# NCE2DBT

## Instruction Manual

**6.2" TOUCH SCREEN DVD / MULTIMEDIA PLAYER - RECEIVER & BLUETOOTH**

# 60Wx4 HIGH POWER

**DVD** VIDEO    **disc** COMPACT DIGITAL AUDIO    **AM/FM** RADIO TUNER    **MP3**    **SD**    **USB**    touch SCREEN    **Bluetooth**

# 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've 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.
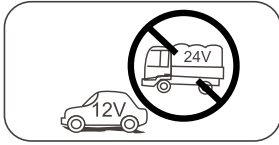


Never install this unit where the operation & condition for safe driving is impaired.
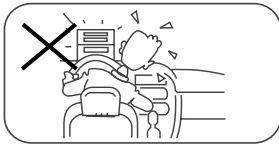


Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.
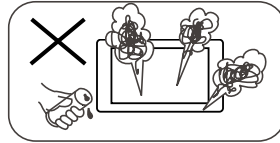


Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.
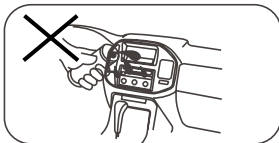


Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.
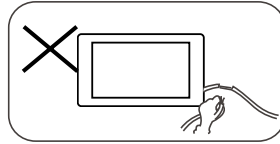


Please contact your nearest dealer if one of the following symptoms is experienced:



(a). Water or other objects enters the unit.
(b). There is smoke.
(c). Peculiar smell.

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

1

1. Never disassemble or adjust the unit without any professional guidance.
   For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in  scratching or decoloration to the monitor.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.
4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using the car heater in low temperature environment may result in moisture inside the unit, DO NOT use the unit in this situation. Eject the disc and wipe off the moisture on the disc. If the unit still doesn't work after a few hours, please contact the service center.
6. Do not impact the LCD monitor which could cause damage.
7. To prevent damage to the screen, avoid touching it with sharp objects.
8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.
   However, some illustrations are different from the actual images displayed on the screen.
9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.
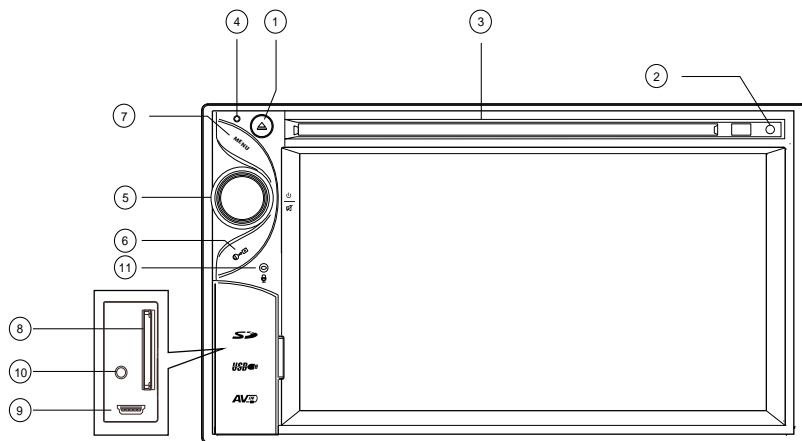
## Expanding Systems
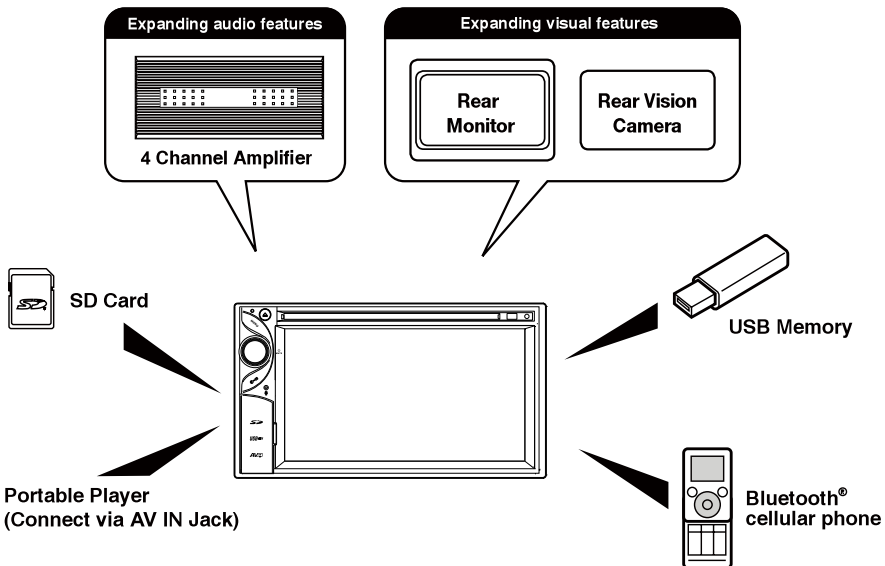


**Note:**
The items listed outside of the frame are the commercial products generally sold.

# Contents

**Front Panel**



**Notice:**
The graphic in this manual is for reference only, and may be different from the actual unit. Reference to actual unit is suggested.

1. **[ ⏏ ] Button**
   Press to eject a disc.
2. **Remote Sensor**
3. **Disc slot**
4. **Reset Hole**
   Press to reset system settings to factory default (except password and parental lock settings).
5. **[VOL / ⏻ / MUTE / ⌀] Knob**
   Rotate to adjust the volume.
   Press momentarily to activate the MUTE function. Press again to resume normal listening.
   Press to turn the unit ON. Press and hold to turn the unit OFF.
6. **[ ☀ ] Button**
   Adjust the brightness of screen.
7. **MENU Button**
   Press to switch between the available audio/video sources applied to the unit.
8. **SD Interface Connector**
   Insert an SD card for playback of music/video files.
9. **Mini USB Connector**
   Connect a USB device for playback of music/video files.
10. **A/V Input**
    Accepts a 3.5mm jack through which signals from various audio/video devices can be applied to the unit.
11. **MIC**
    Built in microphone for bluetooth handsfree.

