CALIBER

Thank you for purchasing the

RDD 772BTi

DVD/VCD/CD/MP3/USB/SD/MMC Player
Bluetooth, with FM/MW Tuner

Operating Instructions

DVD VIDEO   **WMA**   **MP3**   **EQ**   **iD3** TAG

SD CARD READER   **Bluetooth**®   (((**ESP**)))   **USB** B   18 FM 12 AM ST. PRESET MEMORY
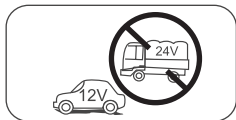
Safety Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.

Never install this unit where the operation & condition for safety driving is restrained.
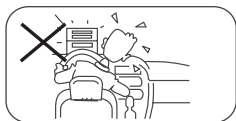
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using for rear view video camera.
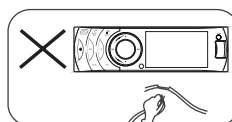

To ensure safe driving, please adjust the volume to a safe & comfortable level in case of emergency situations.

Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.
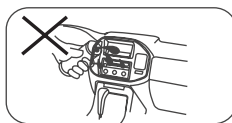
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.

Please power off this unit at once and send it back to the after-sales service center or the dealer/distributor you purchased from if one of the following symptoms is found:
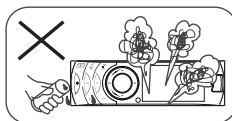
(a). No audio output;
(b). No image output;
(c). Water or other obstacle enters the unit;
(d). Smoking;
(e). Peculiar smell.

To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.

Safety Information

Caution

This product is a CLASS 1 LASER PRODUCT. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open the covers and do not repair it by yourself. Refer servicing to qualified personnel.

Two Laser Products

Wave length: CD: 780nm   DVD: 650nm
Laser power: No hazardous radiation is emitted with safety protection.
To reduce the risk of fire electric shock, and annoying interference, use only the included components.

Caution of Disc Using

1. Never insert a 3-inch (8cm) CD contained in the adapter or an irregularly shaped CD. The unit may not be able to eject it, resulting in a malfunction.
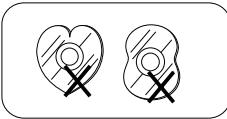
2. Disc Cleaning. Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.
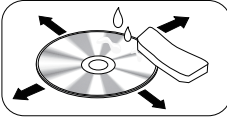
3. When playing a new disc. New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.

Rough Edges

Contents

DVD-R/RW Compatibility

It is possible to playback DVD-R/RW discs recorded with the video format and Video Recording format.

Video CDs Featuring PBC Compatibility

It is possible to playback Video CDs featuring PBC (playback control).

WMA and MP3 Compatibility

It is possible to playback WMA and MP3 files.

About WMA

The unit can playback WMA data.
Windows Media and the Windows logo are trade marks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e.revenue-generating) realtime broadcasting (terrestrial, satellite, cable and/or any other media), broad-casting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-dem and applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

Button Operation Explanations

Some frequent operations

1) Move cursor
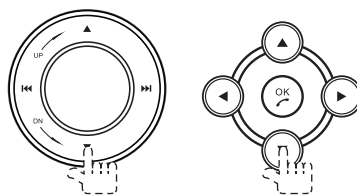
📝 Note:

In Setting mode, the **VOL** knob has the same function as the ▲ / ▼ button to select setting items.

2) Confirm

Press the ⏏ button to open the panel.

Slot, Insert disc.   Disc Eject

Panel Status Indicator   Reset Hole   Music Card Slot

Panel Controls

Power on/off: Press ⏻ to turn on/off the unit.

1. Panel open
2. - Play/Pause (in DVD, CD and MP3/WMA modes)
   - Band switch: FM1-FM2-FM3-AM1-AM2 (in Radio mode)
   - Dial/Receive call (press briefly, in BT mode)
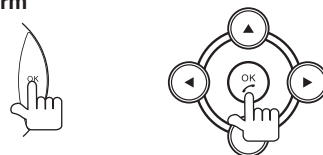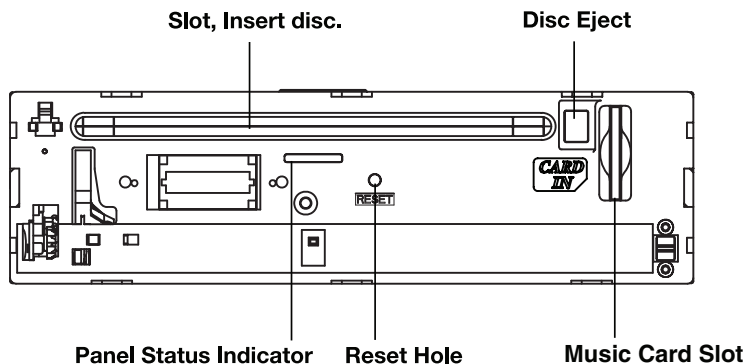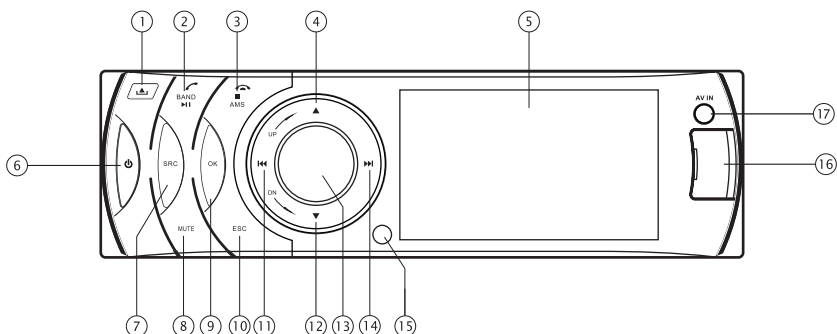   - Switch the HFP voice between unit and HFP device (press more than 2 seconds, in BT mode)
   - RDS program type (press and hold more than 2 seconds, in Radio mode)
3. - Preset scan (press briefly, in Radio mode)
   - Auto preset (press more than 2 seconds, in Radio mode)
   - Stop (in CD, MP3/WMA, and DVD video mode)
   - Terminate call (in BT mode)
4. - Press to navigate up among option items (in DVD, CD and MP3/WMA modes)
   - Play the previous preset radio station (in Radio mode)
5. 3 inch TFT display
6. Power on/off (press more than 2 seconds)
7. - Short press to select playing mode:
   • RADIO
   • DISC (when disc inserted)
   • USB (when USB inserted)
   • SD (when SD/MMC inserted)
   • AUX (front audio & video input. External peripheral devices with RCA audio and video outputs can be connected with the unit.)
   • BT
   - Long press to return to main source menu when in any mode, then use navigate button to select the desired mode, and press **OK** button to confirm.
8. Mute
9. - Confirm operation
   - Stop auto seeking (in Radio mode)
   - Connect or disconnect HFP/A2DP. (press more than 2 seconds, in BT mode)
   - Answer the incoming call.
   - Dial out

10. - Cancel source select menu and return to previous menu
    - When play back pictures/videos, press to show information.
    - Display off (press more than 2 seconds) Press any button to resume.
11. - Search the previous station automatically (press briefly, in Radio mode).
    - Search the previous station manually, and each press to seek step by step (press more than 2 seconds, in Radio mode).
    - Press to search the previous track or chapter (in CD, MP3/WMA, and DVD video mode).
    - Fast backward by 2, 4, 8, 16 step (press more than 2 seconds, in CD, MP3/WMA and DVD video mode).
    - Press to navigate left among option items
12. - Press to navigate down among option items (in DVD, CD and MP3/WMA modes)
    - Play the next preset radio station (in Radio mode)
13. - Rotate the knob to adjust volume level
    - Press to select Audio/video Setting, press ▲ / ▼ on the main unit or on the remote control to adjust level.
    - Press more than 2 seconds to Setting menu.
14. - Search the next station automatically (press briefly, in Radio mode).
    - Search the next station manually, and each press to seek step by step (press more than 2 seconds, in Radio mode).
    - Search the next track or chapter (in CD, MP3/WMA, and DVD video mode).
    - Fast forward by 2, 4, 8, 16 step (press more than 2 seconds, in CD, MP3/WMA and DVD video mode).
    - Press to navigate right among option items
15. Remote sensor
16. USB port
17. AV in

