KENWOOD

DDX6015BT DDX315
DDX4015BT DDX315M
DDX415BT DDX615WBT
DDX415BTM DDX615WBTM

MONITOR WITH DVD RECEIVER
INSTRUCTION MANUAL

JVCKENWOOD Corporation

This instruction manual is used to describe models listed below. Model availability and features (functions) may differ depending on the country and sales area.

• Region 2 (DVD Region Code 2 area)
• Region 3 (DVD Region Code 3 area)
• Region 4 (DVD Region Code 4 area)

CONTENTS

How to read this manual:
- Illustrations of DDX6015BT are mainly used for explanation. The displays and panels shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual displays or panels.
- This manual mainly explains operations using the buttons on the monitor panel and touch panel. For operations using the remote controller (RC-DV340: supplied only for DDX6015BT/DDX415BT/ DDX415BTM/DDX315/DDX315M/DDX615WBT/DDX615WBTM), see page 47.
- **< >** indicates the various screens/menus/operations/settings that appear on the touch panel.
- **[ ]** indicates the buttons on the touch panel.
- **Indication language:** English indications are used for the purpose of explanation. You can select the indication language from the **<Setup>** menu. (Page 46)
- Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from <http://www.kenwood.com/cs/ce/>.

BEFORE USE

IMPORTANT

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe WARNINGS and CAUTIONS in this manual. Please keep the manual in a safe and accessible place for future reference.

⚠ **WARNINGS: (To prevent accidents and damage)**
- DO NOT install any unit or wire any cable in a location where;
  - it may obstruct the steering wheel and gearshift lever operations.
  - it may obstruct the operation of safety devices such as air bags.
  - it may obstruct visibility.
- DO NOT operate the unit while driving. If you need to operate the unit while driving, be sure to look around carefully.
- The driver must not watch the monitor while driving.

The marking of products using lasers

CLASS 1
LASER PRODUCT

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

For Kazakhstan (DDX415BTM/DDX315M/ DDX615WBTM)

EAC   **Дата изготовления (месяц/год) находится на этикетке устройства.**

BEFORE USE

For DDX415BTM/DDX615WBTM

$C \epsilon$

Declaration of Conformity with regard to the EMC Directive 2004/108/EC
Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC
Declaration of Conformity with regard to the RoHS Directive 2011/65/EU
Manufacturer:
JVC KENWOOD Corporation
3-12 Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan
EU Representative:
JVCKENWOOD NEDERLAND B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

English
Hereby, JVC KENWOOD declares that this unit "DDX415BTM/DDX615WBTM" is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Türkçe
Bu vesileyle JVC KENWOOD, "DDX415BTM/ DDX615WBTM" ünitesinin,1999/5/EC Direktifinin başlıca gereksinimleri ve diğer ilgili hükümleri ile uyumlu olduğunu beyan eder.

For DDX315M

$C \epsilon$

Declaration of Conformity with regard to the EMC Directive 2004/108/EC
Declaration of Conformity with regard to the RoHS Directive 2011/65/EU

Manufacturer:
JVC KENWOOD Corporation
3-12 Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan
EU Representative:
JVCKENWOOD NEDERLAND B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

For Turkey
Bu ürün 28300 sayılı Resmi Gazete'de yayımlanan Atik Elektrikli ve Elektronik Eşyalarin Kontrolü Yönetmeliğe uygun olarak üretilmiştir.

Eski Elektrik ve Elektronik Ekipmanların İmha Edilmesi Hakkında Bilgi (ayrı atık toplama sistemlerini kullanan ülkeleri için uygulanabilir)

Sembollü (üzerinde çarpı işareti olan çöp kutusu) ürünler ev atıkları olarak atılamaz. Eski elektrik ve elektronik ekipmanlar, bu ürünleri ve ürün atıklarını geri dönüştürebilecek bir tesiste değerlendirilmelidir. Yaşadığınız bölgeye en yakın geri dönüşüm tesisinin yerini öğrenmek için yerel makamlara müracaat edin. Uygun geri dönüşüm ve atık imha yöntemi sağlığımız ve çevremiz üzerindeki zararlı etkileri önlerken kaynakların korunmasına da yardımcı olacaktır.

⚠ **Cautions on the monitor:**
- The monitor built into this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not considered defective.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with a sharp tip. Touch the buttons on the touch panel with your finger directly (if you are wearing a glove, take it off).

- When the temperature is very cold or very hot...
  – Chemical changes occur inside, causing malfunction.
  – Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

For safety...
- Do not raise the volume level too much, as this will make driving dangerous by blocking outside sounds, and may cause hearing loss.
- Stop the car before performing any complicated operations.

Temperature inside the car...
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

❏ **How to reset your unit**
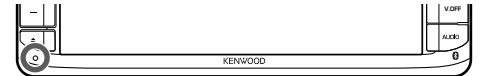If the unit fails to operate properly, press the reset button.
DDX6015BT

DDX4015BT/DDX415BT/DDX415BTM/DDX315/ DDX315M

DDX615WBT/DDX615WBTM
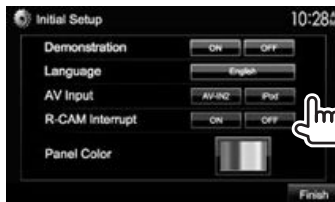
INITIAL SETTINGS

Initial setup

When you power on the unit for the first time or reset the unit, the initial setting screen appears.

- You can also change the settings on the **<Setup>** screen. (Page 44)

1 DDX6015BT/DDX615WBT/DDX615WBTM

DDX4015BT/DDX415BT/DDX415BTM/
DDX315/DDX315M

<Demonstration> (Page 45)	Activate or deactivate the display demonstration.
<Language> (Page 46)	Select the text language used for on-screen information.
	• Set **<GUI Language>** to display the operation buttons and menu items in the selected language (**[Local]**: initially selected) or English (**[English]**).
<Angle>* (Page 9)	Adjust the panel angle.
<AV Input> (Page 45)	Select an external component connected to the iPod/Audio Video input terminal to play.
<R-CAM Interrupt> (Page 28)	Select **[ON]** when connecting the rear view camera.
<Panel Color> (Page 41)	Select the color of the buttons on the monitor panel.

2 Finish the procedure.

The **<TOP MENU>** screen is displayed.

* Only for DDX6015BT/DDX615WBT/DDX615WBTM.

Setting the security function

❏ Registering the security code

You can set a security code to protect your receiver system against theft.

1 Display the **<TOP MENU>** screen.
On the source control screen:

2 Display the **<System>** setting screen.

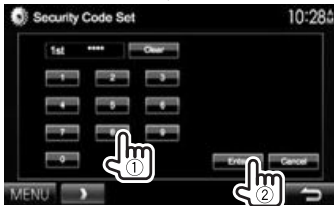- Press [∨] repeatedly to change the page on the **<System>** menu screen.

3 Display the **<Security Code Set>** screen.

- To clear the registered security code, perform steps **1** and **2**, then press **[CLR]** in **<Security Code>**.

4 Enter a four-digit number (①), then confirm the entry (②).

- Press **[Clear]** to delete the last entry.
- Press **[Cancel]** to cancel the setting.

5 Repeat step **4** to confirm your security code.

- When the unit is being reset or disconnected from the battery, you are required to enter the security code. Enter the correct security code, then press **[Enter]**.

❏ Activating the security function

You can activate the security function to protect your receiver system against theft.

1 Display the **<System>** setting screen.
On the **<TOP MENU>** screen:

- Press **[∨]** repeatedly to change the page on the **<System>** menu screen.

2

The security indicator on the monitor panel flashes when the vehicle ignition is off.

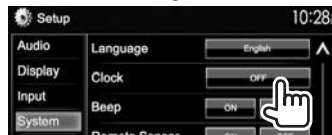**To deactivate the security function:** Select **[OFF]** for **<SI>**.

Clock settings

1 Display the **<TOP MENU>** screen.
On the source control screen:

2 Display the **<Setup>** screen.

3 Display the **<Clock>** screen.

4 Set the clock time.

<NAV>*	Synchronizes the clock time with the connected navigation unit.
<Radio Data System>	Synchronizes the clock time with FM Radio Data System.
<OFF>	Sets the clock manually. (See below.)

When selecting **<OFF>**:
Adjust the hour (①), then adjust the minute (②).
- Press **[Reset]** to set the minute to "00".

5 Finish the procedure.

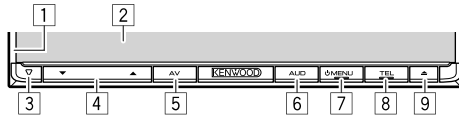* Appears only when the navigation unit is connected.

BASICS

Component names and functions

⚠ **Caution on the volume setting:**
Digital devices produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.
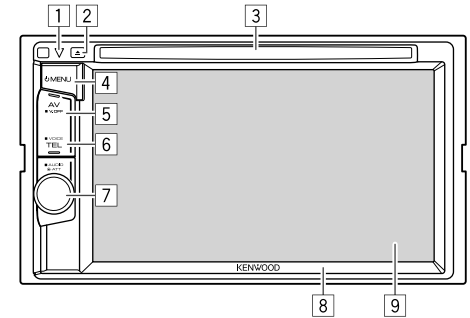
DDX6015BT

1 Monitor panel*
2 Screen (touch panel)
3 Reset button/Power indicator/Security indicator
   • Resets the unit. (Page 3)
   • Lights up while the unit is turned on.
   • Flashes when the security function is activated. (Page 5)
4 Volume ▽/△ button
   Adjusts the audio volume. (Page 8)
5 AV/V.OFF button
   • Displays the current source screen. (Press)
   • The function of the button when held varies depending on the **<AV Key Long Press>** setting. (Page 46)

6 AUD button
   Displays the **<Equalizer>** screen. (Press) (Page 38)
7 ⏻ MENU button
   • Displays the **<TOP MENU>** screen. (Press) (Page 10)
   • Turns on the power. (Press) (Page 8)
   • Turns off the power. (Hold) (Page 8)
8 TEL/VOICE button
   • Displays the **<Hands Free>** screen. (Press) (Page 33)
   • Activates voice dialing. (Hold) (Page 35)
9 ⏏ (Eject) button
   • Ejects the disc (Tilts the monitor panel fully). (Page 12)
   • Opens/closes the monitor panel.