## Remote Control
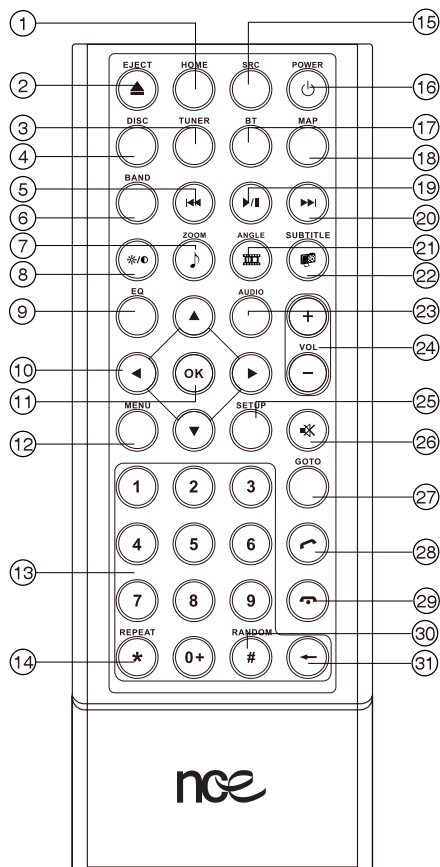


1. Return to the home menu
2. Eject the disc
3. Access to tuner source
4. Access to disc source
5. - Search an available radio station by decreasing tuning frequency
   - Select the previous chapter/track for playback
6. Select radio band
7. - Zoom in (Picture menu of CD/USB/SD)
   - Access to music list (Auido menu of music playing)
8. Adjust screen settings
9. Open EQ menu
10. Menu cursor
11. Enter
12. - Open route menu (DVD)
    - Turns on/off PBC (VCD)
13. Digit area
14. Repeat playback
15. Change to next source
16. Power on/off
17. Access to Bluetooth source
18. Access to navigation source
19. Pause playback/Start playback
20. - Search an available radio station by increasing tuning frequency
    - Select the next chapter/track for playback
21. - Playback disc in different angle for a scene (DVD)
    - Rotate (photo playing)
    - Access to video list
22. - Language selection for subtitle (DVD)
    - Access to photo list
23. Change the audio language for disc playback (DVD)
24. Increase/Decrease volume
25. Access to settings source
26. Mute On/Off Audio Output
27. Activate direct access mode
28. Dial/Receive a call
29. Hang up
30. Play all chapter/tracks in random order
31. - Press to clear the number one by one
    - Hold to clear all the numbers

## Notes on Remote Control Usage

1. Aim the remote control at the remote sensor on the unit.
2. Replace the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control in direct sunlight or in high temperature environment, or it may not function properly.
4. The battery can work for 6 months under normal condition. If the remote control won't work, please change the battery.
5. Use"button shaped" lithium battery"CR2025"(3V) only.
6. DO NOT recharge, disassemble, heat or expose the battery in fire.
7. Insert the battery in proper direction according to the ( + ) and ( - ) poles.
8. Store the battery in a place where children cannot reach to avoid the risk of accident.

**Uninstall Battery**

Slide out the battery compartment tray at the bottom on the back of the remote control.
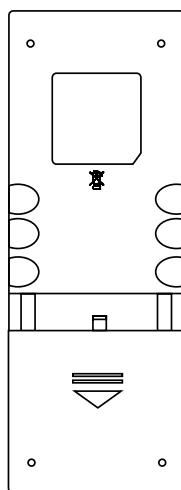
**Install Battery**

Use button-shaped lithium battery CR2025 (3V)" only. Insert the battery to the battery tray with proper direction according to the (+) and (-) poles.

PULL OUT
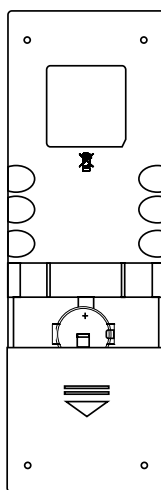
PUSH IN

## Parking Brake Inhibit
• When the "BRAKE" cable is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is applied.
• Parking brake function is overridden when the video source is set to REVERSE.
• When the parking brake inhibit is active, the front monitor displays "Warning!!! It is illegal to view video while driving or operating a motor vehicle. Set parking brake to view video.", preventing the driver from watching content while driving. Rear video screens are not affected.

## Mute
Press [ VOL / ⏻ /MUTE ⊠ ] knob to mute the volume from the unit. Press again to restore the volume. Adjusting the volume or using any of the audio setup features cancels the mute function.

## Power On / Off
Press the [VOL / ⏻ /MUTE ⊠] knob on the unit to turn the unit on. The buttons on the front of the unit light up for a moment and the current mode status appears in the LCD.
Press and hold the [VOL / ⏻ /MUTE ⊠] knob to power off the unit.

## Audible Beep Confirmation
An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

## Playing Source Selection
Press the MENU button on the front panel to display the playing source menu.
1. ‹‹‹ or ›››: Touch to view the previous or next page of playing sources.
2. Playing source icon: Touch to access corresponding work mode.
3. Clock
4. EQ: Touch to access Equalizer level settings menu.

## Volume Adjustment
To increase or decrease the volume level, turn the [ VOL / ⏻ / MUTE ⊠] knob on the front panel. The volume range is from "0" to "50". The LCD or TFT screen displays the volume level for 3 seconds.

## EQ Menu
The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

7

# Basic Operations

## Select Preset Equalizer

1. Enter the EQ setup mode
   Touch the [ ᴵᴸᴵ ] icon in the user interface and the EQ setup interface will display on the screen.
2. Select EQ mode
   Touch the desired EQ selection: [ Optimal ] / [ Classic ] / [ Rock ] / [ Jazz ] / [ Techno ] / [ Pop ], and the EQ mode will change.

## Adjust EQ Parameters

To adjust EQ parameters, touch and drag the parameters adjustment bar.

[ User ]: Set the desired audio effect.
[ Flat ]: Select the original audio effect.
[ Reset ]: Cancel the equalizer function settings.
[ Loud: On/Off ]: When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.