Remote Controls

## Press ⏻ to turn on/off the unit.
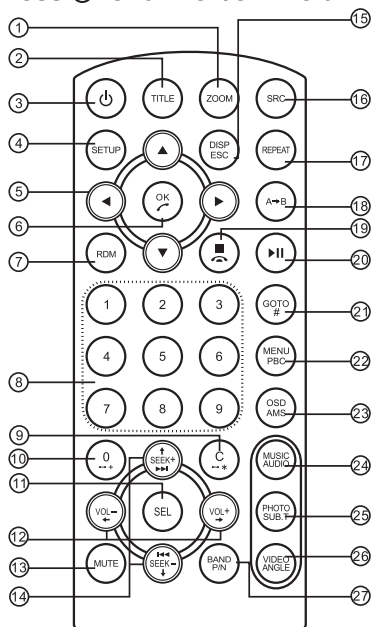
1. Zoom (DVD/VCD only)
2. Title (DVD only)
3. Power on/off
4. Setup
5. Menu cursor
6. - Confirm operation
    - Dial/Receive call (in BT mode)
7. Random playback
8. Digit buttons
9. - Short press to clear the input number. (in BT mode)
    - Long press to iInput "*"
10. - Short press to input number "0"
    - Long press to input "+"
11. Select Audio/Video Setting, then rotate the knob to adjust level.
12. Volume
13. Mute
14. - Radio tune
    - Track skip/seek
15. - DISP: Display time/clock (Video mode)
    - ESC: Return to previous menu
16. Source switch
17. Repeat
18. Repeat A-B
19. - Stop/Return
    - Terminate call (in BT mode)
20. Play/Pause
21. - Goto search (DVD/VCD only)
    - Input "#" (in BT mode)

22. - DVD menu
    - PBC (for VCD 2.0 or up)
23. - OSD: On screen display
    - AMS: Search and store stations automatically
24. - Swtch audio channel.
    - Switch DVD audio language
    - Show music list.
25. - Select DVD or DivX subtitle language.
    - Show photo list
26. - Select a difference angle/version of the current DVD scene.
    - Show video list
27. - Video system PAL/NTSC/AUTO
    - Radio band (in Radio mode)

Remote Control Operating Range

The remote control can operate within a distance of 3~5m.
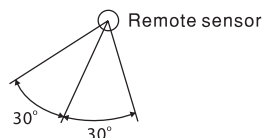
Replacing the lithium battery

When the range of operation of the card

remote control becomes short or no function, replace the lithium battery with a new one. Make sure the battery polarity replacement is correct.

1. Pull out the battery holder while pressing the stopper.
2. Insert the button-type lithium battery with the (+) mark facing upward. Insert the battery holder into the remote control.
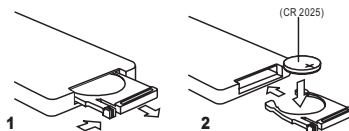
Warning

- Store the battery where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the battery or dispose it in a fire.
- Do not leave the battery with other metallic materials. Otherwise, the battery may start to give off heat, crack or catch fire.
- When throwing away or saving the battery, wrap it in tape and insulate.

USB/SD/MMC/MP3 Playback

1. Load SD/MMC Card

Insert the SD/MMC card into the slot, with the front side at right.
The unit will play the music automatically and the LCD will show CARD.

2. Take out SD/MMC Card

Press **SRC** button and switch to non CARD mode, slightly press SD/MMC card, take out the card when it pops out.
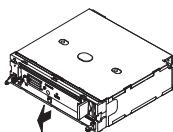
3. Load USB Equipment

Open the cap, insert the USB into the connector and the unit will play the music in the USB memory automatically, and the LCD will show USB.
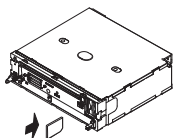

4. Take out USB Equipment

Press **SRC** button and switch to non USB mode, then take off the USB stick, close the cap.

USB/SD/MMC Notes

USB functions (flash memory type) MP3 music play

1. SD/MMC card support
2. USB flash memory 2 in 1 (SD/MMC) support
3. FAT 12/FAT 16FAT 32 is possible
   - FAT 12/16 (dir: 200 support, file: 500 support)
   - FAT 32 (dir: 200 support, file: 500 support)
4. File name: 32 byte/dir name: 32 byte /tag name: 32 byte
5. Tag (id3 tag ver 2.0)
   - Title/artist/album: 32 byte support
6. Multi card reader not support
7. USB 1.1 support
   USB 2.0 support
   (it can not support USB 2.0 speed. Just, get the same speed with USB 1.1)

📝 Note:

Not all kinds of USB devices are compatible with the unit.

Basic Operations

Turn on/off the Power

1. Press ⏻ to turn on the unit.
   The unit goes back to the last status after power on.
2. Long press ⏻ to power off.

Mute

Press the **MUTE** button to cut the sound.

📝 Note:

• Doing the operation above again or adjusting volume will release muting.
• Mute icon appears on the TFT during muting.

Adjust the Volume

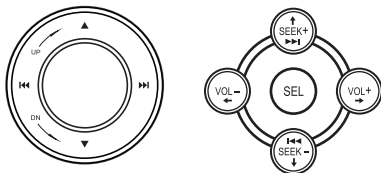Rotate the knob on the panel or press VOL +/- on the remote control to increase or decrease the volume.
The adjustable range of volume is 0 to 39.

Playing Source Selection

Method 1

Short press the **SRC** button on the panel or remote control to cycle through all the available sources.

Method 2

In any mode, long press the **SRC** button on the panel or remote control to enter main source menu, then use navigate button to select the desired mode, and press **OK** to confirm.
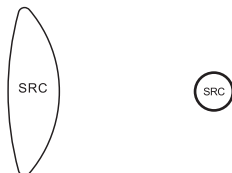
📝 Note:

• When some devices are not ready, they cannot be selected.
• You should stop switching when the playing source you desired has been selected and wait for some seconds, the unit will auto enter the playing source mode you have selected.

When Parking Brake Applied

1. If 'PRK SW' cable is connected to hand brake switch, the video display of the TFT monitor will be controlled by driving status, system setup and input video sources.
2. When the car is moving ahead, if the video disc is played, the screen appears "Warning!!! It is illegal to view video! while driving or operating a motor vehicle. Set parking brake to view video.". The above warning screen will prevent the driver watching images. The passengers at the rear seats can watch normally.

When Reverse Driving

If the rear view video camera is connected, the unit automatically switches to CAMERA source during reverse driving. The unit returns to the original work mode after the reverse driving is done.

Rotary Knob Menu

1. Rotate the knob to adjust volume level.

2. Short press to access the Audio&VIDEO Setting menu.

Each press the knob to change the AUDIO mode: EQ/Bass/Middle/Treble/Balance/Fader, and press ▲ / ▼ on the main unit or on the remote control to adjust level.

Each press the knob to change the VIDEO mode: Bright/Contrast/Saturation, and press ▲ / ▼ on the main unit or on the remote control to adjust level.
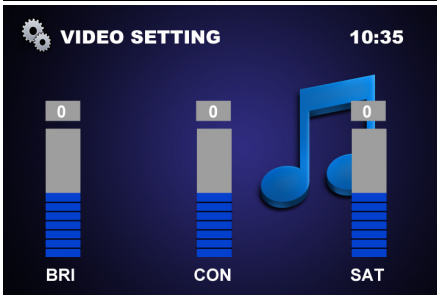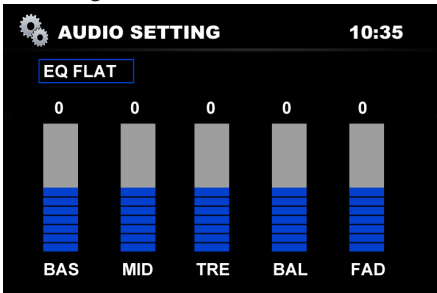
EQ: USER/FLAT/POP/ROCK/CLASSIC/ JAZZ

The Equalizer function applies preset sound effects to the unit's audio output signal. Turn the rotary encoder to select from the following equalizer options: USER, FLAT, POPULAR, ROCK, CLASSIC, JAZZ. With the equalizer function activated, if bass or treble is adjusted, the EQ Mode will revert to "USER". When the equalizer function is activated, the most recently selected bass/treble levels cannot be adjusted. When the equalizer function is not active, the unit will return to the most recently selected bass and treble levels.

3. Press the knob more than 2 seconds to enter Setting mode, then Use ▲ / ▼ / ▶▶ᴵ / I◀◀ and OK key to select setting items.

General Setting
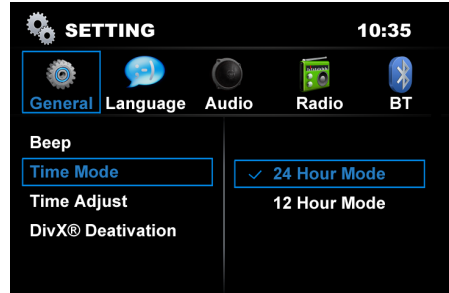
Beep: On/ Off
The beep tone feature allows the selection of an audible beep tone to be heard each time the menu is accessed.