* You can change the color of the buttons on the monitor panel. (Page 41)

DDX4015BT

DDX415BT/DDX415BTM/DDX315/DDX315M

1 Reset button/Power indicator/Security indicator
   • Resets the unit. (Page 3)
   • Lights up while the unit is turned on.
   • Flashes when the security function is activated. (Page 5)
2 ⏏ (Eject) button
   Ejects the disc. (Page 12)

6

BASICS

3 Loading slot
4 ⏻ MENU button
- Displays the **<TOP MENU>** screen. (Press) (Page 10)
- Turns on the power. (Press) (Page 8)
- Turns off the power. (Hold) (Page 8)

5 AV/V.OFF button
- Displays the current source screen. (Press)
- The function of the button when held varies depending on the **<AV Key Long Press>** setting. (Page 46)
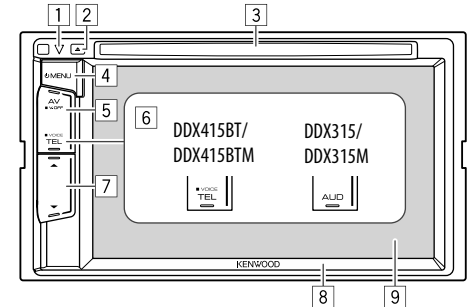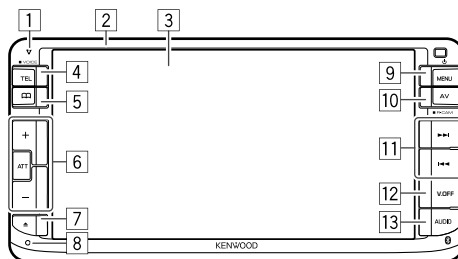
6 **For DDX4015BT/DDX415BT/DDX415BTM:** TEL/VOICE button
- Displays the **<Hands Free>** screen. (Press) (Page 33)
- Activates voice dialing. (Hold) (Page 35)

For DDX315/DDX315M: AUD button
Displays the **<Equalizer>** screen. (Press) (Page 38)

7 **For DDX4015BT:** Volume/ATT/AUDIO knob
- Attenuates the sound. (Press) (Page 8)
- Adjusts the audio volume. (Turn) (Page 8)
- Displays the **<Equalizer>** screen. (Hold) (Page 38)

For DDX415BT/DDX415BTM/DDX315/DDX315M: Volume ▲/▼ buttons
Adjusts the audio volume. (Press) (Page 8)

8 Monitor panel*
9 Screen (touch panel)

* You can change the color of the buttons on the monitor panel. (Page 41)

DDX615WBT/DDX615WBTM

1 Power indicator/Security indicator
- Lights up while the unit is turned on.
- Flashes when the security function is activated. (Page 5)

2 Monitor panel*
3 Screen (touch panel)
4 TEL/VOICE button
- Displays the **<Hands Free>** screen. (Press) (Page 33)
- Activates voice dialing. (Hold) (Page 35)

5 📖 button
- Displays the phone book. (Press) (Page 34)

6 Volume +/− button
Adjusts the audio volume. (Page 8)
ATT button
Attenuates the sound. (Page 8)

7 ⏏ (Eject) button
- Ejects the disc. (Tilts the monitor panel fully.)
- Opens/closes the monitor panel.

8 Reset button
Resets the unit. (Page 3)

9 MENU/⏻ button
- Displays the **<TOP MENU>** screen. (Press) (Page 10)
- Turns on the power. (Press) (Page 8)
- Turns off the power. (Hold) (Page 8)

10 AV/R-CAM button
- Displays the current source screen. (Press)
- The function of the button when held varies depending on the **<AV Key Long Press>** setting. (Page 46)

11 I◄◄/►►I button
Functions same as [I◄◄]/[►►I] on the touch panel during playing a source.

12 V.OFF button
Turns off/on the screen. (Page 9)

13 AUDIO button
Displays the **<Equalizer>** screen. (Press) (Page 38)

* You can change the color of the buttons on the monitor panel. (Page 41)

Common operations

❏ Turning on the power

DDX6015BT

DDX4015BT/DDX415BT/ DDX415BTM/DDX315/ DDX315M
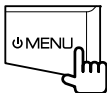
DDX615WBT/ DDX615WBTM
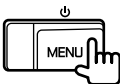
❏ Turning off the power

DDX6015BT
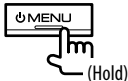
DDX4015BT/DDX415BT/ DDX415BTM/DDX315/ DDX315M
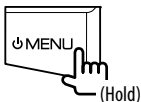
(Hold)

(Hold)

DDX615WBT/ DDX615WBTM
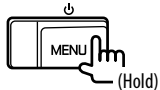
(Hold)

❏ Adjusting the volume

To adjust the volume (00 to 35)

DDX6015BT
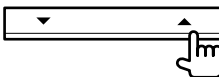
DDX415BT/ DDX415BTM/ DDX315/ DDX315M

Press ▲ to increase, and press ▼ to decrease.
• Holding the button increases/decreases the volume continuously.

DDX4015BT
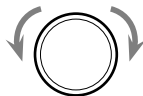
Turn to the right to increase, and turn to the left to decrease.

DDX615WBT/ DDX615WBTM

Press + to increase, and press – to decrease.
• Holding the button increases/decreases the volume continuously.

To attenuate the sound (only for DDX4015BT/ DDX615WBTM)

DDX4015BT

DDX615WBT/DDX615WBTM
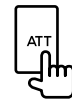
The ATT indicator lights up.

To cancel the attenuation: Press the same button again.

❏ **Adjusting the panel angle (only for DDX6015BT/DDX615WBT/ DDX615WBTM)**

1   Display the **<Angle Adjust>** screen.
On the **<TOP MENU>** screen:
  • Press [**∨**] repeatedly to change the page on the **<Display>** menu screen.
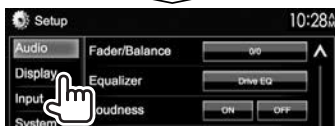
2   Select an angle (0 – 6).

  • To set the current position as the power off position, select **[Memory]** for **<Off Position>**.

❏ **Putting the unit in standby**

1   Display all the **<TOP MENU>** items.
On the **<TOP MENU>** screen:

2
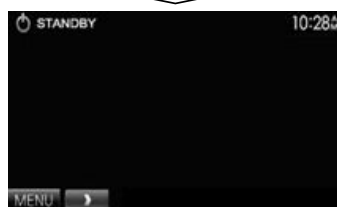
❏ **Turning off the screen**

  • For DDX6015BT/DDX4015BT/DDX415BT/ DDX415BTM/DDX315/DDX315M: This operation works only when **<AV Key Long Press>** is set to **[V-OFF]**. (Page 46)

DDX6015BT

(Hold)

DDX4015BT/DDX415BT/ DDX415BTM/DDX315/ DDX315M

(Hold)
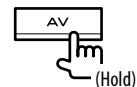
DDX615WBT/ DDX615WBTM
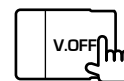
To turn on the screen: Press ⏻ MENU on the monitor panel, or touch the display.

ENGLISH | 9

Common screen operations

❏ Common screen descriptions

You can display other screens any time to change the source, show the information, or change the settings, etc.

Source control screen

Performs source playback operations.
• The operation buttons vary depending on the selected source.
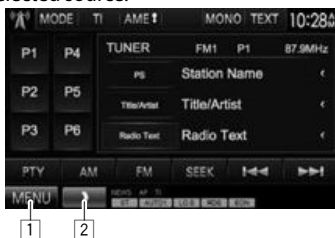
Common operation buttons:
1 Displays the **<TOP MENU>** screen. (See the right column.)
   • Pressing ⏻ MENU on the monitor panel also displays the **<TOP MENU>** screen.
2 Displays/hides short-cut buttons. (Page 11)

<TOP MENU> screen
Displays the source control screen and settings screen.
• You can arrange the items to display on the **<TOP MENU>** screen (Page 42)

Common operating buttons:
1 Changes the playback source. (Page 11)
2 Displays all playback sources and items. (Page 11)
3 Displays the **<Setup>** screen. (See below.)

<Setup> screen
Changes the detailed settings. (Page 44)

Common operating buttons:
1 Selects the menu category.
2 Displays the **<TOP MENU>** screen.
3 Changes the page.
4 Returns to the previous screen.

❏ Touch screen operations
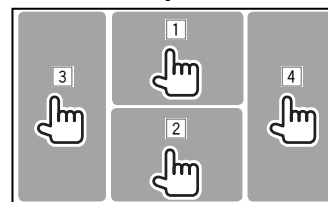
1 Displays the video control menu while playing a video.

2 Displays the source control screen while playing a video.
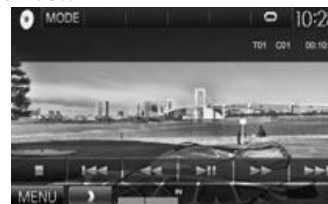
• The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.
3 Goes to the previous chapter/track.*
4 Goes to the next chapter/track.*

* Not available for video from an external component.

Selecting the playback source

On the **<TOP MENU>** screen:
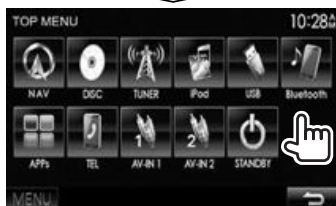
[NAV]*1	Displays the navigation screen when a navigation unit is connected. (Page 29)
[DISC]	Plays a disc. (Page 12)
[TUNER]	Switches to the conventional radio broadcast. (Page 23)
[iPod]	Plays an iPod/iPhone. (Page 17)
[USB]	Plays files on a USB device. (Page 16)
[PANDORA]*2	Switches to the Pandora broadcast. (Page 21)
[Bluetooth]*3	Plays a Bluetooth audio player. (Page 37)
[APPs]*4	Switches to the App screen from the connected iPod touch/iPhone. (Page 20)
[TEL]*3	Displays the **<Hands Free>** screen. (Page 33)
[AV-IN1]	Switches to an external component connected to the Audio Video input terminal. (Page 27)
[AV-IN2]*4	Switches to an external component connected to the iPod/Audio Video input terminal. (Page 27)

*1 When no navigation unit is connected, "No Navigation" appears.
*2 Only for 4015BT.
*3 Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX615WBT/DDX615WBTM.
*4 Select an appropriate input setting in **<AV Input>**. (Page 45)

❏ Selecting the playback source on the <TOP MENU> screen

- You can change the items (other than **[SETUP]**) to display on the **<TOP MENU>** screen. (Page 42)

❏ Using short-cut buttons

While displaying the source control screen or the **<Setup>** screen, you can use the short-cut buttons to go to the items on the **<TOP MENU>** screen indicated below.
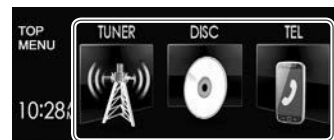
To display the short-cut buttons

On the source control screen:

On the **<Setup>** screen:

- When the navigation screen is displayed, pressing [ ] displays the source control screen.