## Adjust FAD BAL

You can adjust front/back/left/right balance of the speaker and the subwoofer volume to get balanced listening effect according to the surroundings and your interest.

1. Enter the EQ setup mode
   Touch the [ ] icon in the user interface and the EQ setup interface will display on the screen.
2. Adjust subwoofer volume
   Touch [ ▲ ] / [ ▼ ] or drag [ ] to adjust subwoofer volume from -12 to +12.
3. Adjust fader / balance value
   Touch [ ▲ ] / [ ▼ ] / [ ◄ ] / [ ► ] to adjust fader / balance value from -12 to +12.
   [ ▲ ]: Front speaker
   [ ▼ ]: Rear speaker
   [ ◄ ]: Left speaker
   [ ► ]: Right speaker

**Notes:**

1. The parameters of the EQ modes has been preset and you can not change them besides 'User'.
2. The EQ mode will change to 'User' automatically when you adjust the frequency value under the modes besides 'User'.
3. The value of Sub is independent of EQ mode and can be adjusted separately.

## Set Date /Time

1. Touch [ ⚙ ] on the playing source menu.
2. Touch [ Time ].
   The date/time setup menu is displayed.



## Set Date

1. Touch [ Date ].
2. Touch the date information on the screen.
   A submenu is displayed.
3. Touch [ ▲ ] or [ ▼ ] to set year, month and day.

## Set Clock Mode

1. Touch [Clock mode].
2. Touch [12Hr] or [24Hr] to switch clock mode.

## Set Time

1. Touch [ Time ].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [ ▲ ] or [ ▼ ] to set hour and minute.

**Tip:**
When date/time is set, touch [ Save ] to confirm or [ Cancel ] to exit.

# Radio Mode

## Tuner TFT Display

1. Touch to view the SOURCE MENU and select a new playback source
2. Strong Local signal broadcasting indicator
3. Current radio band indicator
4. Broadcaster information stored at the preset
5. Touch to view more on-screen buttons
6. Touch to seek backward
7. Search stations automatically
8. Touch to seek forward
9. Touch to change between AM/FM bands
10. Clock
11. Current preset radio station
12. Current radio information
13. Save the desired radio station
14. Touch to change between Local and Distance
15. Enter frequency directly
16. Touch for quick access to Equalizer level settings
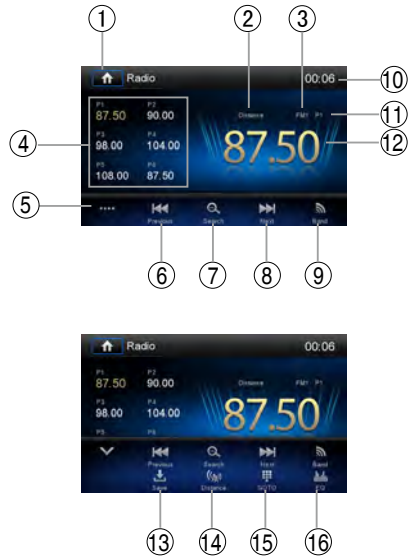
## Select Radio as Playing Source
Open the Source Menu and then touch [Radio].

## Select One Radio Band
Touch the [ 🔊 ] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.

## Tune
### Auto Tuning
Press and hold [ ◄◄ ] / [ ►► ] icon on the user interface more than 1 second to seek a higher / lower station.
To stop searching, repeat the operation above or press other keys having radio functions.

**Note:**

When a station is received, searching stops and the station is played.

### Manual Tuning
**Method 1:**
During manual tuning, the frequency will be changed in steps.
Touch the [ ◄◄ ] / [ ►► ] icon on the user interface to tune in a higher / lower station.

**Method 2:**
1. Touch the numeric keypad icon [ ⦂⦂ ]. Numeric keyboard is displayed, touch numbers to input frequency.
2. Touch [ ◁× ] to delete the input numbers step by step.
3. Touch [ OK ] to enter.

## Preset Station
The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

### Search Stations Automatically
Touch [ 🔍 ] to search station and store 6 strongest stations in current band automatically.

### Manual Store
1. Tune to a station.
2. Touch [ 📥 ].
3. Touch one of the channels P1 to P6 to save the select band.

### Tune to a Preset Station
1. Touch [Radio].
2. Select a band (if needed).
3. Touch one of the preset channels (P1 to P6) on the screen.

## Local Seeking
Touch the [ 📡 ] icon and choose the Radio Local or Distance.
When the [ 📡 ] icon turns bright, only stations with a strong signal strength will be detected . Default is "Distance".

## EQ Selection
Press the [ 📊 ] icon and enter the EQ setup.

## Load a Disc

You can play video, audio or images stored on the following discs:
• DVD Video, DVD-R, DVD-RW
• VCD
• Audio CD, CD-R, CD-RW

**Note:**
Ensure that the disc contains playable content.

## Eject a Disc

Press the [ ▲ ] key on the front panel to eject the disc. When the disc is ejected, the unit switches to the previous source.

## Touch Screen Controls

The touch key areas for DVD playback are outlined below:
   A: Return to the main menu
   B: Play the video and display playback information
   C: Display onscreen control menu
   D: Time display
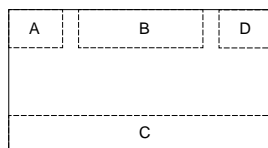
## Controlling Playback

To access the on-screen controls, touch the screen except upper left corner, and touch again to cancel display. Touch [ •••• ] to view all function icons.

## Connect USB Device

1. Open the USB door.
2. Connect an USB device into the USB connector.
   Play starts automatically.

## Remove USB Device

1. Select other source on the main menu.
2. Remove the USB device.

## Insert SD Card

1. Open SD card cover.
2. Insert the SD card into the SD card slot.
   Play starts automatically.

## Remove SD Card

1. Select other source on the main menu.
2. Press the card until you hear a click sound.
3. Remove the SD card.

## Play/Pause

1. Once a disc, USB or SD card is inserted, play starts automatically.

For DVD movie, if a menu appears, press [ ▶ ] to start play.
2. To pause, touch [ ❚❚ ].
   To resume play, touch [ ▶ ].
3. Skip to previous / next track / chapter, press [ ◄◄ ] / [ ►► ] key.



