, REG, PI, TA, AF, LOUD, SWF, EQ, DX/LOCAL(in radio mode), STEREO/MONO(in radio mode), TIME 12H/24H, CLOCK, BUZZ,EUR/USA FREQ,ANIMATION, BG and LED, long press SEL button to switch on BT, then briefly and repeatedly press SEL button.

    After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

4. MUTE button
    To switch MUTE mode on or off, press MUTE button on remote control or press MUTE button on control panel.

5. To switch between EQ modes
    To select a desired preset EQ mode from JAZZ, CLASSIC, POP, ROCK and USER, press EQ/LOUD button on remote control continuously.

6. To switch LOUD mode
    To switch LOUD mode between ON and OFF, long press EQ/LOUD button on remote control.

7. SW button
    To switch SWF between ON and OFF, long press SW button on remote control.

8. CLK button
    Press CLK button on remote control to display clock time .

9. OPEN/◆ or ◆ buttons and icon
    To slide the monitor holder out and stand it up or into the monitor holder slot(after removing the monitor), press OPEN/◆ button on control panel or press ◆ button on remote control;

    To adjust the angle of the monitor, long press OPEN/◆ button on control panel or ◆ button on remote control or touch icon on source menu .

10. MODE button and source menu
    To work source between RADIO, DISC(after inserting a disc), USB(after inserting a USB storage), CARD(after inserting a card), AUX IN and BT MUSIC, press MODE button on remote control or press MODE button on control panel continuously.

    During disc(non-CD)/USB/card playback, touch screen to pop up Function Icons-board and then touch the icon in the Function Icons-board to enter the display status of the source menu before entering Disc/USB/Card mode(refer to Disc/USB/Card Operation) .

    During AUX playback, touch screen to pop up AUX interface and then touch icon to enter the display status of the source menu before entering AUX mode(refer to AUX operation).

    In radio, BT music or CD mode, touch icon to enter the display status of the source menu before entering radio, BT music or CD mode(refer to Radio Operation, BT Operation and Disc/USB/Card Operation).

The source menu displays as follows:

Source Menu

In source menu, touch one icon of DISC, RADIO, BT MUSIC, AUX, USB and SD Card
to enter one work source of DISC, RADIO, BT MUSIC, AUX IN, USB and SD Card.

11. SETUP icon

1) SETTING SYSTEM
In source menu, touch SETUP icon to display SYSTEM page of SETUP menu as follows:

System page of SETUP menu

In the SYSTEM page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting
item of BRIGHTNESS, CONTRAST, COLOR, TINT, ANIMATION, WALLPAPER, LED and BT.
After highlighting a desired setting item, touch the ◀ or ▶ icon to set it.

2) SETTING SOUND
In SETUP menu, touch SOUND icon to display SOUND page of SETUP menu as follows:
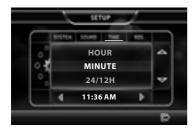

Sound page of SETUP menu

In the SOUND page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of TREBLE, BASS, BALANCE, FADE, SUBWOOFER, LOUDNESS, RADIO LOC/DX(entering Source Menu in radio mode), RADIO STEREO(entering Source Menu in radio mode) and BUZZER ON/OFF. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

3) SETTING TIME
In SETUP menu, touch TIME icon to display TIME page of SETUP menu as follows:

Time page of SETUP menu

In the TIME page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of HOUR, MINUTE and 24H/12H. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

4) SETTING RDS
In SETUP menu, touch RDS icon to display RDS page of SETUP menu as follows:

In the RDS page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of REGION and PI SOUND/MUTE. After highlighting a desired setting item, touch the ◀ or ▶ icon to set it.

After finishing setting, touch 🔲 icon to return back to normal playback.

12.RESET button
When LCD displays wrongly or some buttons are not available or sound is distorted, press REL button to detach the control panel and remove it, then use the sharp end of a pointed object to press RESET button on the chassis face to reset the program to zero.

13.REL button
To detach control panel, press REL button on control panel.

After detaching control panel, hold the right part of the control panel and pull it rightwards a little and then you can remove it from chassis.

Radio Operation

1. To enter RADIO mode(MODE button or RADIO icon)
   When you use MODE button or source menu (tapping RADIO icon) to enter RADIO mode, it will display radio interface as follows:

*   Some icons on radio interface correspond with the buttons on remote control or control panel as follows:

     [icon] icon = MUTE button
     - and + icons = VOL- and VOL+ buttons = VOL knob
     EQ icon = EQ button
     [icon] : To enter source menu.
     [icon] icon : press it to pop up BT PHONE interface(after pairing and connecting a mobile phone with BT function)

2. To switch between bands (BAND)
   The BAND icon or button can switch between bands of FM1, FM2, FM3, AM1 and AM2, and the word FM1,FM2,FM3,AM1 or AM2 will be displayed on screen.