Time Mode
24 Hour Mode: the clock displays in the type of 24 hours such as 20:18.
12 Hour Mode: the clock displays in the type of 12 hours such as 11:18 AM.

Time Adjust
Press ▶▶ᴵ or ▲ / ▼ key to set hour and minute. Each time you press ▶▶ᴵ to select one segment of the clock display:
Hour-Minute
As you select segments of the clock display the segment selected will be highlighted. Then you can rotate the knob or press ▲ / ▼ to put a clock right.

DivX® Deactivation
Display the DivX® activation information.
In order to play DivX® VOD (video on demand) contents on this unit, the unit must first be registered with a DivX® VOD contents provider.

DivX® Registration
To show the DivX® registration code and web site.

Rotary Knob Menu

Parental control

1 When "Enter password" appears on the display, input a 4-digit password by remote control (Original password: 8888), press **OK** or **ENTER** button to confirm and "Correct Password" appears.

2 Press **OK** or **ENTER**, then rotate the knob or press ▲ / ▼ key to select a rating level. The rating is from 1 to 8:
   (1) with the most limits when playing.
   (8) with the least limits when playing.

3 Press the **OK** or **ENTER** button to confirm.

Set Password

1 When "Enter password" appears on the display, input the old password by remote control, press **OK** or **ENTER** button to confirm and "Correct Password" appears.

2 Press the **OK** or **ENTER**, enter a new 4-digit password by the remote control, press the **OK** or **ENTER** button to confirm.

3 Then input the new password again for double confirm, press the **OK** or **ENTER** button and "Set Password Successful" appears.

• Original password: 8888

• If you forget your password, enter original password to unlock.

Default Settings

Load the default settings.
When the selection menu appears, press ◄/► key to select Yes or No, press **OK** or **ENTER** button to confirm.

Aspect Ratio:

4:3: For 4:3 TV picture.
16:9: For 16:9 wide screen TV.

Note:

There is no 16:9 specification for VCD; for VCD the video output only in 4:3 format; in our setting menu, 4:3 or 16:9 setting is for video monitor setting, but not mean that DVD will output video signal in 4:3 or 16:9 format; which means current our TFT is in 16:9, when we play vcd, if we want to keep the video signal without distortion, the video should not be set to full screen like 16:9.

Mirror: On/Off

This option allows for selection of a mirror image view when a rear view backup camera (sold separately) is connected to the CAMERA IN input on the back of the radio. Rotate the knob or press ▲ / ▼ key to select "On" or "Off".

Back Camera

Select back camera Battery, Ground or Off.
Battery: When the polarity of the connected lead is positive while the gear shift is in REVERSE (R) position
Ground: When the polarity of the connected lead is negative while the gear shift is in REVERSE (R) position
Off: The back camera is disabled.

AUX

Select auxiliary device on or off.

Text Scroll

Select Text Scroll on or off.

Parking: On/Off

When it is in Parking "On" mode, if you play the video disc, the screen will show "Warning!!! It is illegal to view video! while driving or operating a motor vehicle. Set parking brake to view video.".

SWC: Power/Mute/Source/Vol+/Vol-/Seek

Rotate the knob or press ▲ / ▼ key to select steering wheel control function.
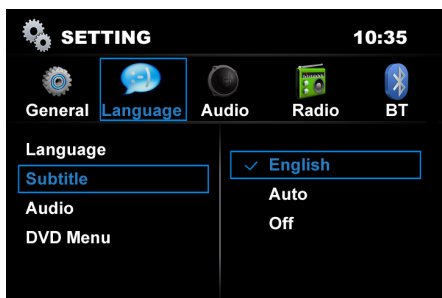
Color Select

Select the key backlight color Color1,2,3...12 or User.

Color Scan

Select Color Scan on or off.

Rotary Knob Menu

Language Setting

Language

Select one language that you are familiar with to display system menu.

Subtitle

Select one language that you are familiar with to display DVD subtitles.

If the DVD disc has the subtitle file in the selected language, the subtitle will be displayed in the selected language.
If the DVD disc does not contain the subtitle file in the selected language, the subtitle will be displayed in the default language.

Audio

Select one dialogue language that you are familiar with when playing back DVD discs.

📝 Note:

If the DVD disc has the audio file in the selected language, the dialogues you listened to will be in the selected language.
If the DVD disc does not contain the audio file in the selected language, the dialogues you listened to will be in the default language.
You can change the language by pressing **MUSIC/AUDIO** key of the remote controller.

DVD Menu

Select one language that you are familiar with to display DVD menu.

📝 Note:

If the DVD disc has the selected language, the DVD MENU/TITLE will be displayed in the selected language.
If the DVD disc does not contain the selected language, the DVD MENU/TITLE will be displayed in the default language.

Audio Setting
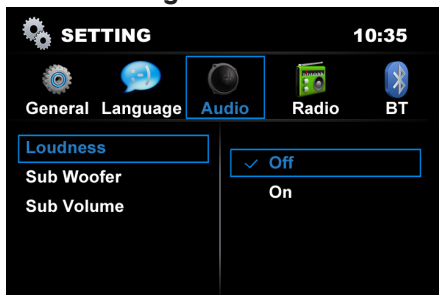
Loudness: On/Off

When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.

SubWoofer:

Selecting 80Hz, 120Hz or 160Hz to activate subwoofer-out.
Selecting subwoofer off to activate rear line-out.

Sub Volume:

Select subwoofer volume: 0 to 33.
• Sub Volume couldn't be adjusted when SubWoofer Off is selected.

Rotary Knob Menu

Radio Setting
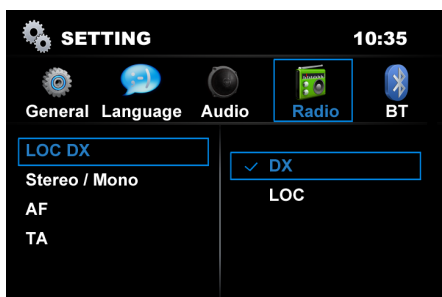
LOC DX:
Select radio local or distant.
LOC: Only stations with strong signal can be received.
DX: Stations with strong and weak signals can be received.

Stereo / Mono:
Select FM stereo or mono.

AF: On/Off
Choose AF (Alternative Frequency) on or off.
AF ON: AF function is activated.
AF OFF: AF function is disabled.
Remark: AF indicator on LCD will flash until RDS information is received. If RDS service is not available in your area, turn off the AF mode.

TA: On/Off
Choose TA (Traffic Announcements Identification) on or off.
When TA mode is turned on, the TA indicator will blink.
When traffic announcement is received, the TA indicator will display. The unit will temporarily switch to the tuner mode (regardless of the current mode) and begin broadcasting the announcement at TA volume level. After the traffic announcement is over, it will return to the previous mode and volume level. When TA is turned on, SEEK, SCAN, AMS function can only be received or saved when traffic program identification (TP) code is received.

CT: On/Off
Some stations broadcast the time and date within the encoded RDS signal. The clock time is automatically adjusted when "CT" is set to "ON".

TA Volume: 00-33
Choose TA-VOL level.

Regional: On/Off
Choose AF function to implement or ignore the regional code (of the PI) and only stations in the current region can be tuned automatically. REG ON: AF function will implement the regional code (of the PI) and only stations in the current region can be tuned automatically. REG OFF: AF function will ignore the regional code (of the PI) and stations in the other regions can also be tuned automatically.

BT Setting
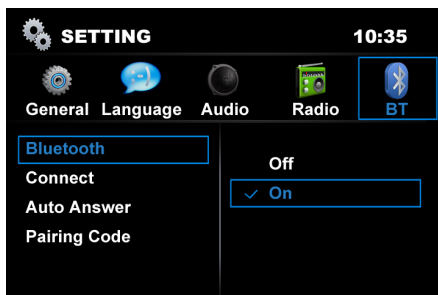
Bluetooth:
If the Bluetooth is setting is On, then the BT will be available , otherwise the BT will never work and in disable status.

Connect:
If the Connect is set to Auto, then BT of the unit will connect automatically with the HFP device which is already paired in every disconnect status (Bluetooth must be "On").

Auto Answer:
If the Auto Answer is set to Auto, then BT of the unit will answer the in-coming call automatically when the BT is already connected with your HFP device(Bluetooth must be "On"), otherwise you have to answer the in-coming call by press answer button of the remote or panel.

Pairing Code:
Change the pin code by the remote control.
Default pin code is "1234".

Radio Mode

Accessing Radio Mode

Press the **SRC** button on the front panel or remote control to switch to the Radio source.