## Previous/Next

Touch [ ◄◄ ] / [ ►► ] key on the screen to skip to previous / next track / chapter.



## Search for a Folder
### For Audio Files

1. Touch [ ♪ ] to display all available audio folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

### For Video Files

1. Touch [ ▦ ] to display all available video folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.



### For Picture Files

1. Touch [ ▣ ] to display all available picture folders
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

### For Folder Control

1. Touch [ 🔍 ] to display all available folders
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

## Repeat
### For DVD/VCD movie disc:

1. Touch bottom half of the screen to display menu on the screen,
   if necessary.
2. Touch [ •••• ] to display the 2nd menu.
3. Touch [ ⇄ ] repeatedly to select:

   DVD

   [ ⇄ ] Repeat chapter: Play the current chapter repeatedly.

   [ ⇄ ] Repeat title: Play all chapters in the title repeatedly.

   [ ⇄ ] Repeat all: Play all in the disc repeatedly.

   [ ⇄ ] Repeat off: Cancel repeat play.

   VCD

   [ ⇄ ] Repeat single: Play the current single repeatedly.

   [ ⇄ ] Repeat all: Play all in the disc repeatedly.

   [ ⇄ ] Repeat off: cancel repeat play.

**For CD/MP3 files:**
1. Touch anywhere except the upper left corner to display menu on the screen, if necessary.
2. Touch [ ⇄ ] repeatedly:

   [ ⇄ ] Repeat single: Play the current single repeatedly.

   [ ⇄ ] Repeat all: Play all in the disc or storage repeatedly.

   [ ⇄ ] Repeat off: Cancel repeat play.

## Repeat A-B
You can repeat a specific of video file (repeat A-B).
1. Touch the screen to display control menu, if necessary.
2. Touch [ •••• ] to display the 2nd menu, if necessary.
3. Touch [ A-B ] repeatedly to mark:
   Repeat A-: the start of the section to repeat.
   Repeat A-B: the end of the section to repeat.
   The selected section plays repeatedly.
4. To exit A-B repeat mode, touch A-B repeatedly, [Repeat A-B off] is displayed.

## Shuffle (Random) Play
You can play audio tracks/files in random order.
1. Touch the screen to display control menu, if necessary.
2. Touch [ •••• ] to display the 2nd menu, if necessary.
3. Touch [ ✕ ] on the screen repeatedly to turn random play on or off.

## Select Audio Mode
When you play VCDs, you can select an audio mode (R/L/Stereo).
1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [ •••• ] to display the 2nd menu.
   Touch [ ▶◀ ] repeatedly until the audio mode is selected.

## Select Subtitle Language
For DVD discs that contain two or more subtitle languages.
1. During play, touch the screen to display menu on the screen, if necessary.
2. Touch [ •••• ] to display the 2nd menu.
3. Touch [ 💬 ] repeatedly to select a language.
   The selected language is displayed.

## Change View Angle
Some DVDs contain alternate scenes,such as scenes recorded from different camera angles.
For such DVDs, you can select from the available alternate scenes.
1. During play, touch of the screen to display menu on the screen, if necessary.
2. Press [ Angle ] repeatedly on the remote control.
   The view angle is changed.

## Video Setup

Touch [ ⊞ ] to access video setup mode, touch [ ⊞ ] or [ ⊟ ]
to set the desired effect.
You may set the brightness, contrast, saturation, and hue of the
video output from 1 to 20.

## Playback Information

Touch the screen when playing back DVD and VCD discs and the
playback information will be displayed on the top area of the TFT.

### For DVD

1. Disc type.
2. DVD Title information. "01/08" indicates that this DVD has 8
   titles and the title playing back now is the first title.
3. DVD Chapter information. "005/012" indicates that current title
   has 12 chapters and the chapter playing back now is the fifth
   chapter.

DVD  T:01/08  C:005/012  ❙  ⇄
 ❶      ❷        ❸

### For VCD

1. Disc type.
2. VCD Track information. "01/08" indicates that this VCD has 8
   tracks and the track playing back now is the first title.

VCD  Track:01/08  ❙  ⇄
 ❶      ❷

### Elapsed Time

1. Elapsed time of the current track.
2. Total time of the current track.

00:01:20 ▭▭▭▭▭▭▭▭▭▭▭▭ 00:30:17
        ❶                        ❷

## Direct Track Entry

To select a track directly, touch the [ ▦ ] icon on screen control to
displaythe direct entry menu. Enter the desired track using the on-
screen number pad. Press [ OK ] to the selected track.
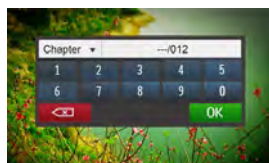
## Rotate Pictures

1. When you view pictures, touch the screen to display menu on
   the screen, if necessary.
2. Touch [ •••• ] to display the 2nd menu.
3. Touch [ ◢◣ ] repeatedly to rotate the picture.

## Zoom

You can zoom in pictures for a close view.
1. When you view pictures, touch the screen to display menu on
   the screen, if necessary.
2. Touch [ •••• ] to display the 2nd menu.
3. Touch [ ⊕ ] repeatedly to zoom in the picture.

You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

## Pair the Bluetooth-enabled Devices

To connect your Bluetooth device to the unit, you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to five devices. You also can search for Bluetooth devices by mobile phone.

1. Turn on the Bluetooth function on the device.
2. Touch  [ 📲 ] to search for Bluetooth device with the unit.
3. Select the Bluetooth device ID "NCE2DBT" in the pairing list.
4. Enter default password "0000".

Tip:
• The operational range between this unit and a Bluetooth device is approximately 5 metres .
• Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
• Compatibility with all Bluetooth device is not guaranteed.
• Any obstacle between this unit and a Bluetooth device can reduce the operational range.
• Keep this unit away from any other electronic device that may cause interference.