3. To search for a station ([icon] and [icon] icons or v and ^ or |<< and >>| buttons)
1) Long touching [icon] or [icon] icon or long pressing v or ^ button on remote control or long pressing |<< or >>| button on control panel can automatically search down or up for an available station beginning from the current frequency.

2) Briefly touching [icon] or [icon] icon or briefly pressing v or ^ button on remote control or briefly pressing |<< or >>| button on control panel can manually search down or up for a your desired station beginning from the current frequency.

4. To preset and scan all memory stations (APS icon or A/PS button)
 1) When long touching APS icon or long pressing A/PS button on remote control , the radio searches from the lowest frequency and checks the signal strength level until 1 cycle search is finished, and the 6 strongest stations are preset to corresponding preset number memory bank for the current band.

   The presetting function can be implemented in selected FM or AM band. (It can presets 3x6 stations for FM and 2x6 stations for AM in all)

 2) When briefly touching APS icon or briefly pressing A/PS button, the radio scans for each preset station in FM or AM band from NO.1 bank, each preset station broadcasts for 5 seconds. After finishing a circle of scanning, it will resume broadcasting the station in NO. 1 bank.

   NOTE: In FM band, FM1,FM2 and FM3 are preset and scaned as one band at a time;
   In AM band, AM1 and AM2 are preset and scaned as one band at a time.

5. To preset and listen to a memory station(1~6 icons or 1~6 buttons or CH1-6 button)

1) Long touching one of 6 number(1~6) icons or long pressing one of 6 number(1~6) buttons can preset the current broadcasting station of the current band in the number memory bank; .

2) Briefly touching one of 6 number(1~6) icons or briefly pressing one of 6 number(1~6) buttons can listen to the memory station in the current band preset in the number memory bank.

* CH1-6 button:

1) To preset a station in a memory bank with CH1-6 button, first select a desired band; then press CH1-6 button to select a desired memory bank; and then search for a desired station; finally long press CH1-6 button to store the station in the memory bank.

2) To listen to a preset station with CH1-6 button, first switch on a desired band, then continuously press CH1-6 button highlight and listen to it.

6. To switch on between stereo and mono mode (MO/ST button)

Press MO/ST button on remote control to select STEREO or MONO mode for FM band.

When the STEREO mode is activated, it can get better audio effect; when the MONO mode is activated, it can get clearer audio signal.

7. To switch on between local and distance mode (LO/DX button)

Press LO/DX button to turn LOC on to tune for local stations with weak interference; Press LO/DX button to turn DX on to tune for distance stations with stronger signal.

8. To search for a RDS station that is broadcasting a typed program (PTY)

Continuously touching PTY icon on touch screen or continuously long pressing PTY button on control panel switches between the program types such as: NEWS …and so on.

After selecting a desired program type, no operation for a while, it displays PTY SEEK and automatically searches for a station that is broadcasting the selected type of program.

If the station that is broadcasting the selected type of program does not exist, it will display NO PTY and return back to the previous normal station.

9. To automatically alternate a stronger signal of frequency for the current RDS station(AF)

During broadcasting a typed program of a RDS station, use the AF icon in the RADIO interface or SEL and VOL buttons to set AF mode on or long press AF button on control panel or AF button on remote control to switch on AF mode, then AF icon flashes on screen.

After switching on AF mode, the radio checks the signal strength of AF(alternate frequency) all the time. Whenever a new AF is stronger than the current frequency,

It switches over to the AF for a short time, and the AF icon is light on screen(not flash).

* In FM mode, when switching on AF mode, the radio auto searches for or preset only those RDS stations.

* In FM mode, when switching on AF and TA modes, the radio auto searches for only those RDS stations broadcasting traffic announcement.

10. REGION mode

use the RDS page of the SETUP MENU or the SEL and VOL buttons to set REGION mode on or off.

In REGION on mode, when switching on AF mode, the radio can't switch over to those AF stations which have a different regional program content.

In REGION off mode, when switching on AF mode, the radio can switch over to those AF stations which have a different regional program content.

11. PI mode

use the RDS page of the SETUP MENU or the SEL and VOL buttons to set PI SOUND or PI MUTE mode.

In PI SOUND mode, when switching on AF mode, if a car cruises that critical area back and forth, an oscillation phenomenon can be occurred, because the different PI code can be receive from a same AF. when the different PI sound (DIP) is heard once in a while, the different PI sound will be heard for less than 1 second.

In PI MUTE mode, when switching on AF mode and under above same situation, a mute sound will be heard for less than 1 second.

12. To automatically search for traffic announcements (TA)

In any mode, use the TA icon or SEL and VOL buttons to set TA mode on or press TA button on control panel or long press TA button on remote control to switch on TA mode, then TA: ON will display on screen for a while and begin to search for those RDS radio stations transmitting traffic announcement.