1. Source Indicator
2. Radio Station Frequency
3. Time/Clock
4. RDS Information
5. AM/FM Band
6. Current Preset Channels
7. EQ Indicator
8. AF Indicator

Selecting a Band

Press **BAND** once or more to select FM1 - FM2 - FM3 - AM1 - AM2.
Display shows wave band, frequency, and preset station number if already stored.

Selecting a Station

Press the ►►I or I◄◄ tuning button to tune to another station.

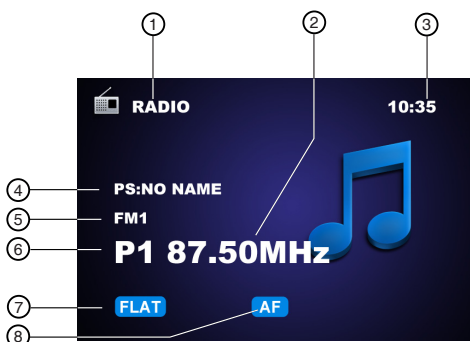## Tuning

- AUTO SEEK
Press the ►►I or I◄◄ buttons to seek the next/previous station automatically.
- MANUAL SEEK
Press and hold the ►►I or I◄◄ buttons to enter manual tuning mode. Press the buttons again to move the radio frequency number up or down one step.

📝 Note:

During manual seeking, if the pause between two operating steps is longer than 5 seconds, press the ►►I or I◄◄ buttons, the unit will enter auto seeking.

Preset Mode

Six numbered preset buttons store and recall stations for each band. The stored stations (P1-P6) for the current band can be viewed on the screen.

Storing Stations

- Auto storing
1. Select a band (if needed).
2. Press **AMS** briefly to scan the preset station P1 - P6 for 5 seconds each.
3. Hold **AMS** more than 2 seconds, the 6 strongest available stations will be automatically saved in the preset button (numbers 1-6).
- Manual Storing
1. Select a band (if needed), then select a station.
2. Press and hold a preset button (numbers 1-6) on the remote control.
3. The preset number and station is displayed and highlighted.

Recalling a Station

1. Select a band (if needed).
2. Press a remote control preset button (numbers 1-6) to select the corresponding stored station.

RDS (Radio Data System, optional)

RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available.

RDS Basics

AF (Alternative Frequency): When the radio signal strength is poor, enabling the AF function will allow the unit to automatically search another station with the same PI (program identification) as the current station but with stronger signal strength.
PS (Program Service name): The name of station will be displayed instead of frequency.

Traffic Announcements

Some RDS FM stations periodically provide traffic information.
TP (Traffic Program Identification)
 Broadcasting of traffic information
TA (Traffic Announcements Identification)
Radio announcements on traffic conditions

EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.
TA: Traffic information can be received from the current station or stations in other network.
AF: The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into. If you preset a station around the area at your home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program, EON also keeps track of locally available TP stations for quick reception.

PTY Reception (Program Type)

RDS FM stations provide a program type identification signal.
Example: news, rock, info, sport, etc.

PTY Mode:

Press **BAND** more than 2 seconds to turn on the Program Type reception, the previous PTY type is shown, then use ▲ / ▼ to select the desired program type. The selected PTY type is shown and searching starts if no other function is selected for 2 seconds. If there is no corresponding program type, NO PTY is shown and the unit will return to normal mode.

MUSIC TYPE		SPEECH TYPE
POP	M	NEWS
		AFFAIRS
ROCK	M	INFO
EASY	M	SPORT
		EDUCATE
LIGHT	M	DRAMA
CLASSICS		CULTLURE
		SCIENCE
OTHER	M	VARIED
JAZZ	M	WEATHER
		FINANCE
COUNTRY		CHILDREN
NATIONAL	M	SOCIAL
		RELIGION
OLDIES	M	PHONE IN
		TRAVEL
		LEISURE
FOLK	M	DOCUMENT
		TEST
		ALARM

Disc Mode

Accessing Disc Mode

If a disc is already in the disc slot but is not playing, press the **SRC** button on the front panel or on the remote control to switch to the DISC source. To play files from an SD or USB that is already inserted, choose the SD or USB source. The disc playback screen is indicated below:
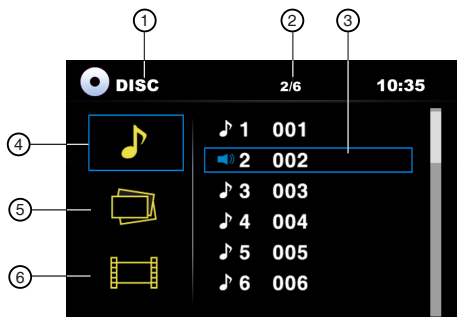
1. Source Indicator
2. Current Track/Total Track
3. Name of the Song Display
4. Audio Folder
5. Picture Folder
6. Video Folder

Insert a Disc

Press ⏏ to flip down the panel. Insert the disc into the slot, and the unit will change to disc mode automatically.

📝 Note:

• Please confirm whether there is a disc in the unit before you insert another one.
• The unit will exit current playing source and enter DVD mode when one disc is inserted.

Eject the Disc

Press ⏏ to flip down the panel. Press ⏏ to eject the disc.

📝 Note:

• After ejecting the disc, the unit reverts to radio mode.
• You can eject a disc with the unit powered off. The unit remains off after the disc is ejected.

Disc Playback

1. When disc inserted, display shows Loading. For MP3 or disc with mixed files, reading time may exceed 1 minute.

2. ERROR will be displayed if error found in disc operation.
3. For VCD/CD, VCD or CD icon will appear on the display.
4. While MP3/WMA files playback, MP3/WMA icon will appear on the display.
5. For DVD, DVD icon will appear on the display and TITLE appears. Press **ENTER** or ▶II to play.

File Type Supported

Audio file: MP3(*.mp3), WMA(*.wma)
Video file:
MP4 (*.avi, DIVX3.11/4.0/5.0/6.0)
MPEG 2 (*.vob)
MPEG 1 (*.dat)
Picture file: JPEG (*.jpg)
MP3 file:
ISO 9660 or ISO 9660 + Joliet format - Max. 30 characters.
Max. nested directory is 8 levels.
The max. album number is 99.
The max. length of each track is 99 minutes 59 seconds.
Supported sampling frequency for MP3 disc: 8KHz to 48KHz (44.1KHz preferably).
Supported bit-rates of MP3 disc are: 32 - 320 kbps (128 kbps preferably).

Disc Mode

Disc and File NOT Supported

*.AAC, *.DLF, *.M3U, *.PLS, MP3 PRO files and files with DRM.
Open session discs.

Audio/Picture/Video File Playback

When AUDIO/PICTURE/VIDEO file is played, Category/Folder/File list will be displayed on the screen, and file/folder name being played will be displayed on top. Current selected item will be highlighted.

The list lets you see the list of track titles or folder names on a disc. If you select a folder on the list, you can view its contents.

For Audio Files

1. Press **ESC** to return to playlist menu.
2. Use ▲ / ▼ to select ♪ AUDIO folders.
3. Press **OK**, ▶II on the front panel or **ENTER** on the remote control to display all available audio file folders.
4. Use ◄ / ► to enter file list and use ▲ / ▼ to select desired file, press **OK**, ▶II on the front panel or **ENTER** on the remote control to start play.
5. During the file playing, press ■ to stop, then press ▶II to return.

For Picture Files

1. Press **ESC** to return to playlist menu.
2. Use ▲ / ▼ to select ▨ PICTURE folders.
3. Press **OK**, ▶II on the front panel or **ENTER** on the remote control to display all available picture file folders.
4. Use ◄ / ► to enter file list and use ▲ / ▼ to select desired file, press **OK**, ▶II on the front panel or **ENTER** on the remote control to slide show the pictures.
5. During the file playing, press ■ to stop and return to the sub-root.

For Video Files

1. Press **ESC** to return to playlist menu.
2. Use ▲ / ▼ to select ▤ VIDEO folders.
3. Press **OK**, ▶II on the front panel or **ENTER** on the remote control to display all available video file folders.
4. Use ◄ / ► to enter file list and use ▲ / ▼ to select desired file, press **OK**, ▶II on the

front panel or **ENTER** on the remote control to start play.
5. During the file playing, press ■ to stop and return to the sub-root.

📓 Note:

1. If the selected folder does not contain any playable track, the track list is not displayed.
2. During the folder selecting, press **ESC** to the upper folder (parent folder). If the uppermost folder is listed, **ESC** cannot be used.

MP3/WMA Notes

MP3 and WMA (Windows Media Audio) music files are digital audio files that are compressed to allow more files to be stored. This unit can play MP3/WMA and video directly from files contained on a CD-R/RW, DVD-ROM, DVD+RW, DVD-RW, DVD+R, DVD-R and DVD-VIDEO, or an SD card or USB Device. Many types of software are available for converting audio files into MP3/WMA formats. Nero or Roxio Easy CD Creator are recommended. This unit can play MP3 (MPEG1, 2, 2.5 Audio Layer 3). However, the MP3 recording media and accepted formats are limited.