To hide the short-cut buttons: Press [ ].

DISCS

Playing a disc

- If a disc does not have a disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.
- For playable disc types/file types, see page 56.

❏ Inserting a disc

Insert a disc with the label side facing up.

DDX6015BT
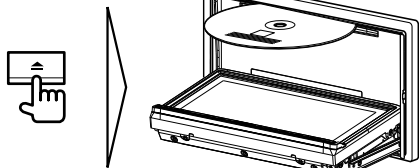
DDX4015BT
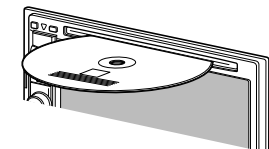
**DDX415BT/
DDX415BTM/
DDX315/DDX315M**
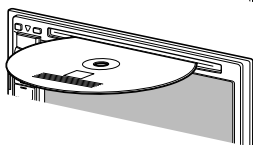
**DDX615WBT/
DDX615WBTM**
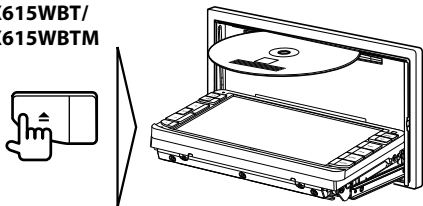
The source changes to **"DISC"** and playback starts.
- The IN indicator lights up while a disc is inserted.

- If "⊘" appears on the screen, the unit cannot accept the operation you have tried to do.
  – In some cases, without showing "⊘," operations will not be accepted.
- When playing back a multi-channel encoded disc, the multi-channel signals are downmixed to stereo.

❏ Ejecting a disc

DDX6015BT

**DDX4015BT/DDX415BT/
DDX415BTM/DDX315/DDX315M**

DDX615WBT/DDX615WBTM

- When removing a disc, pull it horizontally.
- You can eject a disc when playing another AV source.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.

Closing the monitor panel (only for DDX6015BT/ DDX615WBT/DDX615WBTM)
After removing the disc, press ⏏ on the monitor panel. The monitor panel closes.

Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.
- To change settings for video playback, see page 39.
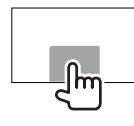
❏ Indications and buttons on the source control screen

For video playback

Playback information
- The information displayed on the screen differs depending on the type of disc/file being played back.

1 Media type
2 Current playback item information (title no./ chapter no./folder no./file no./track no.)
3 Playing time
4 Playback mode (Page 15)
5 File type
6 IN indicator

DISCS

Operation buttons

- Available buttons on the screen and operations differ depending on the type of disc/file being played back.
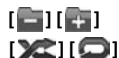
[MODE]	Changes the settings for disc playback on the **<DISC Mode>** screen. (Page 15)
[ ] [ ]	Selects a folder.
[ ] [ ]	Selects playback mode. (Page 15)
[ ]	Displays the folder/track list. (See the far right column.)
[■]	Stops playback.
[►❚❚]	Starts/pauses playback.
[|◄◄] [►►|]	• Selects a chapter/track. (Press) • Reverse/forward search. (Hold)
[◄◄] [►►]	• Reverse/forward search during playback. • Plays back in slow-motion during pause.
[MENU]	Displays the **<TOP MENU>** screen.

For audio playback

Playback information

- The information displayed on the screen differs depending on the type of disc/file being played back.

1. Media type
2. Track/file information
   - Pressing **[<]** scrolls the text if not all of the text is shown.
3. Current playback item information (folder no./file no./track no.)
4. Playback status
5. Playing time
6. Jacket picture (Shown while playing if the file has tag data that includes the jacket picture)
7. Playback mode (Page 15)
8. File type
9. IN indicator

Operation buttons

- Available buttons on the screen and operations differ depending on the type of disc/file being played back.

[MODE]	Changes the settings for disc playback on the **<DISC Mode>** screen. (Page 15)
[ ] [ ]	Selects a folder.
[ ] [ ]	Selects playback mode. (Page 15)
[ ]	Displays the folder/track list. (See the right column.)
[►❚❚]	Starts/pauses playback.
[|◄◄] [►►|]	Selects a track.
[◄◄] [►►]	Reverse/forward search.
[MENU]	Displays the **<TOP MENU>** screen.

❏ Selecting a folder/track on the list

1

2 Select the folder (①), then the item in the selected folder (②).
- Repeat the procedure until you select the desired track.
- If you want to play all tracks in the folder, press [►] on the right of the desired folder.

- You can change the page to display more items by pressing [∧]/[∨].
- Press [ ] to return to the root folder.
- Press [ ] to return to the upper layer.

## ❏ Video menu operations

You can display the video menu screen during video playback.

- The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.
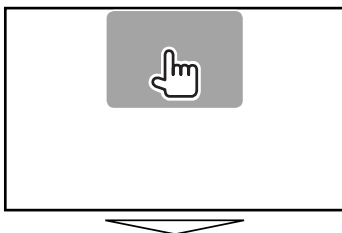
For video playback except VCD

- Available buttons on the screen and operations differ depending on the type of disc/file being played back.

[ZOOM]	Displays the picture size selecting screen. (Page 40)
[Aspect]	Selects the aspect ratio. (Page 40)
[Picture Adjust]	Displays the picture adjustment screen. (Page 39)
[Audio]	Selects the audio type.
[Subtitle]	Selects the subtitle type.
[Angle]	Selects the view angle.
[MENU]	Displays the disc menu (DVD).
[T MENU]	Displays the disc menu (DVD).
[Highlight]	Switches to the direct disc menu mode. Touch the target item to select. • To restore the screen, press AV on the monitor panel.
[CUR]	Displays the menu/scene selecting screen. • [▲] [▼] [◀] [▶]: Selects an item. – For DivX®: [◀] [▶] skips back or forward by about 5 minutes. • **[Enter]**: Confirms the selection. • **[Return]**: Returns to the previous screen.

For VCD

[MENU]	Displays the disc menu.
[Direct]	Displays/hides the direct selecting buttons. (See below.)
[Audio]	Selects the audio channel (ST: stereo, L: left, R: right).
[Return]	Displays the previous screen or menu.
[ZOOM]	Displays the picture size selecting screen. (Page 40)
[Aspect]	Selects the aspect ratio. (Page 40)
[Picture Adjust]	Displays the picture adjustment screen. (Page 39)

- To deactivate the PBC function, stop playback, then use the direct selecting buttons to select a track number.

To select a track directly on a VCD

- When you enter a wrong number, press **[Direct/CLR]** to delete the last entry.

❏ Selecting playback mode

[✕]   Selects Random playback mode.

[⟳]   Selects Repeat playback mode.

- Available playback modes differ depending on the type of disc/file being played back.
- You cannot activate the repeat mode and the random mode at the same time.
- Each time you press the button, the playback mode changes. (The corresponding indicator lights up.)
  – Available items differ depending on the type of disc/file being played back.

C-REP	Repeats current chapter.
T-REP	Repeats current title.
REP	Repeats current track.
FO-REP	Repeats all tracks of the current folder.
FO-RDM	Randomly plays all tracks of the current folder, then tracks of the next folder.
RDM	Randomly plays all tracks.

To cancel Repeat/Random playback: Press the button repeatedly until the indicator disappears.

Settings for disc playback

❏ Setting items

- Available items shown on the **<DISC Mode>** screen differ depending on the type of disc/file being played back.

<Menu Language>	Select the initial disc menu language. (Initial: **English**) (Page 58)
<Audio Language>	Select the initial audio language. (Initial: **English**) (Page 58)
<Subtitle Language>	Select the initial subtitle language or turn subtitles off (**Off**). (Initial: **English**) (Page 58)
<Down Mix>	When playing back a multi-channel disc, this setting affects the signals reproduced through the front and/or rear speakers. • **Dolby Surround**: Select this to enjoy multi-channel surround sound by connecting an amplifier compatible with Dolby Surround. • **Stereo** (initial): Normally select this.
<Dynamic Range Control>	You can change the dynamic range while playing Dolby Digital software. • **Wide**: Select this to enjoy a powerful sound at a low volume level with its full dynamic range. • **Normal**: Select this to reduce the dynamic range a little. • **Dialog** (initial): Select this to reproduce movie dialog more clearly.
<Screen Ratio>	Select the monitor type to watch a wide screen picture on the external monitor. **16:9** (Initial) **4:3 LB** **4:3 PS**
<File Type>*	Select the playback file type when a disc contains different types of files. • **Audio**: Plays back audio files. • **Still Image**: Plays back picture files. • **Video**: Plays back video files. • **Audio&Video** (initial): Plays back audio files and video files.

* For playable file types, see page 56.
   If the disc contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture.

USB

Connecting a USB device

You can connect a USB mass storage class device such as a USB memory, Digital Audio Player etc. to the unit.
- For details about connecting USB devices, see page 54.
- You cannot connect a computer or portable HDD to the USB input terminal.
- For playable file types and notes on using USB devices, see page 57.

When a USB device is connected...

The source changes to **"USB"** and playback starts.
- All tracks in the USB device will be played repeatedly until you change the source.

To disconnect the USB device safely:

Press [⏏], then disconnect the USB device after "No Device" appears.

Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.
- To change settings for video playback, see page 39.
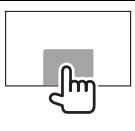
❏ Indications and buttons on the source control screen

Playback information
- The information displayed on the screen differs depending on the type of file being played back.

1 Track/file information
- Pressing **[<]** scrolls the text if not all of the text is shown.

2 Current playback item information (folder no./file no.)

3 Playback status

4 Playing time

5 Jacket picture (Shown while playing if the file has tag data that includes the jacket picture)

6 Playback mode (See the right column.)

7 File type

Operation buttons
- Available buttons on the screen and operations differ depending on the type of file being played back.