When an RDS radio station transmits traffic announcement and is received by the radio, temporarily switch the current work source to an RDS radio station broadcasting traffic announcement, and TRAFFIC will be displayed on screen.

When the traffic announcement is over, it will return back to previous work source.

BT Operation

1. **Pairing and Connecting**
   Prior to using the BT device named BC_HF_V01 as a handfree system for a BT-enabled mobile phone for the first time, you must pair and connect them as follows:

* Prior to pairing and connecting, when displaying No Video interface of radio, CD, AUX IN or BT music, the logo BT flashes in the touch screen.

* During using the BT device named BC_HF_V01 as a handfree system for a BT-enabled mobile phone, place the BT-enabled mobile phone in 3 meters from the Car A/V System;

1) Long press PAIR button on remote control or long press PAIR button on control panel to flash the logo of the BT with blue frame;

2).Switch on the BT mode of your mobile phone; then select the item to find a BT device and enter it; When it finds the BT device of the car A/V system, the name BC_HF_V01 will be displayed, select it and enter it; then it will show an interface that asks you to input a password, input 8888 and enter it; then it will pair and connect with the BT device BC_HF_V01 of the car A/V system, Confirm it, then the frame of the BT logo will be filled by blue color and they are light all the time.

* When finishing pairing and connecting, the audio of the mobile phone transfers to the car audio system whenever a call is made or received or the mobile phone plays music.

2. **BT PHONE**

1) **Make a call**

(1) Dial with mobile phone directly;

(2)Dial with the controls on BT PHONE interface or on remote control or on control panel

a. Long press 📞 button on remote control or touch ▦ icon to pop up BT PHONE interface as follows:

▦ : Same as MUTE button.

- & + : Same as VOL+ and VOL- or VOL knob.

b. Use the number icons or buttons to input your desired phone number;

 * When inputting a wrong digit, use ◄ icon or < button to delete it.

c. After finishing inputting, touch 📱 icon or press ↘ button on control panel or press ↗ button on remote control to dial out.

2) Redial last dialed phone number
Touch 📱 icon or long press ☎ button on remote control to dial out the last dialed phone number.

3) Answer a call
During ringing, the incoming telephone number displays in the the BT PHONE interface. If you want to receive it, touch 📱 icon or press ↘ button on control panel or press ↗ button on remote control; if you want to reject it, touch 📵 icon or press ☎ button on control panel or press ↘ button on remote control.

4) End phone talking
When you want to end phone talking, touch 📵 icon or use ☎ or ↘ button.

5) Switch audio between car A/V system and mobile phone
During phone talking using the BT handfree system of the car A/V system, if you want to change the phone audio to your mobile phone, touch 📱 icon or press ↘ button on control panel or press ↗ button on remote control.

During phone talking using the mobile phone, if you want to change the phone audio to the the car A/V system again, use ↘ or ↗ button.(only for some mobile phone)

6) Adjust volume level during phone talking
During phone talking, use + and - icon or VOL knob or VOL+ and VOL- buttons to adjust volume level; use 🔇 icon or MUTE button to mute sound.

* * / # icons and buttons
they perform as * / # buttons on mobile phone.

3. BT MUSIC

1) Touching BT MUSIC on source menu or pressing MODE button can pop up BT MUSIC interface as follows:

- and + icons = VOL- and VOL+ buttons = VOL knob

 icon = MUTE button

EQ icon = short pressing EQ/LOUD button

 icon : Popping up BT PHONE interface(after pairing and connecting a mobile phone with BT function).

 icon = button

 icon = button

 and icons = and button

 icon: To enter source menu.

TA icon : To switch TA mode on or off.

AF icon : To switch AF mode on or off.

2) When using your mobile phone with BT function to play audio/video, if it is paired and connected with the BT device of the car A/V system, the audio of the mobile phone will change into the car A/V system.

   The BT device of the car A/V system support A2DP, if your mobile phone with BT function support A2DP, the car A/V system can output stereo audio from your mobile phone.

3) The BT device of the car A/V system supports AVRCP, so these icons on the BT MUSIC interface except BT Music and their corresponding buttons on control panel or on remote control are available for audio/video playback of your mobile phone during playback. But no fast forward/backward functions for / icon and / buttons, and the function of resume playback after pausing or stopping is available only for some mobile phone.

* If you don't want to use the BT function of the car A/V system , long press SEL button to display BT, then use VOL knob or VOL+ and VOL- buttons to switch BT off .

Disc/USB/Card Operation
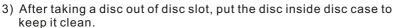
1. Loading or unloading a disc, USB or card

1.1 Loading a disc, USB or card

To play files in a disc, insert a disc with label surface up into disc slot. it will automatically play.