## Disconnect Bluetooth Device

To disconnect one device, touch [ 🔴 ] .

**Tip**
• The device will also be disconnected when the device is moved beyond the operational range.
• If you want to reconnect the device to the unit, place it within the operational range.
• If you do not want to reconnect  the device  to the unit automatically, touch[ ⚙ ], then set [ Auto connect ] to [ Off ].
  For details,  see  the "Adjust Bluetooth Settings"  section.
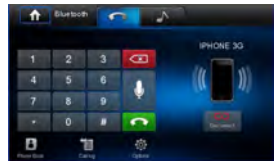
## Make a Call

1. Select Bluetooth function in the home menu.
2. Pair the phone with the unit.
3. Search for phone number from the following list:
   [Phone Book]
   [Call Log]
   [Missed calls]
   [Received calls]
   [Dialed calls]
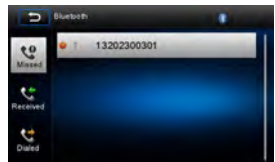
Or touch the number pad directly, then touch [ 📞 ] to dial.

16

## Receive a Call

By default, all incoming calls are received automatically.
1. If there is an incoming call, "Incoming" will appear on the screen .
2. You may touch the screen to select [ Hang up ] or [ Answer ].
   Speak into the Bluetooth microphone.

Tip
• You can select to receive calls manually by setting [Auto answer]
   to [Off] status.

## Adjust Bluetooth Settings

1. In Bluetooth menu, touch [ ⚙ ].
   The option menu is displayed.
2. Touch on the selected option to change the setting.
· [Bluetooth]: To turn on or off "Bluetooth" function.
· [Auto connect]: To turn on or off "Auto connect" function.
· [Auto answer]: To turn on or off "Auto answer" function.
· [Pairing code]: To set pairing code.
· [Phone book sync]:   To synchronize phone book, touch [ OK ] on
                        the sub-menu popped out.
   Phonebook sync may take several minutes to load on initial setup.

**Tip**
• You can also adjust Bluetooth settings in the "Settings" menu.
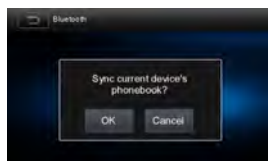
## Music Mode
**A2DP**
A2DP  is short for Advanced  Audio Distribution Profile . The mobile
phones  supporting this function can  transmit stereo  audio, whereas
the ones not supporting this function can transmit mono audio only    .

**AVRCP**
AVRCP  is short for Audio/Video Remote  Control Profile. The mobile
phones  supporting  this function can  control the playback of a
Bluetooth audio player.

To  make  a call in music  playing  mode, press  the number keys  on
the mobile phone and the music player will stop. "Calling" will be
displayed on the TFT and once the call is received the caller audio
will be  transferred  to the unit. When  the call ends,  the screen  will
display the music playing menu.
If there is an incoming phone call, the music  player will stop and the
screen  will display "Incoming". When  the call ends,  the screen  will
display the music playing menu.
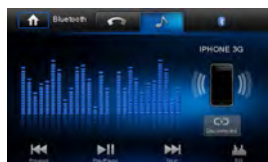
## Display System

1. Touch the upper left corner to display the main menu.
2. Touch [ Settings ].
   The settings menu is displayed.

## Adjust General Settings

1. Touch [ General ], if necessary.
2. Touch to highlight a setting.
3. Touch to display/select an option.
4. Touch blank area of the screen to exit.

| General settings | Options | Description |
|---|---|---|
| Radio region | USA/China/Japan/Europe/Europe (LW)/OIRT | Select one that matches your location. |
| Radio range | Local | Select Local to receive only stations with extremely strong signal. |
| | Distance | |
| Blackout | Off/10s/20s | Set the screensaver |
| Dimmer mode | Night/Dark/Normal/Bright | Adjust the display brightness. |
| Beep | On | Turn on the beep sound. Each time you press a button, the unit beeps. |
| | Off | Turn off the beep sound. |
| Calibration | Start | Calibrate the touch screen. |

## Calibration

When the touch operation is not sensitive or valid, you should calibrate the touch screen using the calibration setting function.
Adjust the response positions of the touch panel as followings:
1. Press the [ Calibration ] option on the setup menu to enter.
2. Touch [ Start ] to enter.
3. Press and hold the center of [ + ] for 2 seconds, the [ + ] will move automatically.
4. Aim at center of [ + ], follow the path as shown in the figure. Once steps 1-5 are complete the system will automatically exit calibrating mode.
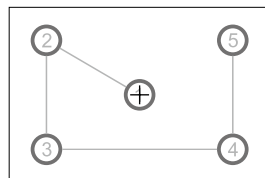


## Adjust Video Settings

1. Touch [Video].
2. Touch an option repeatedly to select.

| Video settings | Options | Description |
|---|---|---|
| Parking | On | Disable video when driving. |
| | Off | Enable video when driving. |

When in Park "On" mode, the screen will display WARNING information if you play the video. The warning screen will prevent the driver from watching videos for safety.

## Adjust sound settings

1. Touch [Sound].
2. Touch an option repeatedly to select:
3. Touch blank area of the screen to exit.

| Sound settings | Options | Description |
|---|---|---|
| Subwoofer | On | Turn on the subwoofer. |
| | Off | Turn off the subwoofer |
| Subwoofer filter | 80Hz | Select subwoofer filter criteria. |
| | 120Hz | |
| | 160Hz | |

## Adjust Time Settings

1. Touch [ Time ].
2. Touch an option repeatedly to select:
3. Touch blank area of the screen to exit.

| Sound settings | Options | Description |
|---|---|---|
| Date | Y/M/D | Touch [ ▲ ] or [ ▼ ] to set year, month and day. |
| Clock | 12Hr/24Hr | Touch [12Hr] or [24Hr] to switch clock mode. |
| Time | H/S/AM/PM | Touch [ ▲ ] or [ ▼ ] to set hour and minute.<br>Touch [ ▲ ] or [ ▼ ] to set AM/PM (only for 12Hr). |