[MODE]	Changes the settings on the **<USB Mode>** screen. (Page 17)
[⏏]	Disconnects the USB device safely.
[▬][➕]	Selects a folder.
[⤬]	Selects random playback mode.[*1][*2] • **FO-RDM**: Randomly plays all tracks in the folder. • **RDM**: Randomly plays all tracks.
[⟳]	Selects repeat playback mode.[*1][*2] • **REP**: Repeats the current track. • **FO-REP**: Repeats all tracks in the current folder.
[Q]	Displays the folder/track list. (Page 17)
[▶❚❚]	Starts/pauses playback.
[◄◄][►►❚]	Selects a track.
[◄◄][►►]	Reverse/forward search.
[MENU]	Displays the **<TOP MENU>** screen.

[*1] To cancel random or repeat mode, press the button repeatedly until the indicator disappears.

[*2] You cannot activate the repeat mode and the random mode at the same time.

USB

❏ <USB Mode> settings

Setting <File Type>

[Audio]	Plays back audio files.
[Still Image]	Plays back picture files.
[Video]	Plays back video files.
[Audio&Video] (Initial)	Plays back audio files and video files.

• For playable files, see page 57. If the USB device contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture.

Setting <Screen Ratio>

Select the monitor type to watch a wide screen picture on the external monitor.

[16:9] (Initial)   **[4:3 LB]**   **[4:3 PS]**

Setting <Drive Select>

Press **[Next]**. Switches between internal memory and the memory source of the connected device (such as mobile phone).

❏ Selecting a folder/track on the list

1

2 Select the folder (①), then the item in the selected folder (②).
   • Repeat the procedure until you select the desired track.
   • If you want to play all tracks in the folder, press [▶] on the right of the desired folder.
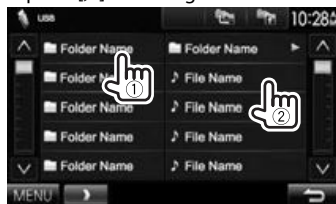
• You can change the page to display more items by pressing [∧]/[∨].
• Press [ ] to return to the root folder.
• Press [ ] to return to the upper layer.

iPod/iPhone

Preparation

❏ Connecting iPod/iPhone

• For details about connecting iPod/iPhone, see page 54.
• For playable iPod/iPhone types, see page 57.

Connect your iPod/iPhone using the appropriate cable according to your purpose.
• **To listen to music:** USB Audio cable for iPod/iPhone
  – For iPod/iPhone except for iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5: KCA-iP102 (optional accessory)
  – For iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5: KCA-iP103 (optional accessory)
• **To watch video and listen to music:** USB Audio and Video cable for iPod/iPhone—KCA-iP202 (optional accessory)
  – You cannot connect iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5 with KCA-iP202.

❏ Selecting preference settings for iPod/iPhone playback

When the source is **"iPod"**...

1

2
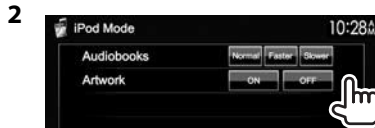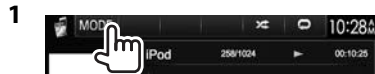
<Audiobooks> Select the speed of audio books.

<Artwork> Shows/hides artwork of iPod.

❏ Setting <AV Input> for iPod/iPhone playback

Select an appropriate input setting for **<AV Input>** according to the connection method of the iPod/iPhone.

• You can change the setting only when **[STANDBY]** is selected on **<TOP MENU>**. (Page 9)

1 Display the **<Input>** setting screen.
On the **<TOP MENU>** screen:
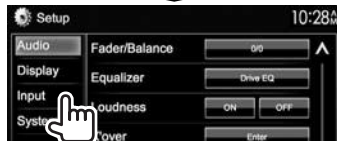
2

[AV-IN2] Select this when the iPod/iPhone is connected using KCA-iP102 or KCA-iP103 (optional accessory).

[iPod] Select this when the iPod/iPhone is connected using KCA-iP202 (optional accessory).

Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.

• To change settings for video playback, see page 39.
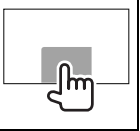
❏ Indications and buttons on the source control screen

Playback information

1 Song/video information
   • Pressing **[<]** scrolls the text if not all of the text is shown.
2 Track no./Total track number
3 Playback status
4 Playing time
5 Artwork (Shown if the song contains Artwork)
   • To change the Artwork display, see the far left column.
6 Playback mode (Page 19)
7 File type

iPod/iPhone

Operation buttons

[MODE]	Changes the settings for iPod/iPhone playback on the **<iPod Mode>** screen. (Page 18)
[ ]	Selects random playback mode.*[1]
	• **RDM**: Functions the same as Shuffle Songs.
	• **A-RDM**: Functions the same as Shuffle Albums.
[ ]	Selects repeat playback mode.
	• **REP**: Functions the same as Repeat One.
	• **ALL REP**: Functions the same as Repeat All.
[ ]	Displays the audio/video file list. (See the right column.)
[ ]	Starts/pauses playback.
[ ] [ ]	Selects an audio/video file.*[2]
[ ] [ ]	Reverse/forward search.
[MENU]	Displays the **<TOP MENU>** screen.

*[1] To cancel random mode, press the button repeatedly until the indicator disappears.

*[2] Resume playback is unavailable for video files.

❏ Selecting an audio/video file from the menu

1

2 Select the menu (: audio or : video) (①), a category (②), then a desired item (③).

• Select the item in the selected layer until a desired file starts playing.

• If you want to play all items in the layer, press [▶] on the right of the desired item.

Audio menu:

Video menu:

• You can change the page to display more items by pressing [∧]/[∨].

• Press [ ] to return to the root folder.

• Press [ ] to return to the upper layer.

• Available categories differ depending on the type of your iPod/iPhone.

APPs

You can use Apps of the connected iPod touch/iPhone on this unit.

- You cannot use Apps with iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5.

Preparation

1 Connect iPod touch/iPhone using KCA-iP202. (Page 54)

2 Select **[iPod]** for **<AV Input>**. (Page 18)

Using an App

When the operation buttons are not displayed on the screen, touch the screen to show them.
- To change settings for video playback, see page 39.

❏ Playback operations

1 Start the App on your iPod touch/iPhone.

2 Select **"APPs"** as the source.
On the **<TOP MENU>** screen:

❏ Operation buttons on the source control screen
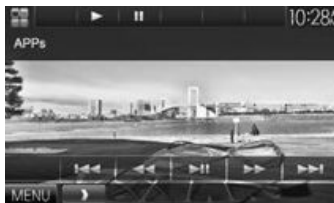
[▶]	Starts playback.
[❚❚]	Pauses playback.
[⏮] [⏭]	Selects an audio/video file.
[▶❚❚]	Starts/pauses playback.
[◀◀] [▶▶]	Reverse/forward search.
[MENU]	Displays the **<TOP MENU>** screen.

- You can operate some functions of the App on the touch panel.
- For some applications such as navigation applications, the operation buttons and information are not shown. You can perform the operations on the touch panel, such as scrolling the map.
  - If "🚫" appears on the screen, the unit cannot accept the touch operation you have tried to do.
- You can also play back the audio/video using iPod/iPhone itself instead of the unit.

❏ Switching to the App screen while listening to another source

- This operation works only when **<AV Key Long Press>** is set to **[APPs]**. (Page 46)

DDX6015BT

DDX4015BT/DDX415BT/DDX415BTM/DDX315/DDX315M

DDX615WBT/DDX615WBTM

Pandora® (Only for DDX4015BT)
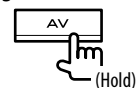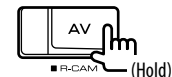
You can stream Pandora from iPod touch/
iPhone via a wired connection or from Android or
BlackBerry devices through Bluetooth.
• Install the latest version of the Pandora
application on your iPod touch/iPhone/Android/
BlackBerry.

Preparation

Connect the device, then start the Pandora
application.

For Android/BlackBerry

1 Pair the Android/BlackBerry device
through Bluetooth. (Page 30)
2 Select **"PANDORA"** as the source.
(Page 11)
3 Connect the Android/BlackBerry device for
using Pandora on the **<Bluetooth Setup>**
screen. (Page 32)

"Connected" appears. Press **[OK]** to confirm the
operation.
When the connection is established, the
Pandora application is started and the
"PANDORA" source control screen is displayed.

For iPod touch/iPhone

1 Connect the iPod touch/iPhone to the
USB terminal using KCA-iP202, KCA-iP102
or KCA-iP103 (optional accessory).
(Page 54)
2 Start the Pandora application on the
connected iPod touch/iPhone.
The **"PANDORA"** source control screen is
displayed.

Playback operations

You can operate Pandora using the remote
controller. Only playing, pausing, and skipping are
available.

❏ Indications and buttons on the source control screen

Playback information

1 Picture data (Shown if available from current
content and when iPod touch/iPhone is
connected via USB)
2 Track information
• Pressing **[<]** scrolls the text if not all of the text
is shown.
3 Playback status
4 Playing time

Operation buttons

[👤✔]	Bookmarks the artist.
[♪✔]	Bookmarks the current track.
[👤+]	Adds the current artist to the Station List.
[♪+]	Adds the current track to the Station List.
[🔍]	Displays the list selecting screen. (Page 22)
[👎]	Thumbs down to the current track and skips to the next track.
[👍]	Registers the current track as a favorite.
[▶❚❚]	Starts/pauses playback.
[▶▶❙]	Skips the current track.
	• Not available when the Pandora skip reaches its limit.
[MENU]	Displays the **<TOP MENU>** screen.

Pandora®

❏ Selecting a station from the list

1 Display the list selecting screen.

2 Select the list type.

<Station List>	Selects from the station names (Station List).
<Genre List>	Selects from the genre names (Genre List).

3 Select a station from the list.

On the Station List

[Shuffle]	Plays all the songs in the registered stations randomly.
[By Date]	Sorts the list in reverse chronological order.
[By Name]	Sorts the list in alphabetical order.