*   CAUTION OF USING DISC

Label
surface up

1) Handle a disc by its edge, do not touch the surface of play side

2) Before inserting disc, wipe the disc outwards from the disc center with a clean, soft, dry, lint-free cloth. Do not use solvents /thinner such as petrol/benzine, cleaner.

3) After taking a disc out of disc slot, put the disc inside disc case to keep it clean.
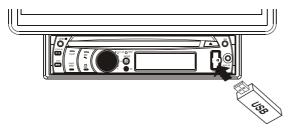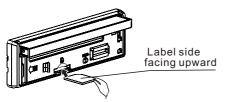
4) Do not stick paper or tape on the disc surface of play side. If there is glue (or analog) on the disc surface, must wipe it up before using.

To play files in a USB, firstly open USB port cover, then insert USB storage into USB port, and then it will play files in the USB automatically.

To play files in a card, firstly press REL button to detach control panel, then hold the right part of the control panel and pull rightwards a little and to you to remove it, and then insert the card with label side upward and contact end frontward into card slot as the following fig., and then attach control panel onto chassis again, by now it will play files in the card automatically .

Label side
facing upward

Press in till heard a **"CLICK"**

1.2 Unloading a disc, USB or card

To unload the disc in disc slot, use STOP button to stop playback and then press ▣ button on control panel or touch ▣ icon on source menu to eject disc, then remove it.

To pull away the USB storage, use STOP button to stop playback, then you can remove the USB storage.

To unload the card in card slot, use STOP button to stop playback, then press REL button to detach control panel and then hold the right part of the control panel and pull rightwards a little and then to you to remove it, and then you can push the card for release it and then pull it out of card slot.

Press in till heard a **"CLICK"**   Remove the memory card

* During MP3/WMA playback, the information of file, folder, <u>title, artist and album</u> will be scrolling on LCD display. As long as the current playing MP3/WMA music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on LCD display; otherwise, they will not.

* There is ESP function for all formats of discs.

2. Popping up Function Icons-board

2.1 Function Icons-board of Digital Video/VCD/MPEG4/Image/MP3/WMA

During Digital Video/VCD/MPEG4/Image playback, tapping any place on touch screen can pop up Function Icons-board 1 as next page, then tap ▦ icon to pop up Function Icons-board 2 as next page.

During MP3/WMA playback, tapping any place except folder area, track area and MP3/WMA&Image&MPEG4 icons can pop up Function Icons-board 1 same as one of Digital Video/VCD/MPEG4/Image, then tap ▦ icon to pop up Function Icons-board 2 same as one of Digital Video/VCD/MPEG4/Image.

Folder area —

Track area

MP3/WMA icon   Image icon   MPEG4 icon

The Function Icons-boards display as follows:

Function Icons-board 1

Function Icons-board 2

* Some icons on the Function Icons-boards descript as follows:

◀ : Same as MUTE button.

− : Same as VOL- button or rotating VOL knob with anti-clock wise.

+ : Same as VOL+ button or rotating VOL knob with clock wise.

⌂ : Poping up source Menu.

⮌ : Poping up Function Icons-board 2.

TA icon : To switch TA mode on or off.

AF icon : To switch AF mode on or off.

||| : Same as EQ button.

CLK : Same as CLK button.

LOUD: Same as long pressing EQ button.

SWF : Same as SW button.

⮌ : Poping up Function Icons-board 1.

📱 : Poping up BT PHONE interface (after pairing and connecting a mobile phone with BT function).

↪ : Redialing the last phone number.

2.2 CD interface

During CD playback, the CD interface displays as follows:

* Some icons on the CD interface descript as follows:

TA icon : To switch TA mode on or off.
 AF icon : To switch AF mode on or off.
📻 icon = MUTE button
- and + icons = VOL- and VOL+ buttons= VOL knob
EQ icon = EQ button
📱 icon : press it to pop up BT PHONE interface(after pairing and connecting a mobile phone with BT function)
📺 icon: To enter source menu.

3. **Function of controls on the touch screen/main unit/remote control**

1. ▌ icon or button
   During playback, use it to pause playback; in pause mode, use it to resume play‑
   back.

2. ▌ icon or button
   During Digital Video/VCD/CD/MP3/WMA playback, tapping or pressing it pre-stop
   or pause playback; in pre-stop or pause mode, use ▌ icon or button to resume
   playback.
   During playback, tapping or pressing it twice to fully stop playback; in fully stop
   mode, use ▌ icon or button to start playback from the beginning of the media.

   During MPEG4/image playback, use ▌ icon or button to display root menu as
   follows:

Folder area — / — Track area

MP3/WMA icon   Image icon   MPEG4 icon

   During MP3/WMA playback, the root menu above displays all the time.