## Adjust Language Settings

1. Touch [Language].
2. Touch an option repeatedly to select.
3. Touch blank area of the screen to exit.

| Language settings | Description |
|---|---|
| OSD | Select on-screen display language. |
| DVD audio | Select DVD audio language. Options available depend on DVD disc. |
| DVD subtitle | Select DVD subtitle language. Options available depend on DVD disc. |
| Disc menu | Select DVD menu language. Options available depend on DVD disc. |

## Adjust Bluetooth Settings

1. Touch [Bluetooth].
2. Touch an option repeatedly to select.
3. Touch blank area of the screen to exit.

| Bluetooth settings | Options | Description |
|---|---|---|
| Bluetooth | On | Turn on the Bluetooth function. |
| | Off | Turn off the Bluetooth function. |
| Auto connect | On | If the pre-paired device is within the effective range, the unit re-connects to pre-paired device automatically. |
| | Off | Need to re-connect manually. |
| Auto answer | On | Answer paired phone call automatically. |
| | Off | Answer phone call manually. |
| Pairing code | | Set the password for pairing the unit with other Bluetooth device. |

## Adjust DVD Rating
1. Touch [DVD rating].
2. Touch an option repeatedly to select.
3. Touch blank area of the screen to exit.

| DVD rating | Options | Description |
|---|---|---|
| Set password | Set password to restrict the play of discs. The default password is 4321. | |
| Rating level | Kid safe | Acceptable for children. |
| | G | Acceptable for general viewers. |
| | PG | Parental guidance suggested. |
| | PG-13 | Unsuitable for children under age 13. |
| | PG-R | Recommend parents to restrict viewing for children under 17. |
| | R | Restricted re-parental guidance is advised for children under the age of 17. |
| | NC-17 | Unsuitable for children under age 17. |
| | Adult | Acceptable for adults only. |
| DRC | On/Off | Dynamic range compression on or off. |
| Load factory | Restore to default settings. | |

## Adjust Volume Settings
You can set different volumes for different modes.
1. Touch [Volume].
   The volume setting sub-menu is displayed.
2. Touch to select a source.
3. Touch [ ▲ ] or [ ▼ ] to assign value: 0 to 12.
   When switching to the source, the volume increases automatically.
4. Touch blank area to close the sub-menu and touch top left of the screen to exit setting menu.

## Other Modes

### Listen to Other Devices
You can connect an external audio/video device to the unit.
1. Connect the external device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV-IN 1] front input or [AV-IN 2] rear input to access external device.

### Reset
When the unit hangs up, you can reset it.
Press RESET hole with a ball-point pen or similar tool.

**Tip**
When the unit has been reset, all the settings will return to default settings.

Reset
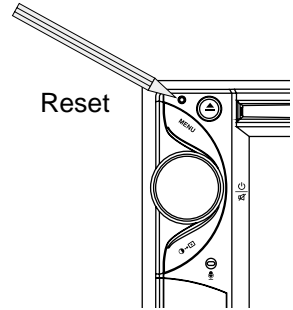
### Replace a Fuse
If there is no power, the fuse may be damaged and need to be replaced.
1. Remove the unit from the dashboard.
2. Check all electrical connections.
3. Buy a fuse that matches the amperage of the damaged fuse.
4. Replace the fuse while the unit is powered off.

### Steering Wheel Control Programming
1. Touch the upper left corner to display home menu.
2. Touch [ SWC ], the SWC menu will display.
3. Adjust each key with an individual function.
4. Touch [ Pair ] to program.
5. Press each individual steering wheel control button for each corresponding function.
6. Once the final steering wheel control button is programmed, the functions are saved and the programming will end.
7. Touch [ Reset ] to reset the programming.

# Specifications

**General**

  Reference Supply Voltage................................................................... 12V(DC)
  Operating Voltage Range......................................................10.5 - 15.8V(DC)
  Max Operating Current.................................................................................15A
  Grounding System................................................... Car Battery Negative Pole
  Dimensions(WXHXD) ............................................................ 178X101X181mm
  Weight(main unit) ................................................................................... 2.4kg

**FM**

  Signal Noise Ratio............................................................................... ≥55dB
  Residual Noise Sensitivity (S/N=30dB) ............................................. 18dBμV
  Frequency Response (±3dB) ..................................................20Hz~12.5KHz
  Station Seeking Level................................................................. 20~28dBμV
  Distortion .......................................................................................... ≤1.0%
  Stereo Separation (1KHz) .................................................................. ≥25dB
  Antenna Impedance ...............................................................................75Ω

**AM**

  Residual Noise Sensitivity (S/N=20dB) ............................................. 30dBμV
  Selectivity (±9KHz) ............................................................................ ≥50dB

**LCD**

  Screen size.......................................................................... 6.2 inches(16:9)
  Display resolution ......................................................................800X480dots
  Contrast radio ....................................................................................... 400
  Brightness....................................................................................... 280cd/m$^2$

**DVD Player**

  Signal / Noise Ratio..............................................................................80dB
  Dynamic Range.....................................................................................80dB
  Distortion (line out) ............................................................................ ≤0.1%
  Frequency Response (±3dB) ......................................................20Hz~20KHz
  Maximum Output Power.....................................................................4×60W
  Load Impedance......................................................................................4Ω

**AUX IN**

  Distortion .......................................................................................... ≤0.5%
  Frequency Response (±3dB) ......................................................20Hz~20KHz
  Audio Input Level............................................................................0.5Vrms

**Audio**

  Audio Output Impedance.......................................................................100Ω
  Audio Output Level.................................................................... 2Vrms(Max)

**Video**

  Normal Video Input Level (CVBS)....................................................1.0±0.2V
  Video Input Impedance............................................................................75Ω
  Video Output Impedance.........................................................................75Ω
  Video Output Level.........................................................................1.0±0.2V

**Environment**

  Operating Temperature ...........................................................-10°C ~ +60°C
  Storing Temperature...............................................................-20°C ~ +70°C
  Operating Humidity.......................................................... 45%~80%RH
  Storing Humidity ....................................................................... 30%~90%RH

**USB / SD Device**

  Reading Capacity .................................................................................. 32G

**Notice:**
When the unit is operated to extremes, such as with maximum power output for a long time, or the temperature is over 70°C, it will enter heat protection mode, the volume will be reduced automatically. This is normal.