• You can change the page to display more items by pressing [∧]/[∨].
• The ⤬ indicator appears on the left of the item when Shuffle is activated. (All songs on the registered stations are played randomly.)
• The 👥 indicator appears on the right of the item when the station is shared.

On the Genre List

Select a genre (①), then a station (②).

• You can change the page to display more items by pressing [∧]/[∨].
• The selected station is added to the Station List.

Requirements for Pandora®

iPhone or iPod touch
• Install the latest version of the Pandora application on your iPhone or iPod touch. (Search for "Pandora" in the Apple iTunes App Store to find and install the most recent version.)
• Connect iPod touch/iPhone to this unit with KCA-iP202, KCA-iP102 or KCA-iP103 (optional accessory).

Android™
• Visit Google play and search for Pandora to install.
• Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

BlackBerry®
• Visit www.pandora.com from the built in browser to download the Pandora application.
• Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

NOTE
• Ensure you are logged in to your smartphone application. If you do not have a Pandora account, you can create one for free from your smartphone or at www.pandora.com.
• Pandora is available only in the U.S./Australia/New Zealand.
• Because Pandora is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
• Some functions of Pandora cannot be operated from this unit.
• For issues using the application, contact Pandora at pandora-support@pandora.com
• Establish an Internet connection using LTE, 3G, EDGE, or WiFi.

TUNER

Listening to the radio

❏ Indications and buttons on the source control screen

Tuner reception information

1. Band
2. Preset no.
3. The station frequency currently tuned in
4. ST/MONO indicator
   - The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.
5. AF indicator
6. Seek mode
7. LO.S indicator (Page 24)
8. RDS indicator
9. EON indicator: Lights up when a Radio Data System station is sending EON signals.
10. Text information
    - Pressing **[<]** scrolls the text if not all of the text is shown.
    - Pressing **[Radio Text]** switches the information between Radio Text, Radio Text Plus, and PTY code.
11. Standby reception indicators

Operation buttons

[P1] – [P6]	• Selects a stored station. (Press) • Stores the current station. (Hold)
[MODE]	Changes the settings for tuner reception on the **<TUNER Mode>** screen. (Page 24)
[TI]*	Activates/deactivates TI standby reception mode. (Page 25)
[AME]	Presets stations automatically. (Page 24)
[MONO]*	Activates/deactivates monaural mode for better FM reception. (Stereo effect will be lost.) • The MONO indicator lights up while monaural mode is activated.
[TEXT]	Changes the display information. (See the right column.)
[PTY]*	Enters PTY search mode. (Page 25)
[AM]	Selects the AM band.
[FM]	Selects the FM band. FM1 → FM2 → FM3
[SEEK]	Changes the seek mode. • **AUTO1**: Auto Search • **AUTO2**: Tunes in the stations in the memory one after another. • **MANU**: Manual Search
[|◄◄] [►►|]	Searches for a station. • The search method differs according to the selected seek mode. (See above.)
[MENU]	Displays the **<TOP MENU>** screen.

* Appears only when FM is selected as the source.

❏ Changing the display information
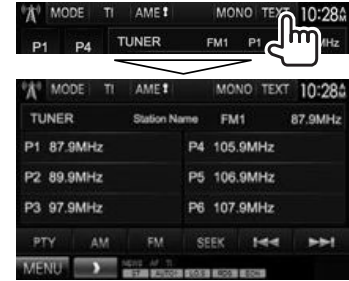
The preset list and the station name for FM Radio Data System (when a PS signal is coming in) are displayed.
- Press **[TEXT]** again to display the text information for the station currently being received.

❏ Setting the antenna control

You can store the antenna automatically when the source is changed from the tuner to another source.
• The antenna is extended regardless of the setting when the source is the tuner.

1

2

[ON]   Select this to keep the antenna extended even when the source is not the tuner.

[OFF] Select this to store the antenna automatically.

❏ Tuning in FM stations only with strong signals—Local Seek

1

2

[ON]   Select this to tune in only to stations with sufficient signal strength. The LO.S indicator lights up.

[OFF] Deactivate the function.

Presetting stations

❏ Storing stations in the memory

You can preset 6 stations for each band.

Automatic presetting—AME (Auto Memory)
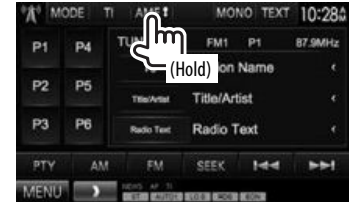
Local stations with the strongest signals are found and stored automatically.

Manual presetting

1 Tune in to a station you want to preset. (Page 23)

2 Select a preset number.

The station selected in step **1** is stored.

❏ Selecting a preset station

FM Radio Data System features

❏ Searching for FM Radio Data System programs—PTY Search

You can search for your favorite programs being broadcast by selecting the PTY code.

1

2 Select a PTY code.

• You can change the page to display more items by pressing [∧]/[∨].
PTY Search starts.
If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

• Only English/Spanish/French/German/Dutch/ Portuguese are available for the text language here. If another language has been selected in **<Language>** (Page 46), the text language is set to English.

❏ Activating/deactivating TI/News Standby Reception

TI Standby Reception

The unit is in standby to switch to Traffic Information (TI) if available. (The TI indicator lights up in white.)
• If the TI indicator is lit in orange, tune into another station providing Radio Data System signals.

To deactivate TI Standby Reception: Press **[TI]**. (The TI indicator turns off.)

• The volume adjustment for Traffic Information is automatically memorized. The next time the unit switches to Traffic Information, the volume is set to the previous level.

News Standby Reception

1

2

[00min] -	Activate News Standby Reception
[90min]	(the NEWS indicator lights up). Select the period of time to disable interruption.
[OFF]	Deactivate the function.

- The volume adjustment while receiving News is automatically memorized. The next time the unit switches to News, the volume is set to the previous level.

❏ **Tracing the same program—Network-Tracking Reception**

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM Radio Data System station of the same network, possibly broadcasting the same program with stronger signals.

- When shipped from the factory, Network-Tracking Reception is deactivated.

To change the Network-Tracking Reception setting

1

2

[AF]	Switch to another station. The program may differ from the one currently received (the AF indicator lights up).
[AF Reg]	Switch to another station broadcasting the same program (the AF indicator lights up).
[OFF]	Deactivate the function.

- The RDS indicator lights up when the Network-Tracking Reception is activated and an FM Radio Data System station is found.

❏ **Automatic TI station seek—Auto TP Seek**

When traffic information station reception is poor, the unit automatically searches for another station that can be received better.

To activate Auto TP Seek

1

2
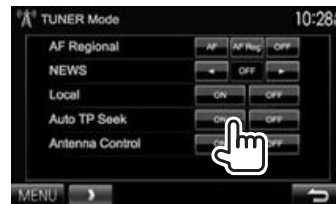
To deactivate Auto TP Seek: Press **[OFF]**.

OTHER EXTERNAL COMPONENTS

Using external audio/video players—AV-IN

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.
• To change settings for video playback, see page 39.

You can connect an external component to the Audio Video input terminal and iPod/Audio Video input terminal. (Page 54)

❏ Preparation

Select an appropriate input setting for **<AV Input>**.
• Perform the following setting when using **"AV-IN2"**. No preparation is required for **"AV-IN1"**.
• You can change the setting only when **[STANDBY]** is selected on **<TOP MENU>**. (Page 9)

1 Display the **<Input>** setting screen.
On the **<TOP MENU>** screen:

2
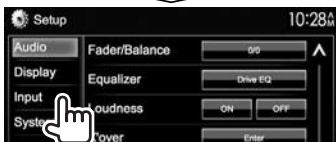
❏ Indications and buttons on the source control screen

Playback information
1 AV-IN name

Operation buttons

[MODE] Changes the AV-IN name.
• Press [◄] or [►] to select an AV-IN name.
• This setting does not affect the source name displayed on **<TOP MENU>**.

[MENU] Displays the **<TOP MENU>** screen.

❏ Starting playback

1 Connect an external component. (Page 54)

2 Select **"AV-IN1"** or **"AV-IN2"** as the source.
On the **<TOP MENU>** screen:

3 Turn on the connected component and start playing the source.

OTHER EXTERNAL COMPONENTS

Using a rear view camera

- To connect a rear view camera, see page 54.
- To use a rear view camera, a REVERSE lead connection is required. (Pages 52 and 53)

❏ Activating the rear view camera

1 Display the **<Input>** setting screen.
On the **<TOP MENU>** screen:

2

To deactivate: Select **[Off]** for **<R-CAM Interrupt>**.

❏ Displaying the picture from the rear view camera

The rear view screen is displayed when you shift the gear to the reverse (R) position.

- To erase the caution message, touch the screen.
- You can change the setting of the picture using **[Zoom]**/**[Aspect]**/**[Picture Adjust]**. (Page 39)

To display the picture from the rear view camera manually

- This operation works only when **<AV Key Long Press>** is set to **[R-CAM]**. (Page 46)

DDX6015BT
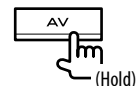
(Hold)

**DDX4015BT/DDX415BT/
DDX415BTM/DDX315/
DDX315M**

(Hold)

**DDX615WBT/
DDX615WBTM**
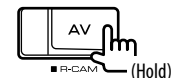
(Hold)

To exit the rear view screen: Press and hold the same button again.

OTHER EXTERNAL COMPONENTS

Using the external navigation unit

You can connect a navigation unit (KNA-G630: optional accessory) to the NAV input terminal so that you can view the navigation screen. (Page 54)
• The navigation guidance comes out of the front speakers even when you listen to an audio source.

❏ Viewing the navigation screen

On the **<TOP MENU>** screen:

• While the navigation screen is displayed, the touch panel operations are available only for navigation.
• The aspect ratio of the navigation screen is fixed to **<FULL>** regardless of the **<Aspect>** setting (Page 40).

To exit the navigation screen

DDX6015BT

DDX4015BT/DDX415BT/ DDX415BTM/DDX315/ DDX315M
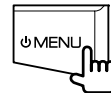
DDX615WBT/ DDX615WBTM
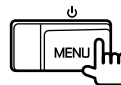
❏ Settings for the navigation unit

1 Display the **<Input>** setting screen.
On the **<TOP MENU>** screen:

2 Display the **<Navigation>** screen.

3

<Guidance>*	Select which front speakers are used for the navigation guidance.
<Volume>*	Adjust the volume of the navigation guidance. (0 to 35)
<NAV Setup>	Press **[Enter]** to display the setup screen for the navigation unit. See the instruction manual supplied for the navigation unit.