   When displaying root menu, use < or > button to highlight the current chapter/
   track, the current folder or the kind icons.

* If there are no track/chapter for a kind icon, you can't highlight the kind icon.

   When highlighting a kind icon, press ENTER button to enter it.

   When highlighting the current folder, use v or ^ button to highlight other folders
   and then press ENTER button to enter it.

   When highlighting the current track, use v or ^button to highlight other tracks and
   then press ENTER button to play it.

* For image, after highlighting a track, press ENTER button to display only the high-
   lighted track; press >|| button to display all tracks step by step from the highlighted
   track.

* Tapping folder icon, track icon or kind icon can execute the operation above.

3. ▌ / ▌ icons or buttons
   During playback, continuously tapping ▌ or ▌ icon or continuously pressing ▌
   or ▌ button on remote control or continuously and long pressing ▌ or ▌ button

on control panel can fast backwards or forwards at the following multiple of normal speed: x2, x4, x8, x20, x1.
During fast playback, use ▐▶ icon or button to resume normal playback.
For image files, no this function.

4. ◀ / ▶ icons or ◀◀ / ▶▶ buttons
During playback, use one of them to play previous or next chapter/track.
During playback, long pressing ◀◀ or ▶▶ button on control panel can fast backward or forward at the following multiple of normal speed: x2, x4, x8, x20, x1.

5. Number buttons
During Digital Video/VCD(PBC OFF)/MPEG4/Image/CD/MP3/WMA playback, use number buttons to input chapter/track SN. , then it will play or display it.
To input a chapter/track with an SN that is equal to or bigger than 10, use the +10 button to input the digit in tens place and then use 0-9 button to input the digit in units order.
I.e. +10 ~ 1 = 11 (number 11 chapter/track will be displayed/played.)

During VCD playback, when it is in PBC ON mode, the number buttons are disabled.

6. MENU icon or button
During Digital Video playback, use MENU icon or button to display the current chapter list, then use direction buttons to select your desired chapter and then press ENTER button to play it.

For VCD, MENU icon or button is disabled, track list is displayed on the monitor screen by pressing TITLE/PBC button or tapping TITLE/PBC icon.

For MPEG4/image, MENU icon and button are disabled, root menu is displayed on the monitor screen by pressing ■ button or tapping ■ icon.

For MP3/WMA, MENU icon and button are disabled, root menu displays on the monitor screen all the time. Root menu of MP3/WMA is same as the one of MPEG4/image.

For CD, MENU icon or button is disabled.

7. TITLE/PBC icon or button
During Digital Video playback, use TITLE/PBC icon or button to display title list; then use direction buttons to select your desired title and then press ENTER button to open the chapter list of the title; then use direction buttons to select your desired chapter and then press ENTER button to play.

* You can also tap a desired title and then chapter to play.

During VCD playback, use TITLE/PBC icon or button to switch PBC mode on or off. When PBC mode is switched on, it will play from the beginning of media till it displays a track list. When a track list is displayed, use the number buttons to select your desired track to play.

For MP3/WMA/MPEG4/image, the TITLE/PBC icon and button are disabled.

For CD, the TITLE/PBC icon and button are disabled.

8. icon and GOTO button
For Digital Video/MPEG4/VCD/image/MP3/WMA, you can use , , ,number and icons or GOTO, <, >, number and ENTER buttons to select a chapter /track or from a playback time point to play.

During playback, tap icon or press GOTO button to display changeable playback information bar as follows:

	Title SN.	Chapter SN.				Elapsed time

Digital Video: T T   01/10 CH   09/20   🕐   0:01:38

MPEG4:   CHAP 01/01   🔇   ᴬ   🕐   0:01:38

VCD: TRK   01/10   🔇   PBC   ᴬ   🕐   0:01:38

Image: TRK   006/231   🔇   ᴬ   🕐   0:00:00 ——— Disabled

MP3/WMA: TRK   01/23   🔇   ᴬ   🕐   0:02:22

* During playback, tapping icon can also display the Goto Function icons-board as follows:

When displaying the changeable playback information bar, use / icon or < or > button to highlight title SN.(only for Digital Video) , chapter/track SN. or elapsed time of current chapter/track(disabled for image).

When highlighting title SN. or chapter/track SN. , use number icons or buttons to input desired SN. of title or chapter/track, then use icon or ENTER button to play the selected chapter/track.

When highlighting elapsed time of current chapter/track(disabled for image), use number icons or buttons to input desired playback time point for the playback time of the whole media for Digital Video/VCD and of the current chapter/track for MPEG4/MP3/WMA, then use icon or ENTER button to play from the play-back time point.

For CD, GOTO button is disabled.