Entering ID3 Tag

This unit supports ID3 tag version 1.0.
For character codes, refer to the table to the below.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				0	@	P	`	p			■	°	À	Ð	à	đ
1			!	1	A	Q	a	q			¡	±	Á	Ñ	á	ñ
2			"	2	B	R	b	r			¢	²	Â	Ò	â	ò
3			#	3	C	S	c	s			£	³	Ã	Ó	ã	ó
4			$	4	D	T	d	t			¤	´	Ä	Ô	ä	ô
5			%	5	E	U	e	u			¥	µ	Å	Õ	å	õ
6			&	6	F	V	f	v			¦	¶	Æ	Ö	æ	ö
7			'	7	G	W	g	w			§	·	Ç	×	ç	÷
8			(	8	H	X	h	x			♪	†	È	Ø	è	ø
9			)	9	I	Y	i	y			©	¹	É	Ù	é	ù
A			*	:	J	Z	j	z			ª	º	Ê	Ú	ê	ú
B			+	;	K	[	k	{			«	»	Ë	Û	ë	û
C			,	<	L	\	l	|			¬	¼	Ì	Ü	ì	ü
D			-	=	M	]	m	}			®	½	Í	Ý	í	ý
E			.	>	N	^	n	~			®	¾	Î	Þ	î	þ
F			/	?	O	_	o	■			¿	¿	Ï	ß	ï	ÿ

Disc Mode

Entering File and Folder Names

Names using the code list characters are the only file names and folder names that can be entered and displayed. Using any other character will cause the file and folder names to be displayed incorrectly. The unit recognizes and plays only files with the MP3/WMA extension.

📝 Note:

A file name entered with characters not on the code list may not play correctly.

MP3 Playing Order

When selected for playing, files and folders (Folder Search, File Search or Folder Select) are accessed in the order in which they were written to the media. As a result, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA files are to be played by assigning file names beginning with play sequence numbers such as "01" to "99". For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select as shown below.

○ Root Folder
☐ Folder
♪ File

Layer1 Layer2 Layer3 Layer4 Layer5
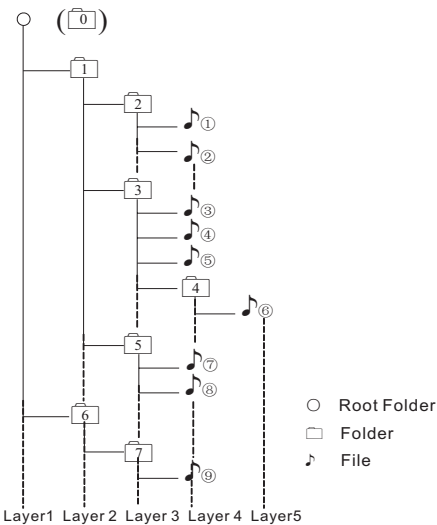
The player will only recognize three folder levels and does not display folders containing only other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain any tracks directly. Folder 5 is not recognized at all since it is at the fourth level.

Electronic Shock Protection

• 10 seconds for CD-DA (CDA)
• >45 seconds for MP3 recorded at 44.1kHz, 128kbps
• >90 seconds for WMA recorded at 44.1kHz, 128kbps

Stop Playback Temporarily

- During playback, press ▶II to pause playback.
- The sound will be muted.
- Display "PAUSE" in the TV screen.
  Press ▶II again to continue playback.
To resume normal play, repeat the operation.

Stop Playback Entirely

During DVD, VCD, CD, MP3 playback:
1. Press ■ key once stopping the playback and the relevant location on the disc is saved, press ▶II to resume the playback from the saved disc location.
2. Press ■ twice to cease the playback. Press ▶II to start the playback from the very beginning the Title page of the DVD or the first track of VCD / CD.

Select Desired Track

- Press I◄◄ or ►►I to skip to the previous/next track.
- Use 1-9 on the remote control to select desired track number.

Fast Forward/Backward During Playback

Press I◄◄ or ►►I for more than 2 seconds once or more to select X2, X4, X8, X16, to fast backward or forward track during playback.
- During the fast forward or backward operation, press ▶II briefly to playback again.
- During the fast forward or backward operation, the volume will be muted.

Disc Mode

Repeat

During playback, press **REPEAT** once or more.
- RPT icon will appear on the display.
- For VCD/CD: Display appears Repeat single → Repeat all
- For DVD: Display appears Repeat Chapter → Repeat Title → Repeat Off
- For File disc: Display appears Repeat single → Repeat folder → Repeat all

Repeat A → B

Select desired passage to repeat playback.
- Press **A → B** once to select starting point. Display shows **Rep A-**.
- Press **A → B** again to select ending point. Display shows **Rep A-B**, and selected passage start to replay.
- Press **A → B** once again to exit. Display shows **Rep A B Off**.

GOTO

Goto desired title/chapter or time point directly of video.
1 Press **GOTO** button on the remote control, search menu display on top of the screen.
2. Use ▲ / ▼ button on the front panel or the remote control to select Title, Chapter or Time, if necessary.
   The options of the search menu depends on the video type, it maybe display only one or two of the options.
3. Use ◄ / ► button to select desired title/ chapter or input the number by digit buttons.
4. Press **OK** or **ENTER** button to confirm.

PBC - Playback control (for VCD 2.0 or up)

1. If you insert a VCD with PBC, press **MENU/ PBC** button to set the PBC On/Off.
2. When PBC is set to Off, playback starts from the beginning of the 1st track automatically.
3. When PBC is set to On, the PBC menu will be displayed, use navigation buttons or digit buttons to select desired track, press **OK** or **ENTER** button to confirm the playback, then the PBC will be set to Off automatically.

DVD Audio Select

Press **MUSIC/AUDIO** to select audio language to listen if the DVD has multiple audio languages.

VCD Audio Select

Press **MUSIC/AUDIO** to select audio channel to listen.

L → R → Mix → Stereo

DVD Subtitle Select

Press **PHOTO/SUB.T** to select the subtitle language to show if the DVD has multiple language subtitles.

DVD Title Select

Press **TITLE** to display title or chapter list, use cursor or digit number to select, press **OK** or **ENTER** to play.

DVD Angle Select

Press **VIDEO/ANGLE** to select different angle to view if the DVD has multiple-angle views.

Picture Mirror

When you view a picture, press ▲ / ▼ repeatedly to mirror the picture vertically, and press ◄ / ► repeatedly to mirror the picture horizontally.

ZOOM

Press **ZOOM** button, the picture will be zoomed accordingly.

X1 → X2 → X3 → OFF

Bluetooth Operation

The Bluetooth allows you to utilize your car's built-in audio system for wireless mobile phone or music handsfree communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to retrieve phonebook contacts, received call, dialled call, missed call, incoming calls, outgoing call and listen to music.

Note:
• Do not leave the microphone of Bluetooth handsfree in the places with wind passing such as air outlet of the air conditioner, etc. This may cause a malfunction.
• If leave it in the places subjected to direct sun, high temperature can cause distortion, discoloration which may result in a malfunction.
• This system will not operate or may operate improperly with some Bluetooth audio players.
• The unit cannot guarantee the compatibility of all mobile phones together with the unit.

Pairing

1. Switch the Bluetooth on in the system setting menu. (see BT Setting)
2. Turn on Bluetooth function of your mobile phone.
3. Enter mobile phone's Bluetooth setup menu.
4. Search for new Bluetooth devices.
5. Select **RDD 772BTi** from the pairing list on the mobile phone.
6. Enter the password. (Default "1234")
7. After pairing successfully, the unit will show "HFP: Connected", "A2DP: Connected".
   If the connection doesn't establish after pairing, Use ▲ / ▼ button on the front panel or remote control to select HFP or A2DP, then long press **OK** button to connect it manually.

Main menu

Press the **SRC** button to switch the source to "BT".
"BLUETOOTH" must be ON to access to the BT source.
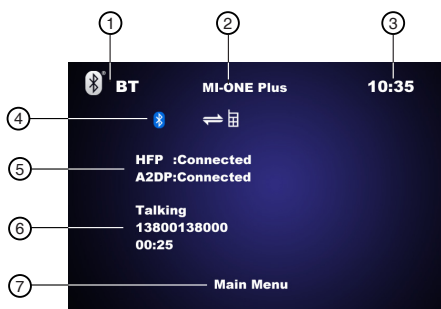
①	Source indicator
②	Device name
③	Time
④	Status indicator
⑤	HFP/A2DP status
⑥	Device Information
⑦	Indication message

Making a call

Press the **SRC** button to switch the source to "BT". Input numbers by remote control then press **OK** button on the front panel or **ENTER** button on the remote control to dial out.