* When an item is grayed out, you cannot change the setting. To change the settings, select **[Unlock]** on the **<SETUP Memory>** screen. (Page 43)

BLUETOOTH (Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX615WBT/DDX615WBTM)

Information for using Bluetooth® devices

Bluetooth is a short-range wireless radio communication technology for mobile devices such as mobile phones, portable PCs, and other devices. Bluetooth devices can be connected without cables and communicate with each other.

Notes
• While driving, do not perform complicated operations such as dialing numbers, using the phonebook, etc. When you perform these operations, stop your car in a safe place.
• Some Bluetooth devices may not connect to this unit depending on the Bluetooth version of the device.
• This unit may not work for some Bluetooth devices.
• Connecting conditions may vary depending on your environment.
• For some Bluetooth devices, the device is disconnected when the unit is turned off.

Connecting Bluetooth devices

❏ Registering a new Bluetooth device
When you connect a Bluetooth device to the unit for the first time, pair the unit and the device. Pairing allows Bluetooth devices to communicate with each other.
• The pairing method differs depending on the Bluetooth version of the device.
  – For devices with Bluetooth 2.1: You can pair the device and the unit using SSP (Secure Simple Pairing) which only requires confirmation.
  – For devices with Bluetooth 2.0: You need to enter a PIN code both on the device and unit for pairing.
• Once the connection is established, it is registered in the unit even if you reset the unit. Up to 5 devices can be registered in total.
• Only one device for Bluetooth phone and one for Bluetooth audio can be connected at a time.
• To use the Bluetooth function, you need to turn on the Bluetooth function of the device.
• To use the registered device, you need to connect the device to the unit. (Page 32)

Auto pairing
When **<Auto Pairing>** is set to **[ON]**, iOS device (such as iPhone) is automatically paired when connected via USB. (Page 46)

Pairing a Bluetooth device using SSP (for Bluetooth 2.1)
When the Bluetooth device is compatible with Bluetooth 2.1, a pairing request is sent from an available device.

1 Search the unit (**"DDX ****"**) from your Bluetooth device.

2 Confirm the request both on the device and the unit.

• Press **[Cancel]** to reject the request.

BLUETOOTH

Pairing a Bluetooth device using a PIN code (for Bluetooth 2.0)

1 Display the **<Bluetooth Setup>** screen.
On the **<TOP MENU>** screen:
- Press [∨] repeatedly to change the page on the **<System>** menu screen.

2 Change the PIN code.
- If you skip changing the PIN code, go to step **3**.
- The PIN code is initially set to "0000".
- The maximum number of digits in the PIN code is 16.
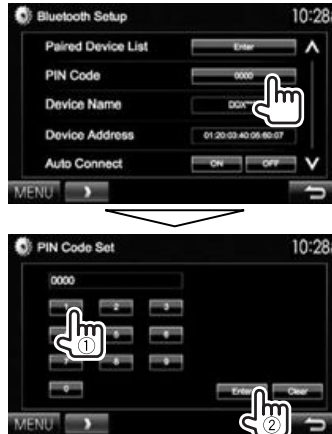
- Press **[Clear]** to delete the last entry.

3 Search the unit (**"DDX ****"**) from your Bluetooth device.

4 Select the unit (**"DDX ****"**) for your Bluetooth device.

- If the PIN code is required, enter "0000" (initial).

When pairing is complete, the device is listed on **<Paired Device List>**.

- To use the paired device, connect the device on **<Paired Device List>**. (Page 32)

❏ Connecting a registered Bluetooth device

1 Display the **<Bluetooth Setup>** screen. (Page 31)

2

3 Select the device you want to connect (①), then select what you want to use the device for (②).

[TEL (HFP)]: for mobile phone
[Audio (A2DP)]: for Bluetooth audio player
[PANDORA (SPP)]: for Pandora*
- Selectable items depend on the device you are operating.
- If you connect a device while another device is connected, the device previously connected is disconnected and the connection for the newly connected device is established.

- When a Bluetooth mobile phone is connected, the signal strength and battery level are displayed when the information is acquired from the device.

To disconnect
Select **[TEL (HFP)]**, or **[Audio (A2DP)]**, or **[PANDORA (SPP)]*** to disconnect the Bluetooth device being used for that function on the **<Paired Device List>** screen (see the left column).

* **[PANDORA (SPP)]** appears only for DDX4015BT.

❏ Deleting a registered Bluetooth device

1 Display the **<Bluetooth Setup>** screen. (Page 31)

2

3 Select a device to delete (①), then delete the registration (②).

A confirmation message appears. Press **[Yes]**.

* **[PANDORA (SPP)]** appears only for DDX4015BT.

Using the Bluetooth mobile phone

❏ Receiving a call

When a call comes in...

- Call information is displayed if acquired.
- Phone operation is not available while the picture from the rear view camera is displayed. (Page 28)

To reject a call

When <Auto Response> is set to [ON] (Page 37)
The unit answers the incoming call automatically.

❏ Ending a call

While talking...

BLUETOOTH

❏ Adjusting the volume of calls/earpiece/ microphone

While talking...

- You can adjust the volume level between −20 to +8 (initial: 0).
- Use the monitor panel to adjust the call/earpiece volume. (Page 8)

❏ Switching between handsfree mode and phone mode

While talking...
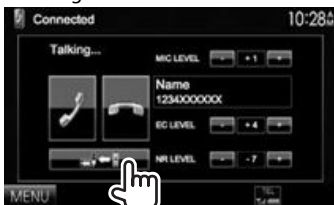
Each time you press the button, the talking method is switched (: handsfree mode / : phone mode).

❏ Notification when SMS is received

If the mobile phone is compatible with SMS (Short Message Service), the unit tells you a message has been received when **<SMS Notify>** is set to **[ON]**. (Page 37)

- To read a received message, operate the mobile phone after stopping the car in a safe place.
  - You cannot read, edit, or send a message through the unit.
- For some mobile phones, the notification message may not be shown even if the SMS function is supported.

❏ Reducing noise/adjusting the echo cancel level

While talking...

- **To adjust the echo volume (between 1 to 10, initial: 4):** Adjust **<EC LEVEL>**.
- **To adjust the noise reduction volume (between −5 to −20, initial: −7) :** Adjust **<NR LEVEL>**.

❏ Making a call

1 Display the **<Hands Free>** screen.
On the **<TOP MENU>** screen:

- You can also display the **<Hands Free>** screen by pressing TEL on the monitor panel.

2 Select a method to make a call.
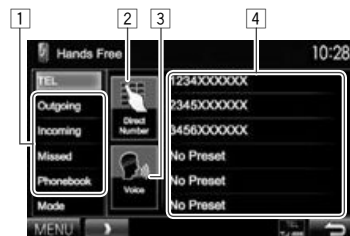
1 From the phone book/call lists
2 Direct number entry
3 Voice dialing
4 Preset list
   - To preset, see page 35.

BLUETOOTH

From the phone book/call lists

1

[Outgoing]	From the dialed call list
[Incoming]	From the received call list
[Missed]	From the missed call list
[Phonebook]	From the phone book
	• To copy the phone book, see page 35.
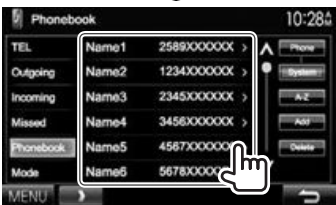
• You can change the page to display more items by pressing [∧]/[∨].

2

• To use the A to Z search in the phone book:
  When the **<Phonebook>** screen is displayed, you can search by initial.

1

2 Select the initial.
• If the initial is not a letter or number, press **[Others]**.

3 Select a phone number from the list.
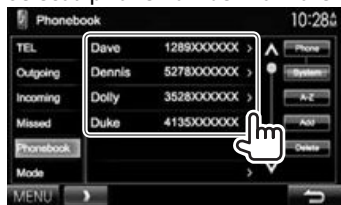
• To display the details of an entry:
  When the **<Phonebook>** is displayed, you can display the details of an entry and select a phone number if several phone numbers are registered.

1 Display the details of the desired entry.

2 Select a phone number to call.
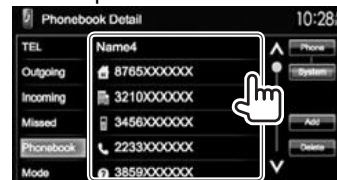
Direct number entry
You can enter up to 32 numbers.
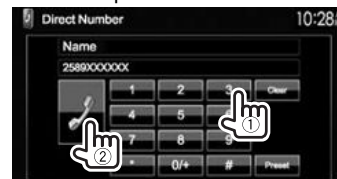
• Press **[Clear]** to delete the last entry.
• Press and hold **[0+]** to add "+" to the phone number.
• Press **[Preset]** to save the entered phone number onto the preset list.

BLUETOOTH

Voice dialing
- Available only when the connected mobile phone has a voice recognition system.

1 Activate voice dialing.
On the **<Hands Free>** screen:

On the monitor panel:
DDX6015BT

(Hold)

**DDX4015BT/DDX415BT/
DDX415BTM**

(Hold)

**DDX615WBT/
DDX615WBTM**

(Hold)
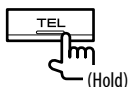
2 Say the name of the person you want to call.
- If the unit cannot find the target, the following screen appears. Press **[Start]**, then say the name again.

To cancel voice dialing: Press **[Cancel]**.

❏ Presetting phone numbers
You can preset up to 6 phone numbers.

1 Display the **<Hands Free>** screen. (Page 33)

2 Select an item from the phone book/call lists. (Page 34)

3 Select a phone number.

(Hold)

4 Select a preset number to store into.

- You can also preset a phone number entered on the **<Direct Number>** screen by pressing **[Preset]**. (Page 34)

To delete the preset phone numbers: Initialize the settings from **<Initialize>** in **<Bluetooth Setup>**. (Page 46)

❏ Copying the phone book
You can copy the phone book memory of a mobile phone into the unit (up to 400 entries).