9. icon or ZOOM button
During Digital Video/VCD/MPEG4/image playback, use icon or ZOOM button to switch zoom mode between ZOOM 2, ZOOM 3, ZOOM 4, ZOOM ½, ZOOM 1/3, ZOOM 1/4 and ZOOM OFF.

When zooming in video/image, use direction buttons to move video/image upwards, downwards, rightwards or leftwards.
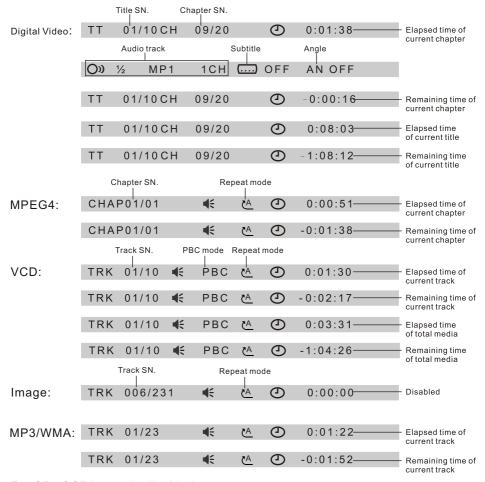
When not zooming in image, direction buttons can switch on 4 fixed rotated angles between >=90 deg cw, <=90 deg ccw, ^=UP-DOWN and v=LEFT-RIGHT.

For MP3/WMA, icon and ZOOM button are disabled.

For CD, the ZOOM button is disabled.

10. OSD icon or button
During Digital Video/VCD/MPEG4/Image/MP3/WMA playback, use OSD icon or button to display playback information bar as bellows:

Digital Video:

	Title SN.	Chapter SN.			
T T	01/10	CH 09/20	🕐	0:01:38	— Elapsed time of current chapter

	Audio track		Subtitle	Angle	
🔊	½ MP1	1CH	💬 OFF	AN OFF	

T T	01/10 CH 09/20	🕐	-0:00:16	— Remaining time of current chapter
T T	01/10 CH 09/20	🕐	0:08:03	— Elapsed time of current title
T T	01/10 CH 09/20	🕐	-1:08:12	— Remaining time of current title

MPEG4:

	Chapter SN.		Repeat mode		
CHAP01/01		🔇	↻A	🕐	0:00:51 — Elapsed time of current chapter
CHAP01/01		🔇	↻A	🕐	-0:01:38 — Remaining time of current chapter

VCD:

	Track SN.	PBC mode	Repeat mode		
TRK 01/10	🔇	PBC	↻A	🕐	0:01:30 — Elapsed time of current track
TRK 01/10	🔇	PBC	↻A	🕐	-0:02:17 — Remaining time of current track
TRK 01/10	🔇	PBC	↻A	🕐	0:03:31 — Elapsed time of total media
TRK 01/10	🔇	PBC	↻A	🕐	-1:04:26 — Remaining time of total media

Image:

	Track SN.		Repeat mode		
TRK 006/231		🔇	↻A	🕐	0:00:00 — Disabled

MP3/WMA:

TRK 01/23	🔇	↻A	🕐	0:01:22 — Elapsed time of current track
TRK 01/23	🔇	↻A	🕐	-0:01:52 — Remaining time of current track

For CD , OSD button is disabled.

11. icon or REPEAT button
During Digital Video playback, touch icon or long press RPT button to switch repeat mode between REP CHAPTER, REP TITLE, REP ALL and REP OFF.

During VCD(PBC OFF)/CD playback, touch icon or long press RPT button to switch repeat mode between REP 1, REP ALL or REP OFF.

During MP3/WMA/MPEG4/image playback, touch icon or long press RPT button to switch repeat mode between REP1,REP FOLDER(or DIR),REP ALL or REP OFF.

During VCD(PBC ON) playback, icon and RPT button are disabled.

12. icon or RDM button

During Digital Video/VCD(PBC OFF)/CD/MP3/WMA playback, tapping icon or long pressing RDM button switches random mode on or off.

For MPEG4/image/VCD(PBC ON) playback, icon and RDM button are disabled.

13. icon or INT button

During VCD/CD playback, tapping icon or long pressing INT button switches intro mode on or off.

For Digital Video/MP3/WMA/MPEG4/image, icon and INT button are disabled.

14. icon or button

During Digital Video playback, use icon or button to switch between audio tracks (depending on the current playing media).

During VCD/CD playback, use icon or button to switch audio channels between MONO L, MONO R, MIX MONO and STEREO.

For MPEG4/MP3/WMA/image, icon and button are disabled.

15. icon or button

During Digital Video playback, use icon or button to switch subtitle languages on or off(depending on the current playing media).

For VCD/MP3/WMA/MPEG4/image, icon and button are disabled.

For CD, the button is disabled.

16. icon or SETUP button
Use icon or SETUP button to enter Media Setup Menu for setting up all media parameter values.