# Specifications

**Supported Formats:**
·USB or memory file format: FAT16,FAT32
·Mp3 bit rate(date rate): 32-320 Kbps and variable bit rate
·Directory nesting up to a maximum of 8 levels
·Number of albums/folders: maximum 99
·Number of tracks/titles: maximum 999
·ID3 tag v2.0 or later
·File name in Unicode UTF8(maximum length:128 bytes)

**Unsupported Formats:**
· Empty albums: an empty album is an album that does not contain MP3 files and is not shown in the display.
· Unsupported file formats are skipped. For example, Word documents(.doc) or Mp3 files with extension.dlf are ignored and not played.

**Supported MP3 Disc Format:**
·ISO9660, Joliet
·Maximum title number: 512(depending on file name length)
·Maximum album number: 255
·Supported sampling frequencies: 32kHz,44.1kHz,48kHz
·Supported bit-rates: 32-320Kbps and variable bit rates

**Supported Video Formats:**
·DVD
·MP4
·DivX

## Region Code
According to DVD sales regions, the whole world is divided into six regions. A DVD disc can be played back only when its region code is compatible with that of the player in use.
Region 1: USA, Canada, East Pacific Ocean Islands;
Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
Region 3: Taiwan of China, Hong Kong of China, South Korea, Thailand, Indonesia, South East Asia;
Region 4: Australia, New Zealand, Mid & south America, South Pacific Ocean Islands/Oceania;
Region 5: Russia, Mongolia, India, Middle Asia, East Europe, North Korea, North Africa, North West Asia;
Region 6: China, Mainland.

## Precautions when using Discs
1) DO NOT use irregular shaped discs.
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 discs 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.

## Bluetooth
Operating range:  Up to 9 metres (No Obstructions).
Bluetooth specification:  V2.1 + EDR/V3.0 compliant.
A2DP specification:  A2DP1.2 & AVRCP1.3 compliant.