1 Display the **<Hands Free>** screen. (Page 33)

2

3
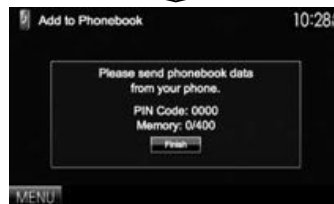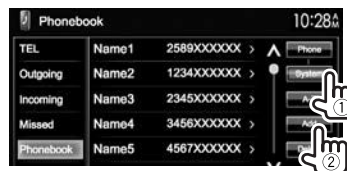
The PIN code (initial: 0000) necessary for copying the phonebook from the mobile phone and the number of copied phone book entries are displayed.

4 Operate the target mobile phone.
- Refer to the instruction manual supplied with your mobile phone.
- To cancel the transfer, press **[Finish]**.

5 Finish the procedure.

The phone book memory is copied from the mobile phone.

About mobile phones compatible with Phone Book Access Profile (PBAP)

If your mobile phone supports PBAP, you can display the phone book and call lists on the touch panel screen when the mobile phone is connected.

• Phone book: up to 5 000 entries
• Dialed calls, received calls, and missed calls: up to 50 entries each

To display the phone book/call lists of the mobile phone or the unit

[Phone]   Displays the phone book/call lists on the connected mobile phone.
[System]   Displays the phone book/call lists copied to the unit.

❏ **Deleting the phone number entries in the unit**

1 Display the phone book/call list you want to delete. (Page 33)

2
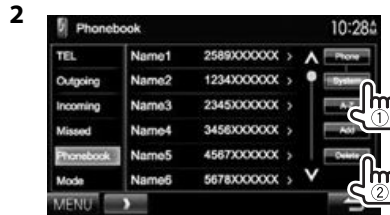
• You cannot delete data when [Phone] is selected.

3 Select the item you want to delete.
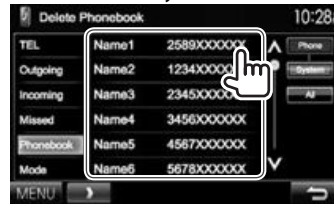
• Press [All] to delete all the numbers/names in the selected list.
A confirmation message appears. Press [Yes].

Settings for Bluetooth mobile phones

1 Display the **<Hands Free>** screen. (Page 33)

2

BLUETOOTH

❏ Setting items

<Phone Device>	Shows the connected phone device name.
<Auto Response>	• **ON**: The unit answers the incoming calls automatically in 5 seconds. • **OFF** (Initial): The unit does not answer the calls automatically. Answer the calls manually.
<SMS Notify>	• **ON**: The unit informs you of the arrival of a message by ringing and displaying "Receiving Message". • **OFF** (Initial): The unit does not inform you of the arrival of a message.
<Ring Mode>	• **System** (Initial): The ring tone set on the unit is used. • **Phone**: The ring tone set on the mobile phone is used. (This function may not work depending on the mobile phone.)
<Ring Tone Change>	When **<Ring Mode>** is set to **<System>**, press **[Enter]**, then select the ring tone for received calls and SMS from **<Tone1>** (Initial), **<Tone2>**, **<Tone3>**. • **Call Tone**: Selects the ring tone for phone calls. • **Message Tone**: Selects the ring tone for SMS.

Using the Bluetooth audio player

• To register a new device, see page 30.
• To connect/disconnect a device, see page 32.

❏ Indications and buttons on the source control screen

• The operation buttons, indications and information displayed on the screen differ depending on the connected device.

Playback information

1 Playback status*
2 Playing time*
3 Tag data (current track title/artist name/album title)*
   • Pressing **[<]** scrolls the text if not all of the text is shown.
4 The signal strength and battery level (only when the information is acquired from the device)

Operation buttons

[|◄◄] [►►|]	• Selects a track. (Press) • Reverse/forward search.* (Hold)
[►]	Starts playback.
[❙❙]	Pauses playback.
[MENU]	Displays the **<TOP MENU>** screen.

* Available only for devices compatible with AVRCP 1.3.

SETTINGS

Sound adjustment

❏ Using the sound equalization

- The adjustment is memorized for each source until you adjust the sound again. If the source is a disc, the adjustment is stored for each of the following categories.
  - DVD/VCD
  - CD
  - DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC
- You cannot adjust the sound when the unit is in standby.

Selecting a preset sound mode

1 Display the **<Equalizer>** screen.
On the **<TOP MENU>** screen:

2 Select a sound mode.
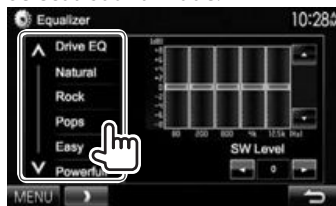
- You can change the page to display more items by pressing [∧]/[∨].
- **[Drive EQ]** is a preset equalizer that reduces noise from the road.

- You can also display the **<Equalizer>** screen by pressing AUD (for DDX6015BT/DDX315/DDX315M) or AUDIO (for DDX4015BT/DDX615WBT/DDX615WBTM) on the monitor panel.

Storing your own adjustment—Customizing preset sound mode

1 Select a sound mode. (See the far left column.)

2 Select a band and adjust the level of the selected band.
- You can adjust the level by dragging the control or using [▲]/[▼].
- Repeat this step to adjust the level of other bands.

3 Adjust the subwoofer level.
- The subwoofer level is adjustable only when the subwoofer is activated. (Page 44)
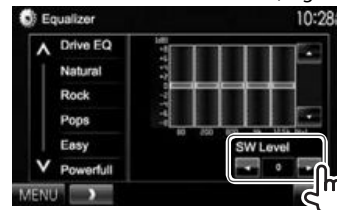
The adjustments are stored and **<User>** is activated.

❏ Adjusting the crossover frequency

1 Display the **<X'over>** screen.
On the **<TOP MENU>** screen:

- When **<X'over>** is grayed out, you cannot change the setting. Select **[Unlock]** on the **<SETUP Memory>** screen to change the setting. (Page 43)

2 Select the item to adjust (①), then make adjustments (②).
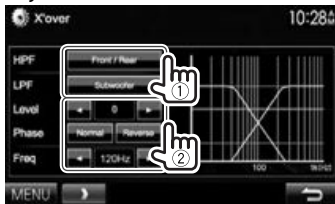
<HPF>	Adjusts the crossover for the front/rear speakers (high pass filter).
<LPF>	Adjusts the crossover for the subwoofer (low pass filter).*¹
<Level>	Adjusts the subwoofer level.*¹
<Phase>	Selects the phase for the subwoofer.*²
<Freq>	Adjusts the crossover frequency.

*¹ Adjustable only when the subwoofer is activated. (Page 44)
*² Not selectable when **<Freq>** is set to **<Through>**.

Adjustment for video playback

❏ Adjusting the picture
You can adjust the picture quality.

1 Display the adjustment menu.
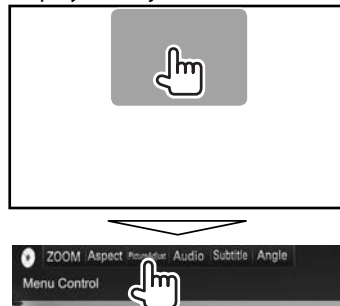
- When the App or navigation screen is displayed, you can press AV on the monitor panel to switch to the picture adjustment menu.

2 Select **[DIM ON]** (dimmer on) or **[DIM OFF]** (dimmer off).

3 Adjust the picture (−15 to +15).

<Bright>	Adjusts the brightness.
<Contrast>	Adjusts the contrast.
<Black>	Adjusts the blackness.
<Color>	Adjusts the color.
<Tint>*	Adjusts the tint.
<Sharpness>	Adjusts the sharpness.

* Adjustable only when the incoming signal is NTSC.

❏ Changing the aspect ratio

You can change the aspect ratio for video playback.

1 Display the adjustment menu.

ZOOM Aspect PictureAdjust Audio Subtitle Angle

Menu Control

2 Select the aspect ratio.

<FULL>* For 16:9 original pictures

4:3 signal   16:9 signal

<JUST> For viewing 4:3 pictures naturally on the wide screen

4:3 signal   16:9 signal

<Normal>* For 4:3 original pictures

4:3 signal   16:9 signal

<Auto> For **"DISC"/"USB"** only: The aspect ratio is automatically selected to match the incoming signals.

* While DivX is played back with **<Screen Ratio>** set to **[16:9]** (for DVD: Page 15/for USB: Page 17), the aspect ratio is not set correctly.

❏ Zooming the picture

You can zoom the picture (**<FULL>**, **<Zoom1>** to **<Zoom3>**).

• When **<Aspect>** is set to **<JUST>** or **<Auto>** (see the left column), the picture is zoomed with the aspect ratio of the **<FULL>** setting.

1 Display the adjustment menu.

ZOOM Aspect PictureAdjust Audio Subtitle Angle

Menu
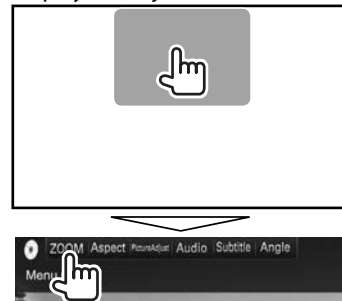
2 Change the magnification (①), then move the zooming frame (②).

• The zoom function cannot be used for some video sources.

Changing display design

You can change the background and panel color.

1 Display the **<User Customize>** screen.
On the **<TOP MENU>** screen:
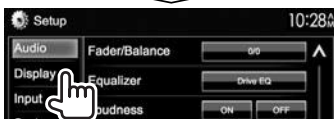
2 Select an item to change (background design: **[Background]**/panel color: **[Panel Color]**).

3 Select a background/panel color.
To select a background

*1

To select a panel color

*2
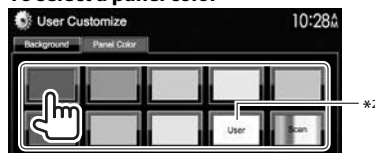
• Selecting **[Scan]** changes the illumination color gradually.

*1 Store your own scene beforehand. (See the right column.)
*2 Store your own color adjustment beforehand. (See below.)

❏ **Making your own color adjustment**

1 Select **[Panel Color]** on the **<User Customize>** screen. (See the left column.)

2

①
②

3 Select the dimmer setting for the color (①), then adjust the color (②).

②
①

❏ **Storing your own scene for the background image**

While playing a video or picture, you can capture an image and use the captured image as a background.
• You cannot capture copyrighted content and images from iPod/iPhone.
• When using a JPEG file as the background, make sure that the resolution is 800 x 480 pixels.
• The color of the captured image may look different from that of the actual scene.