Use icon or SETUP button to display Media Setup Menu(the default page is SYSTEM SETUP);

Media Setup Menu has 4 pages in all. When highlighting a page, tap the aim page icon or press > or < button to highlight another page;

After selecting a page, tapping the aim item icon or press ^ or v button to highlight a setup item in the selected page;

After selecting a setup item, tapping the aim value; or press > button to enter the setup item, then press v or ^ button to select a desired value, finally press ENTER button to confirm it.

After finishing setting, tapping EXIT icon or press SETUP button to exit Media Setup Menu to resume normal playback.

Description of the 4 pages:

1) SYSTEM SETUP

TV SYSTEM
This setup item is for setting up video system in NTSC, PAL or AUTO .

If you set a non-matched video system for playing a video, the playing video will display white-black or flash.

SCREEN SAVER
This setup item is for switching screen saver on or off.

TV TYPE
This setup item is for setting up video display size.

(1) 4:3 PS: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the left and right part of video will be cut out, and video will display in full screen.

(2) 4:3 LB: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the top and bottom part of the monitor screen will be turned into a black square .

(3) 16:9: Choose this item when connecting a monitor with 16:9 wide screen.

PASSWORD
This setup item is for locking or unlocking parental control. The default mode is locked. The default unlocking password is 0000.

To lock or unlock parental control:
(1) Highlight PASSWORD item and then press > or ENTER button to enter it;
(2) Input password 0000;
(3) Press ENTER button to confirm, then it will unlock or lock parental control.

*   Remove the section of the PASSWORD of the User Manual to keep this sensitive information confidential.

RATING
This setup item is for setting a new rating level of parental control.
(1) First highlight PASSWORD item to see whether parental control is locked or not. If it is in locked mode, unlock parental control referring to PASSWORD above.
(2) Highlight RATING item and press > or ENTER button to enter it, then use ^ or v button to select your desired rating level, and then press ENTER button to confirm.
(3) Highlight PASSWORD item again and then press > or ENTER button to enter it, then input password 0000, and press ENTER button to lock parental control again.

DEFAULT
This setup item is to change all parameter back to the default factory values.

2) LANGUAGE SETUP

LANGUAGE SETUP

OSD LANGUAGE
AUDIO LANG
SUBTITLE LANG
MENU LANG

EXIT

OSD LANGUAGE
This item is for selecting the type of language displayed on the screen except for
subtitle language and menu language(depending on current playing media).

AUDIO LANG
This item is for selecting the type of audio language(depending on current playing
media).

SUBTITLE LANG
This item is for selecting the type of subtitle language(depending on current
playing media).

MENU LANG
This item is for selecting the type of menu language(depending on current playing
media).

3) VIDEO SETUP

```
┌──────────────────────────────────────────┐
│  🖥️        👤🖵       ◐        🔊         │
│            VIDEO SETUP                     │
├──────────────────────────────────────────┤
│  BRIGHTNESS                                │
│  CONTRAST                                  │
│  HUE                                       │
│  SATURATION                                │
│  SHARPNESS                                 │
│                                            │
│              E X I T                       │
└──────────────────────────────────────────┘
```

BRIGHTNESS
For adjusting brightness of video output.

CONTRAST
For adjusting contrast of video output.

HUE
For adjusting hue of video output.

SATURATION
For adjusting saturation of video output.

SHARPNESS
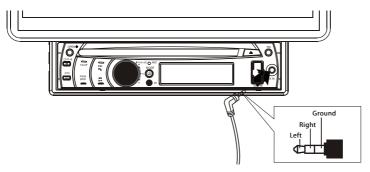For adjusting sharpness of video output.

4) **DIGITAL SETUP**

DYNAMIC RANGE
This item is for adjusting linear compression ratio. If you set it to FULL,
Peak-to-Peak value of audio signal is minimum; if you set it to OFF, Peak-to
-Peak value is maximum.

AUX IN operation

An external AV system can use the car AV system as monitor and amplifier.

1. Use an AV cable to make the car AV system and the external AV system connected through the AUX IN jack on control panel of the car AV system and the AV Out jacks of the external AV system.

2. Play the external AV system, then use MODE button or the Source Menu to enter AUX IN mode for the car AV system. By now, the program played by the external AV system can be output through the monitor of the car AV system and the speakers connected to the car AV system.

* The icons on the AUX interface descript as follows:

   - and + icons = VOL- and VOL+ buttons = VOL knob
   icon = MUTE button
   EQ icon = short pressing EQ/LOUD button
   TA icon : To switch TA mode on or off.
   AF icon : To switch AF mode on or off.
   icon : press it to pop up BT PHONE interface(after pairing and connecting a mobile phone with BT function)
   icon: To enter source menu.