Answering a call

You can answer an incoming call by pressing the **OK** or **ENTER** button.
* Press ☎ button on the front panel or remote control to hang up the current conversation or reject an incoming call.

Transfer the call

Press ►/ⅠⅠ button on the front panel or remote control to switch the HFP voice between unit and HFP device.

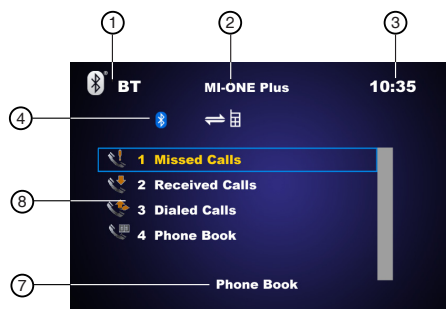*Note:*
Some cellular phones may not be able to transfer the Phone Book data.

Call from Phonebook

Long press ■ button on the front panel or remote control will toggle between BT main menu and phone book menu when BT device is connected, if BT is not connected, the menu could not be switched to phone book menu

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Bluetooth Mode

| ⑧ | Phone book list |

Use ▲ / ▼ button on the front panel or remote control to select from:

    1 Missed Calls
    2 Received Calls
    3 Dialed Calls
    4 Phone Book

Press **OK** button on the front panel or **ENTER** button on the remote control to loading the data, then the numbers list on the display.

Use ▲ / ▼ button on the front panel or remote control to select a number, press **OK** button on the front panel or **ENTER** button on the remote control to dial out.

Audio Streaming Operations
What is audio streaming?

Audio streaming is a technique for transferring audio data such that it can be processed as a steady and continuous stream. Users can stream music from their external audio player to their car stereo wirelessly and listen to the tracks through the car's speakers. Please consult your nearest dealer for more information on the product of wireless audio streaming transmitter offered.

⚠ CAUTION

Please avoid operating your connected mobile phone while audio streaming as this may cause noise or sound choppy on the song playback.
Audio streaming may or may not resume after telephone interrupt as this is dependent on mobile phone.

System will always return to Radio mode if audio streaming is disconnected.

Note:
Be sure to read the chapter "Pairing" before proceeding.

Play / Pause a track
1. Press the ►/❚❚ button to pause audio playback.
2. To resume audio playback, press the ►/❚❚ button again.

Selecting a track
Track-up
1. Press the ▶▶❘ button on the front panel or remote to move to the beginning of the next track.
2. Each time the ▶▶❘ button is pressed, playback proceeds to another track in the advancing direction.

Track-down
1. Press the ❘◀◀ on the front panel or remote to move the to beginning of the previous track.
2. Each time the ❘◀◀ button is pressed, playback proceeds to previous track in the reverse direction.

Note:
Playing order will depend on Bluetooth audio player. When ❘◀◀ button is pressed, some A2DP devices will restart the current track depends on the duration of playback.

iPod/iPhone Playback

Connect an optional iPod or iPhone to the unit by iPod/iPhone cabel. Connect the USB port to the USB connector on the front of the panel, and insert the video-out line in the AV-in jack.
When connecting a device, the unit will read the files automatically. The track information display on the screen once playback start.

Main Menu

During playback, press **ESC** button to return to the ipod playlist menu. press **ESC** again to return to the ipod main menu.
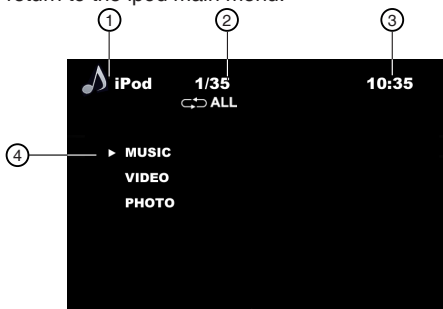
①	Source indicator	
②	Track number	
③	Time	
④	Category	

Use ▲ / ▼ button on the front panel or remote control to select "MUSIC", "VIDEO" or "PHOTO".

Select "MUSIC", press **OK** or **ENTER** button, then use ▲ / ▼ button to select PLAYLISTS / ARTISTS / ALBUM / SONGS / GENRES / COMPOSERS / PODCASTS.
Use ▲ / ▼ button and **OK** or **ENTER** button to select a desired option.
Press ▲ / ▼ button for more than 5 seconds to skip a whole page.

Select "VIDEO", press **OK** or **ENTER** button, then use ▲ / ▼ button to select MOVIE / MUSIC VIDEOS / TV SHOWS / VIDEO PODCASTS / RENTAL / VIDEOITUNESU / VIDEO PLAYLISTS.
Use ▲ / ▼ button and **OK** or **ENTER** button to select a desired option.

Select "PHOTO", press **OK** or **ENTER** button shown as below:

"Unit does not support photo browsing, Please play the iPod photo by controlling iPod."

* During video and photo playback, press **ESC** button will exit video mode, and return back to the ipod video playlist or ipod main menu.
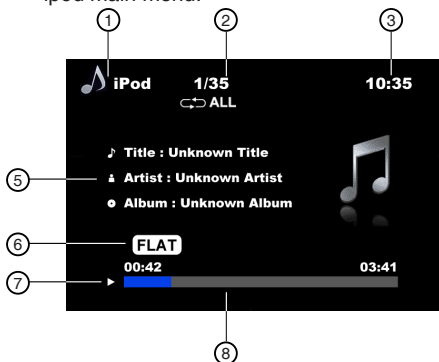
⑤	Playback information	
⑥	EQ indicator	
⑦	Playback status	
⑧	Elapsed time/Total time	

Stop playback temporarily
- During playback, press ►/❚❚ button to pause playback.
- The sound will be muted.
- Press ►/❚❚ again to continue playback.

Select desired track/chapter
- Press I◄◄ / ►►I button to skip to the previous/next track/chapter.

Fast forward/backward
Press the I◄◄ / ►►I button on the front panel for more than 2 seconds to fast backward or forward track during playback.
- During the fast forward or backward operation, press ►/❚❚ briefly to playback normally again.
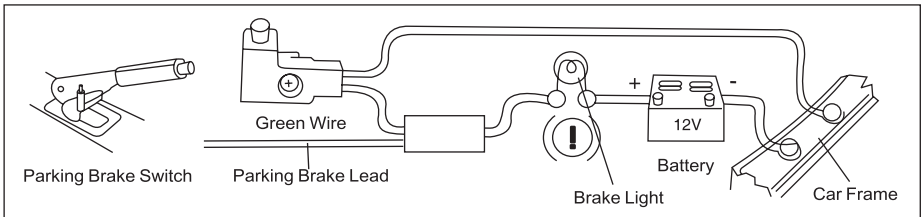- During the fast forward or backward operation, the volume will be muted.
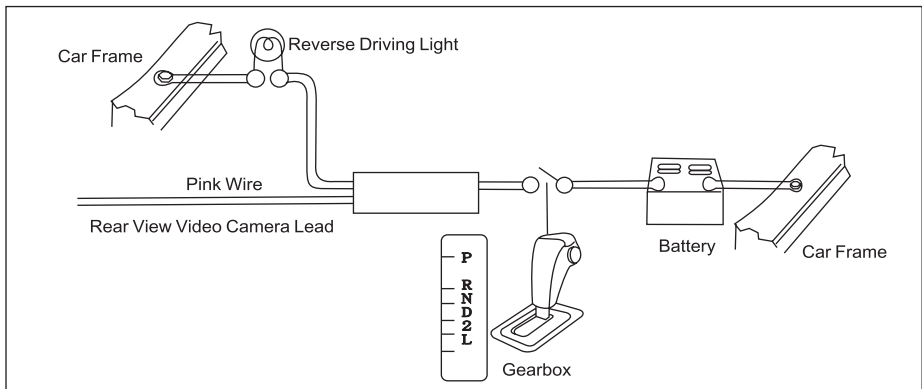
Device Connections

Notes of connection

• To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.

• To prevent short circuit in the wiring and damaging to this unit, secure all wirings with cable clamp or adhesive tape. Route the wirings in a secured, out of heating place without touching any moving parts such as gear shift, handbrake, and seat rails to prevent the wiring insulation being melted / wore off.

• Never pass the yellow power cord through the installation hole into the engine compartment and connect to the car battery. Otherwise, a high possibility of serious short circuit to the electrical system may be occurred.

• Replacing a new fuse with 15A rating when the old one is broken, using no fuse or fuse with improper rating may cause damage to this unit or even fires.