# Troubleshooting

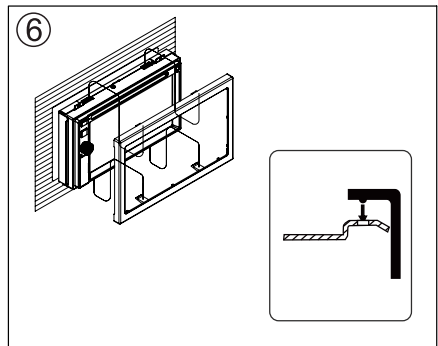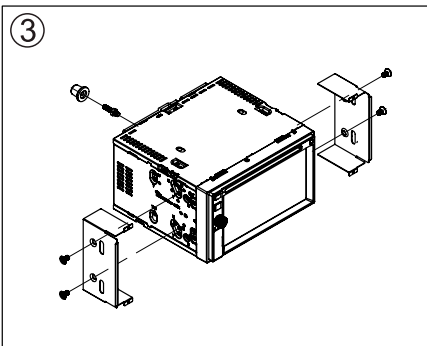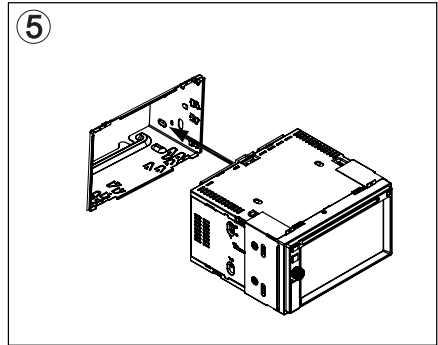What appears to be trouble is not always serious. Please check the following points before calling a service center.
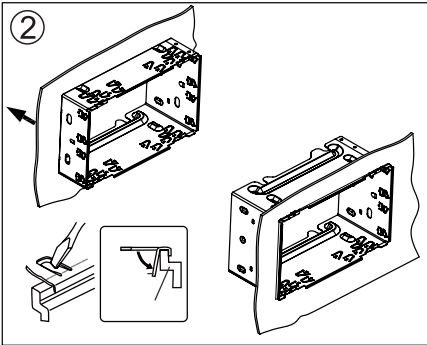
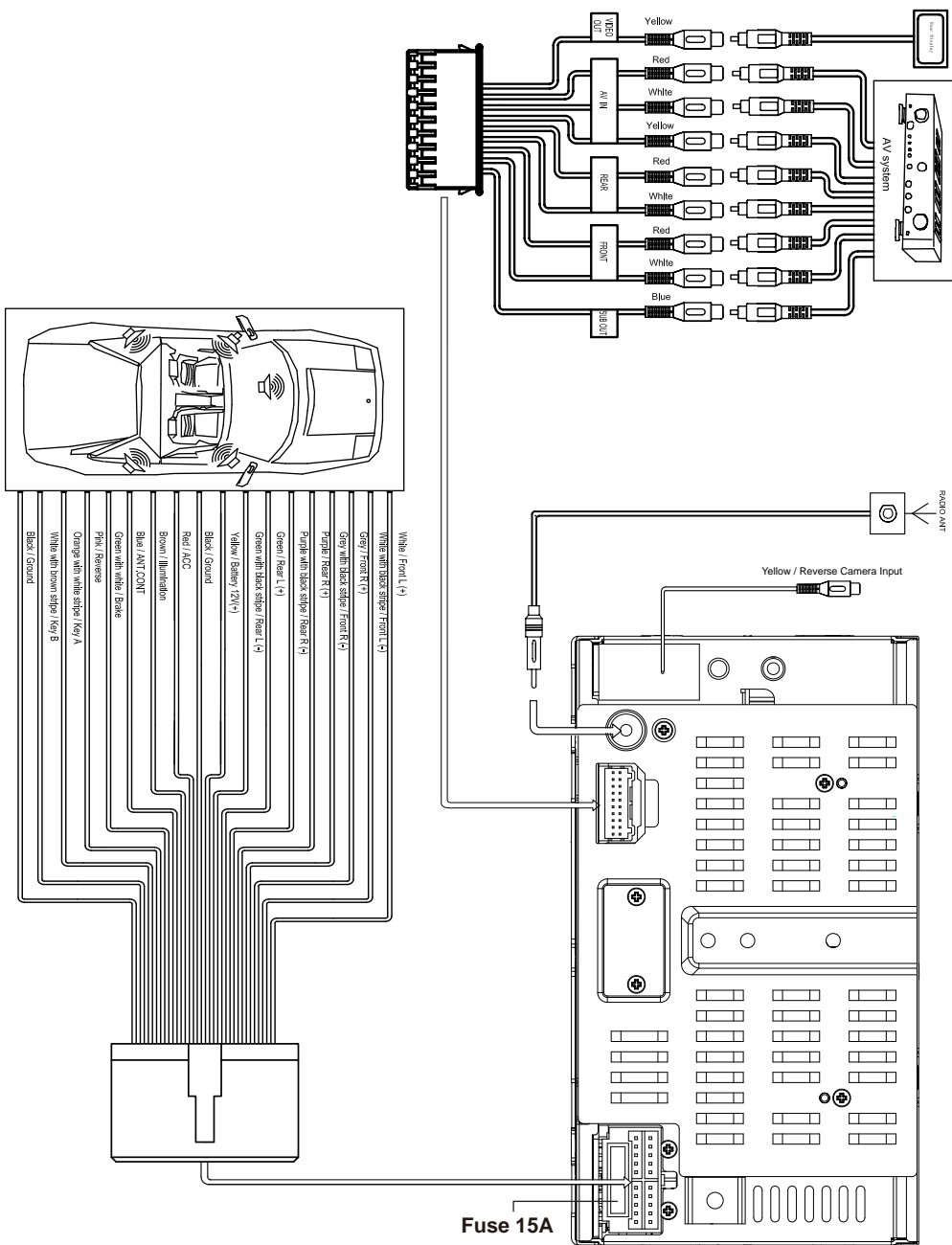| Problem | Cause | Corrective action |
|---|---|---|
| **General** | | |
| Unit can not power on | Unit fuse blown. | Install new fuse with correct rating. |
| | Car battery fuse blown. | Install new fuse with correct rating. |
| | Illegal operation | Reset the unit. |
| No/low audio output | Improper audio output connection. | Check wiring and correct. |
| | Volume set too low. | Increase volume level. |
| | Speakers damaged. | Replace speakers. |
| | Heavily biased volume balance. | Adjust the channel balance to center position. |
| | Speaker wiring is in contact with metal part of car. | Insulate all speaker wiring connections. |
| Poor sound quality or distortion | Pirated disc is in use. | Use original disc. |
| | Speaker power rating does not match unit. | Replace speakers. |
| | Wrong connections. | Check wiring and correct. |
| | Speaker is shorted. | Check wiring and correct. |
| Unit resets itself when engine is off | Incorrect connection between ACC and BATT. | Check wiring and correct. |
| **TFT monitor** | | |
| Warning information is shown at all times | Parking break wiring is not correct. | Check wiring and correct. |
| Flashing image or interference appears on screen | The color system of DVD disc does not match the monitor. | Adjust the color system of the DVD disc playing back or the monitor in use. |
| | Pirated disc is in use. | Use original disc. |
| | Video cable damaged. | Replace cables. |
| | Improper video signal connections. | Check wiring and correct. |
| **Disc playback** | | |
| Cannot insert disc | A disc is already inside the unit. | Eject current disc and insert new one. |
| Disc does not play back | Disc is warped or scratched. | Use disc in good condition. |
| | Disc is dirty or wet. | Clean disc with soft cloth. |
| | Incompatible disc is used. | Use compatible disc. |
| | Disc is inserted upside down. | Insert disc with label side up. |
| | Disc region code is not compatible with unit. | Use disc with proper region code. |
| PBC cannot be used during VCD playback | PBC is not available on the disc. | Use disc with PBC available. |
| Repeat or search function is invalid during VCD playback | PBC is on. | Turn PBC off. |
| **Error messages** | | |
| No disc | Disc is dirty. | Clean disc with soft cloth. |
| | Disc is upside down. | Insert disc with label side up. |
| | No disc inside. | Insert disc. |
| Bad disc | Disc is dirty. | Clean disc with soft cloth. |
| | Disc is upside down. | Insert disc with label side up. |
| Unknown disc | Disc format is not compatible with this unit. | Use disc with compatible format. |
| Region Error | DVD region code is not compatible with this unit. | Use disc with compatible region code. |

## Using the Cosmetic Trim Ring

One cosmetic trim ring is packaged with the head unit for installation flexibility. This unit will fit into most import dashes with little or no modification to the dash board/cavity. Some domestic vehicle dashes will accept a Double-DIN chassis, but there is usually a small gap between the radio and dash piece after installation is complete. In this case, use the appropriate trim ring to conceal any gaps that may be present.
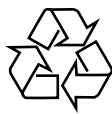
**Note:**

For proper operation of the CD/DVD player, the chassis must be mounted within 30° of horizontal. Make sure the unit is mounted within this limitation.



25

VIDEO OUT — Yellow

AV IN — Red, White, Yellow

REAR — Red, White

FRONT — Red, White

SUB OUT — Blue

AV system

RADIO ANT

Yellow / Reverse Camera Input

Black / Ground
White with brown stripe / Key B
Orange with white stripe / Key A
Pink / Reverse
Green with white / Brake
Blue / ANT.CONT
Brown / Illumination
Red / ACC
Black / Ground
Yellow / Battery 12V(+)
Green with black stripe / Rear L (-)
Green / Rear L (+)
Purple with black stripe / Rear R (-)
Grey with black stripe / Rear R (+)
Grey / Rear R (+)
Grey / Front R (-)
White with black stripe / Front L (-)
White / Front L (+)

**Fuse 15A**

CLASS 1
LASER PRODUCT

Made In PRC