3. In AUX IN mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

External iPod operation

An external iPod can use the car AV system as a monitor and amplifier.

1. Use the iPod cable to make the car AV system and the external iPod connected through the AUX IN jack on control panel of the car AV system and the headphone port of the external iPod.

Headphone port

2. Play the external AV system, then use MODE button or the Source Menu to enter AUX IN mode for the car AV system. By now, the program played by the external AV system can be output through the monitor of the car AV system and the speakers connected to the car AV system.

*   The icons on the AUX interface descript as follows:

    - and + icons = VOL- and VOL+ buttons = VOL knob
    icon = MUTE button
    EQ icon = short pressing EQ/LOUD button
    TA icon : To switch TA mode on or off.
    AF icon : To switch AF mode on or off.
    icon : press it to pop up BT PHONE interface(after pairing and connecting a mobile phone with BT function)
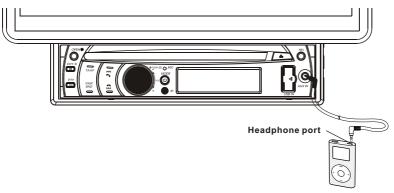   icon: To enter source menu.

3. In AUX IN mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

REAR VIEW CAMERA

The car AV system can make you look at the actual status behind your car when you change the gear level to the back position.

1. Use an video cable to make the car AV system and the rear view camera connected through the REAR CAMERA INPUT jack in the rear cabinet of the car AV system and the VIDEO OUTPUT jack of the rear view camera.

   Make the REAR CAMERA SWITCH line in the rear cabinet of the car AV system connected to (B+)12V power supply.

2. When you change the gear level to the back position, the screen of the car AV system will display the actual status behind your car.

* Note : the external monitor can not display the actual status behind your car.

Troubleshooting

Please read the user manual carefully before using the car A/V system. If you have any difficulty using this car A/V system, refer to the troubleshooting guide. If you are still unable to resolve the problem after using all the suggestions, please contact your dealer or an authorised service centre .

NO PICTURE, SOUND
* Ensure that the power switch is on.
* Ensure that the power cord is not damaged or the fuse is not blown.

NO SOUND BUT HAVE PICTURE
* Ensure that the player's audio output is properly connected to the speaker's audio input.
* Check whether the audio connector is damaged.
* Check whether you have turned down the volume.
* Ensure that the audio is not in MUTE mode.

BLACK AND WHITE PICTURE OR SCREEN ROLLING
* Ensure that you have set right mode of video system (e.g. PAL, NTSC).

FLAWS OF PICTURE OR SOUND
* Check whether disc is scratched or stained.
* Check whether AV connector and output terminal is stained.
* Check whether there is condensation inside the lens. If so, power on the player and do not work for an hour or so, then try again.

DISPLAYS: NO DISC OR BAD DISC
* Ensure that you have inserted a disc into the disc slot.
* Check whether disc is inserted with label side upwards.
* Check whether disc is bent.
* Check whether disc is stained or scratched badly.
* Ensure that disc format is compatible to the player.
* Ensure that temperature inside the car is not too high. If so, cool off until the ambient temperature returns to normal.
* Insert another disc into the disc slot.

REMOTE CONTROL IS INSENSITIVE OR DOES NOT WORK
* Check whether the lithium cell of the remote control is powerful and working properly.
* Direct the IR emitting window of the remote control to the IR sensor of main unit.
* Check whether there are some obstacles between remote control and main unit.

SOME FUNCTION BUTTONS DO NOT WORK
* Turn off ACC power, then turn on again.
* Reset unit to zero, then turn on again.
* Remove control panel from chassis, reattach it onto the chassis and then turn it on again.

RADIO DOES NOT WORK
* Check whether antenna cable is connected firmly.
* Manually tune for a station.

Specification

General
Power Supply Requirement..DC 12V
Current consumption..10A MAX.

Audio
Signal Output..2ch&4ch line out
Frequency Response..20 Hz - 20 KHz
S/N Ratio...90 dB (JIS)
Wow and Flutter...Below measurable limits

TFT Monitor
Monitor Screen Size..10.1 Inch Wide
Color System...NTSC/PAL

Disc/USB/Card
Compatible Format....Digital Video/MPEG4/VCD/IMAGE/MP3/WMA/CD

Radio
FM
Frequency range..87.5MHz - 107.9MHz
Usable sensitivity...15dBu
I.F Frequency...10.7MHz
MW
Frequency..530KHz - 1710KHz
Usable sensitivity...40dBu
I.F Frequency..450KHz

BT:
BT specification..V1.2 Class 2
BT profile supporte..
..............................Headset, Handsfree and A2DP & AVRCP profiles
Range of frequency..2.4GHz Spectrum

NOTE:
Specification and design are subject to modification, without notice, due to improvements in technology.