If a proper fuse is installed and electrical problems still occur, please contact with any professional car shops for inquiry.

• DO NOT connect other equipments with the car battery to avoid battery overheating.

• Please make sure all the wiring connections & the cables of the Speakers are well-insulated. Otherwise, this unit may be damaged by short circuit.

• If there is no ACC available, please connect ACC lead to the power supply with a switch.

• If an external power amplifier is connected, please don't connect P.CONT lead to the power lead of the external power amplifier, otherwise, electric spark or other damage may be resulted.

• Never ground the speaker output to prevent the damage to the built-in power amplifier.

• The minimum rating of the speakers connected to this unit is 50W with 4 to 8 impedance.
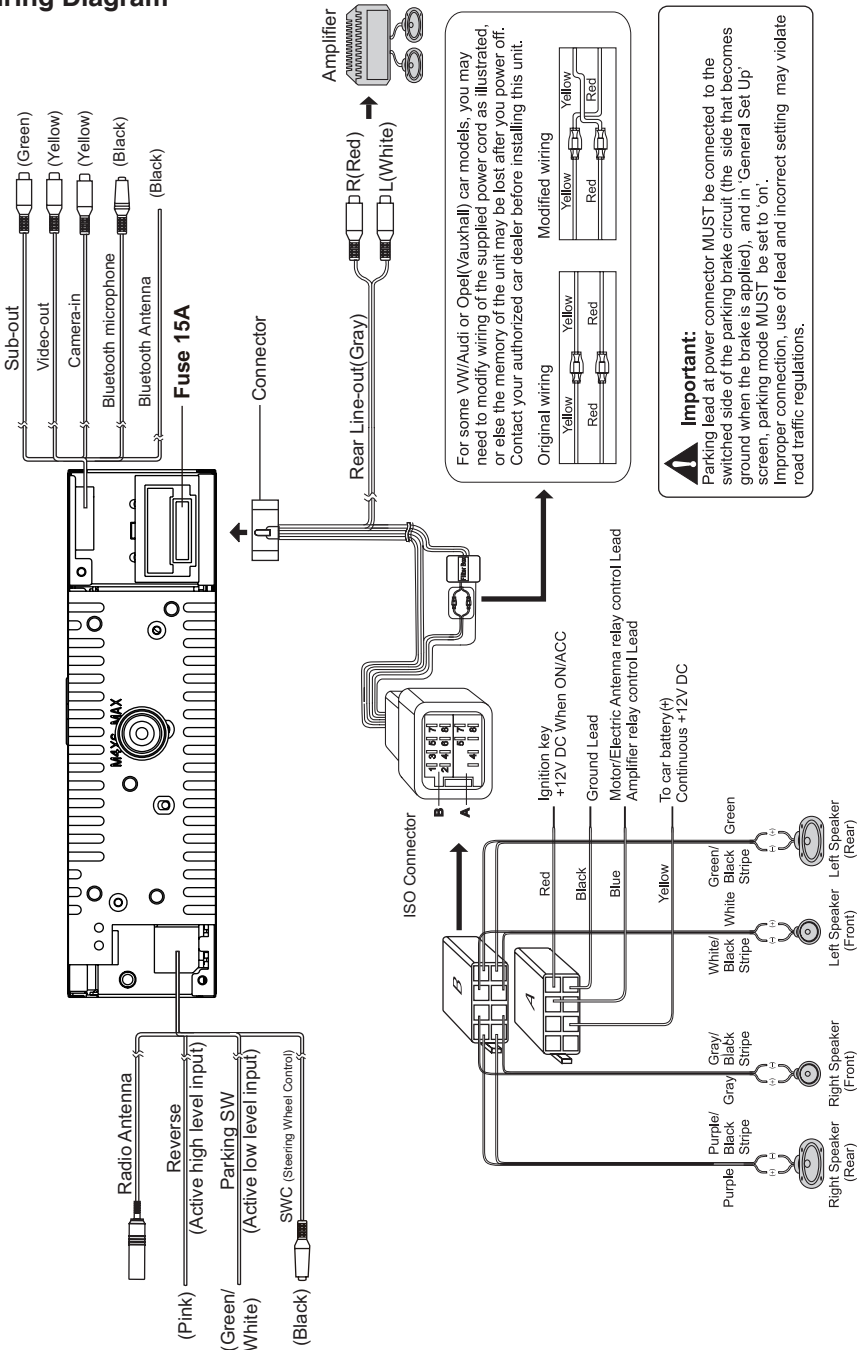
Parking Brake Cable Connections

Green Wire

Parking Brake Switch   Parking Brake Lead

+   -

12V

Battery

Brake Light

Car Frame

Reverse Driving Cable Connections

Car Frame

Reverse Driving Light

Pink Wire

Rear View Video Camera Lead

P
R
N
D
2
L

Gearbox

Battery   Car Frame

Wiring Diagram

Device Connections

Using the ISO Connector

1. If your car is equipped with the ISO connector, then connect the ISO connectors as illustrated.
2. For connections without the ISO connectors, check the wiring in the vehicle carefully before connecting, incorrect connection may cause serious damage to this unit.

   Cut the connector; connect the colored leads of the power cord to the car battery, as shown in the color code table below for speaker and power cable connections.
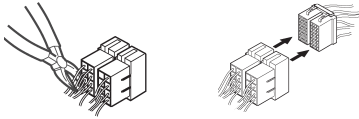
Location	Function	
	Connector A	Connector B
1		Rear Right (+) - Purple
2		Rear Right (-) - Purple / Black Stripe
3		Front Right (+) - Gray
4	Battery 12V(+)/Yellow	Front Right (-) - Gray / Black Stripe
5	ANT/Amp control /Blue	Front Left(+) - White
6		Front Left(-) - White / Black Stripe
7	ACC+/Red	Rear Left (+) - Green
8	Ground/Black	Rear Left (-) - Green/ Black Stripe

Installation Guide

Preparation

1. Disconnect battery

Before you begin, always disconnect the battery negative terminal.

📝 Note:

If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

### 2. Remove transport screws

⚠ IMPORTANT:

Remove these two transport screws before installation. Otherwise, the DVD player will not work.

3. Remove unit from sleeve

Lift latches on both sides of sleeve to remove half-sleeve from the unit.

Mounting Sleeve Installation

1. Slide the mounting sleeve off the chassis. If it is locked into position, use the removal tools (supplied) to disengage it.
2. Check the dashboard opening size by sliding the mounting sleeve into it.
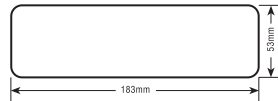
If the opening is too small, carefully cut or file as necessary until the sleeve easily slides into the opening. Do not force the sleeve into the opening or cause it to bend or bow. Check for sufficient space behind the dashboard for the unit chassis.

This unit can be installed in any dashboard with a suitable 183 mm (W) x 53 mm (H) opening as shown above. The dashboard should be 4.75 mm - 5.56 mm thick in order to be able to support the unit.

3. Locate the series of bend tabs along the top, bottom, and sides of the mounting

sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary to firmly secure the sleeve to the dashboard.

CAUTION:

For proper operation of the DVD player, the chassis must be mounted within 20° of horizontal. Make sure the unit is mounted within this limitation.

4. Place the unit in front of the dashboard opening so the wiring can be brought through the mounting sleeve. Follow the wiring diagram carefully and make certain all connections are secure and insulated with wire nuts or electrical tape. After completing the wiring connections, turn the unit on to confirm operation (vehicle ignition must be on). If the unit does not operate, re-check all wiring until the problem is corrected.
5. Make sure the radio is right-side up, then carefully slide the radio into the mounting sleeve until it is fully seated and the spring clips lock it into place.
6. Secure the rear of the unit to the car body using the mounting bolt and rubber cushion.
7. Test the unit using the "Operation" instructions that follow.
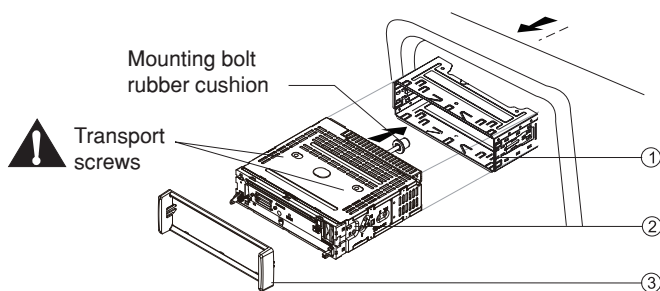
Kit Installation

If your vehicle requires the use of an installation kit to mount this unit, follow the instructions included with the installation kit to attach the unit to the mounting plate supplied with the kit.

1. Wire and test the unit as outlined in the Mounting Sleeve Installation instructions.
2. Install the radio/mounting plate assembly to the sub-dashboard according to the instructions in the installation kit.
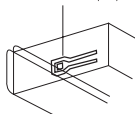3. Replace the dashboard trim panel.

ISO Installation

This unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some vehicles to mount the radio to the dashboard. Please consult with your local car stereo shop for assistance on this type of installation.

1. Remove the existing factory radio from the dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Carefully unsnap the plastic frame from the front of the new unit chassis. Remove and discard the frame.
3. Remove the factory mounting brackets and

Mounting bolt
rubber cushion

Transport
screws

Lock lever (※)

1. **Mounting sleeve**
2. **The rear of the unit**
3. **Trim plate**

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hardware from the existing unit and attach them to the new unit. Do not exceed M5 x 9mm maximum screw size. Longer screws may damage components inside the chassis.

4. Wire the new unit as outlined in the Mounting Sleeve Installation instructions.
5. Mount the new unit assembly to the dashboard or center console using the reverse procedure of step 1.

Reset
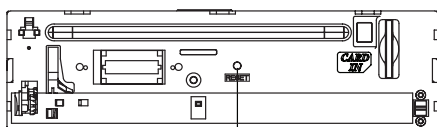
Reset

The **RESET** button is located behind the front panel and can only be accessed with the front panel opened. Resetting the unit will erase the time and preset memories. It should only be activated upon initial installation after all wiring is complete, or if there is a malfunction of any of the switches on the unit. In these circumstances, pressing the **RESET** button will clear the system and return the unit to default operation.

Fuse

When replacing a fuse, make sure the new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio.

Reconnect Battery

When wiring is complete, reconnect the battery negative terminal.

This unit is designed with a flip-down detachable panel.

The panel can be detached and taken with you, helping to deter theft. To detach the front panel, perform the following steps:
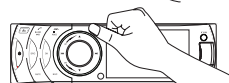
Remove the Panel

1. Press ⏻ to switch off the power of the unit.
2. Press ⏏ to flip down the panel.
3. Grasp the right side to release the front panel and then pull it at an angle to remove the right side from the chassis.
4. Store the front panel in the supplied carrying case to protect it from dirt and damage, and take it with you to prevent theft.
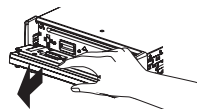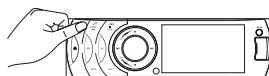
Re-attach the Front Panel

1. With the panel laying flat (in the "open" position), insert the left side of the panel in place until correctly engaged.
2. Gently press the right side of the panel until the mechanism locks it into place.
3. Lift upward to close the panel.
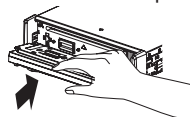
Remove the Unit

1. Remove the panel and the trim plate.
2. Remove the trim ring by firmly grasping one side and pulling.
3. Insert the removal keys straight back until they lock, then pull the radio out. If the removal keys are inserted at an angle, they will not lock properly and will not release the unit.
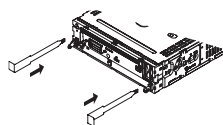
Troubleshooting

If you suspect something is wrong, immediately switch power off. Immediately stop using it and call the store where you purchased it. Never try to repair the unit by yourself because it is dangerous to do so.

Problem	Possible cause	Solution
General		
No Power	Car ignition is not on. Cable is not properly connected. Fuse is burnt.	Turn your car key in the ignition. Check cable connection. Replace fuse with a new fuse of the same capacity.
No Sound	Volume is set at minimum or the mute function is on.	Check the volume or switch the mute function off.
The unit or screen does not function normally.	The unit system is unstable.	Press the RESET button.
DVD mode		
The unit does not play disc.	The disc is inserted incorrectly. The disc is dirty or damaged.	Disc must be inserted with the label side facing up. Clean the disc and check for damage. Try another disc.
Sound skips due to vibration.	Mounting angle is over 30˚. Mounting is unstable.	Adjust mounting angle to less than 30˚. Mount the unit securely with the supplied parts.
TUNER mode		
Unable to receive stations.	The antenna is not connected properly.	Connect the antenna properly.
Poor quality reception of radio station.	The antenna is not fully extended or it is broken.	Fully extend the antenna and if broken, replace it with a new one.
Preset stations are lost.	The battery cable is not properly connected.	Connect the permanent live on the unit to the permanent live on the vehicle.
USB/SD/MMC mode		
Unable to insert USB device or SD/MMC card.	The memory card or USB device has been inserted the wrong way round.	Insert it the other way around.
The USB device or SD/MMC card cannot be read.	NTFS format is not supported.	Check that the USB/SD/MMC file system is in FAT or FAT32 format. Due to different formats, some models of USB storage devices or MP3 players may not be read.
Remote control		
The remote control is not working or does not work properly	The batteries are low or empty.	Change the batteries.

Care and Maintenance

DVD Player

The following guidelines will help you extend the life of your DVD player:

1. When cleaning the vehicle interior, do not get water or cleaning fluids on the unit.
2. The DVD player will not operate properly in extreme hot/cold or under damp conditions. In case of such conditions, wait until the vehicle interior reaches a normal temperature or any condensation on the disc player lens has evaporated before using the player.
3. Always remove the disc when the player is not in use.
4. The unit is designed with a vibration dampening disc mechanism to minimize interruption of disc play due to normal vibration in a moving vehicle. However, occasional sound skips may occur when driving on very rough roads. This will not scratch or damage the disc, and normal play will resume when the rough conditions cease.

CD-R and CD-RW Capability

Depending on media type and method of "recording/burning", some CD-R/RWs may be incompatible with this unit. After "recording/burning", the session must be closed. Please refer to your software's recommended procedures for closing a disc/session. Review your recording software to familiarize yourself with the correct "recording/burning" procedures. We recommend using the latest versions of ROXIOTM or NEROTM burning software.

In addition, this unit will only recognize the CDDA (Compact Disc Digital Audio), .MP3 and .WMA formats "recorded / burned" onto a CD-R/RW. This unit does not support .WAV, .OGG or other formats.

Disc Care and Handling

Dirt, dust, scratches and warpage can cause skips in the playback and deterioration of sound quality. Please follow these guidelines to take care of your compact discs.

1. Do not touch the disc surface.
2. Never use chemicals such as record sprays or household cleaners to clean discs, as they can irreparably damage the disc's surface.
3. Discs should be kept in their storage cases when not in use.
4. Do not expose discs to direct sunlight, high temperatures or high humidity for long periods.
5. Carefully wipe fingerprints, dust and dirt from the disc's playing surface with a soft cloth. Wipe in a straight motion from the inside to the outside of the disc.
6. Do not put sticker paper, tape or disc labels on disc surfaces, as internal damage may occur.

Specifications

General

Power supply	12VDC (11V-16V), Test voltage 14.4V, negative ground
Maximum power output	45W x 4 channels
Continuous power output	20W x 4 channels (4Ω 10% T.H.D.)
Suitable speaker impedance	4-8ohm
Pre-Amp output voltage	2.0V (CD play mode: 1KHz, 0dB, 10KΩ load)
Fuse	15A
Dimensions (WxHxD)	178 x 50 x 166mm
Weight	1.7kg
Sub-out	2.0V (CD play mode: 61Hz, 0dB, 10KΩ load)
Aux-in level	$\geqslant$500mV

3 Inch (16:9) TFT LCD

Display resolution (dot)	960(W)×240(H)
Active area (mm)	65.52×36.84
Screen size (inch)	2.96 (Diagonal)
Dot pitch (mm)	0.06825 x 0.1535
Contrast ratio	300
Brightness	350nits

FM Stereo Radio

Frequency range:	87.5-108.0MHz (Europe)
	87.5-107.9MHz (America)
Usable sensitivity	8dBμ
Frequency response	30Hz-15KHz
Stereo separation	30dB(1KHz)
Image response ratio	50dB
IF response ratio	70dB
Signal/noise ratio	>55dB

AM(MW) Radio

Frequency range	522-1620KHz (Europe)
	530-1710KHz (America)
Usable sensitivity (S/N=20dB)	30dB

Disc Player

System	Disc digital audio system
Frequency response	20Hz - 20KHz
Signal/noise ratio	>80dB
Total harmonic distortion	Less than 0.20% (1KHz)
Channel separation	>60dB
Video signal format system	NTSC/PAL 60/PAL/AUTO
Video output	1 $\pm$ 0.2V

Components

Mounting sleeve	1
Machine screws M5x6 mm	4
Mounting bolt (50 mm)	1
Wire connector	1
Removable face plate case	1
Trim plate	1
Removal key	2
Operating Instructions	1
Rubber cushion	1
Remote control	1

📝 Note:

Specifications and the design are subject to change without notice due to improvements.