1 Play a video or picture.

2 Display the **<User Customize>** screen. (See the far left column.)

3

4 Adjust the image.
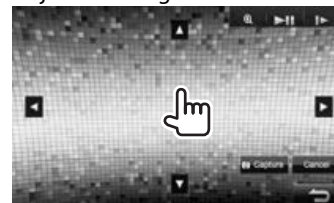
[▲][▼][◀][▶]	Moves the zooming frame.
[🔍]	Magnifies the scene. (**<OFF>**, **<Zoom1>** – **<Zoom3>**)
[▶II]*	Starts/pauses playback.
[I▶]*	Advances scenes frame-by-frame.

• To cancel the capture, press **[Cancel]**.

5 Capture the image displayed on the screen.

A confirmation message appears. Press **[Yes]** to store the newly captured image. (The existing image is replaced with the new one.)
• Press **[No]** to return to the previous screen.

* Not displayed when playing an external component connected to the Audio Video input or iPod/Audio Video input terminal.

Customizing the <TOP MENU> screen

You can arrange the items to display on the **<TOP MENU>** screen.

1 Display the **<Menu Customize>** screen.
On the **<TOP MENU>** screen:
• Press [∨] repeatedly to change the page on the **<Display>** menu screen.

2 Select where to place the icon (①), then select the item you want to display in the selected position (②).
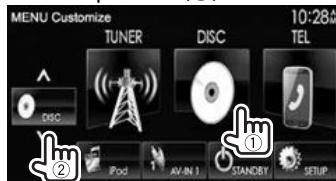
Repeat this step to place icons for other items.
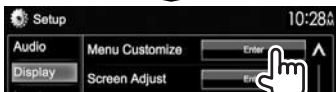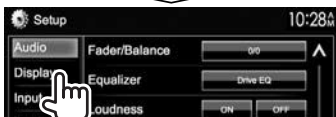
Customizing the system settings

❏ Memorizing/recalling the settings
• You can memorize the settings changed in the **<Setup>** menu and recall the memorized settings anytime.
• The memorized settings are kept even when the unit is reset. (Page 3)

1 Display the **<SETUP Memory>** screen.
On the **<TOP MENU>** screen:

2

• To cancel, press **[No]**.

3 Select an operation.

[Recall]	Recalls the memorized settings.
[Memory]	Memorizes the current settings.
[Clear]	Clears the currently memorized settings.

• To cancel, press **[Cancel]**.

A confirmation message appears. Press **[Yes]**.
• When you perform recall or clear, the unit enters standby mode after confirmation.
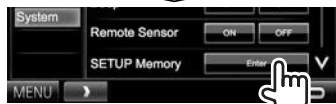
❏ Locking the settings

You can lock the settings to prevent them from being changed.
• A 🔒 icon is shown beside the settings that can be locked.

1 Display the **<SETUP Memory>** screen. (Page 42)

2
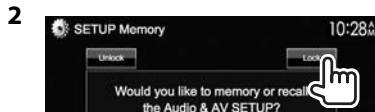
To unlock the setting: Press [**Unlock**].

❏ Updating the system

You can update the system by connecting a USB device containing an update file.
• For system updates, visit <http://www.kenwood.com/cs/ce/>.

1 Create an update file, copy it to a USB device, and connect it to the unit.
   • To connect a USB device, see page 54.

2 Display the **<System Information>** screen.
   On the **<TOP MENU>** screen:
   • Press [∨] repeatedly to change the page on the **<System>** menu screen.

3

<Application Version>	Updates the system application.
<DVD Version>	Updates the DVD system application.
<System Version>	Updates the system.
<Bluetooth Version>*	Updates the Bluetooth application.

It may take a while.
If the update has been completed successfully, "Update Completed" appears. Reset the unit.

• If the update has failed, turn the power off and then on, and retry the update.
• Even if you have turned off the power during the update, you can restart the update after the power is turned on. The update will be performed from the beginning.

* Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/ DDX615WBT/DDX615WBTM.

❏ Adjusting the touch position

You can adjust the touch position on the touch panel if the position touched and the operation performed do not match.

1 Display the **<Touch Panel Adjust>** screen.
   On the **<TOP MENU>** screen:
   • Press [∨] repeatedly to change the page on the **<System>** menu screen.

2 Touch the center of the marks at the lower left and at the upper right as instructed.
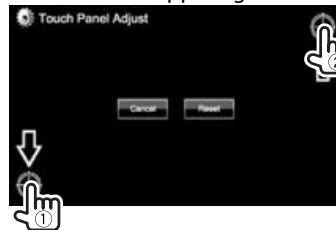
• To reset the touch position, press [**Reset**].
• To cancel the current operation, press [**Cancel**].

Setting menu items

❏ Displaying the <Setup> menu screen

On the **<TOP MENU>** screen:

• You cannot change the **<Audio>** settings screen when **[STANDBY]** is selected on the **<TOP MENU>** screen. (Page 9)

❏ <Audio> setting screen

<Fader/Balance>
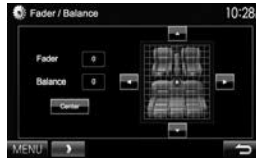
Fader: Adjust the front and rear speaker output balance.
• **F6** to **R6** (Initial: **0**)
  – When using a two-speaker system, set the fader to the center (**0**).

Balance: Adjust the left and right speaker output balance.
• **L6** to **R6** (Initial: **0**)
  Press [▲]/[▼]/[◀]/[▶] or drag [ ] to adjust.
  – To clear the adjustment, press **[Center]**.

<Equalizer>

Change the sound mode or adjust and store the equalization for each source. (Page 38)
• **Drive EQ** (Initial)/**Natural/Rock/Pops/Easy/ Powerful/Top40/Jazz/User**

<Loudness>

You can activate/deactivate loudness.
• **ON** (Initial): Boost low and high frequencies to produce a well-balanced sound at a low volume level. The LOUD indicator lights up.
• **OFF**: Cancels.

<X'over>*

Adjust the crossover frequency. (Page 39)

<Volume Offset>

Adjust and store the auto-adjustment volume level for each source. (For discs, the adjustment is stored for each of the following categories: DVD/VCD, CD, and DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC.) The volume level will automatically increase or decrease when you change the source.
• **−15** to **+6** (Initial: **0**)

<Subwoofer>*
• **ON** (Initial): Activates the subwoofer.
• **OFF**: Deactivates the subwoofer.

<Bass Boost>

Select your preferred bass boost level.
• **OFF** (Initial)/**Level 1/Level 2/Level 3**

<Speaker Select>*

Select the size of the connected speaker.
• **Standard** (Initial)/**Narrow/Middle/Wide**

---

* When an item is grayed out, you cannot change the setting. Select **[Unlock]** on the **<SETUP Memory>** screen to change the setting. (Page 43)

SETTINGS

❏ **\<Display\> setting screen**

\<Dimmer\>
- **Auto** (Initial): Dims the screen and button illumination when you turn on the headlights.
  - The ILLUMI lead connection is required. (Page 52)[*1]
- **ON**: Activates dimmer.
- **OFF**: Cancels.
- **NAV**: Activates or deactivates the dimmer according to the day/night display setting of the connected navigation unit.

\<User Customize\>
Change the display design (background and panel color). (Page 41)

\<OSD Clock\>
- **ON**: Displays the clock while a video source is played back.
- **OFF** (Initial): Cancels.

\<Demonstration\>
- **ON** (Initial): Activates the demonstration on the screen.
- **OFF**: Cancels.

\<Scroll\>
- **ON** (Initial): Repeats scrolling.
- **Once**: Scrolls the displayed information once.
- **OFF**: Cancels.
Pressing **[<]** scrolls the text regardless of this setting.

\<Menu Customize\>
Change the items to display on the **\<TOP MENU\>** screen. (Page 42)

\<Screen Adjust\>
Adjust the brightness and blackness of the screen. Press **[Enter]** to display the setting screen, select **[DIM ON]** (dimmer on)/**[DIM OFF]** (dimmer off), then change the following settings:
- **Bright**: Adjusts brightness.
  - **−15** to **+15** (Initial: **0** for Dimmer On/**+15** for Dimmer Off)
- **Black**: Adjusts blackness.
  - **−15** to **+15** (Initial: **0**)

\<Video Output\>[*2]
Select the color system of the external monitor.
- **NTSC**, **PAL** (Initial)

\<Angle\>[*3]
Adjust the panel angle. (Page 9)

[*1] Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX315/ DDX315M.
[*2] "Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.
[*3] Only for DX6015BT/DDX615WBT/DDX615WBTM.

❏ **\<Input\> setting screen**

\<AV Input\>
You can determine the use of the iPod/Audio Video input terminal.
- **AV-IN2** (Initial): Select to use the AV component connected to the iPod/AV-IN2 input terminal. (Page 54)
- **iPod**: Select to use iPod/iPhone connected using the USB Audio/Video cable for iPod/iPhone. (Page 54)

\<R-CAM Interrupt\>
- **ON**: Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
- **OFF** (Initial): Select this when no camera is connected.

\<Navigation\>
Change the navigation settings. (Page 29)

❏ <System> setting screen

<Language>*1

Select the text language used for on-screen information.

- **English** (Initial)/**Español/Français/Deutsch/ Italiano/Nederlands/Ελληνικά/Português/ Türkçe/Čeština/Polski/Magyar/Русский/עברית/ فارسى/العربية/ภาษาไทย/简体中文/繁體中文/Bahasa Indonesia/한국어**
  - For external monitors, only English/Spanish/ French/German/Italian/Dutch/Russian/ Portuguese are available. If another language has been selected, the text language for external monitors will be set to English.
- **GUI Language**: Select a language used for displaying operation buttons and menu items.
  - **English** (Initial)/**Local** (the language selected above)

<Clock>

Adjust the clock time. (Page 5)

<Beep>

- **ON** (Initial): Activates the key-touch tone.
- **OFF**: Cancels.

<Remote Sensor>

- **ON** (Initial): Activates the remote sensor.
- **OFF**: Cancels.

<SETUP Memory>

You can memorize, recall, or clear the settings you have made. (Page 42)

<Bluetooth Setup>*2

Configure settings for using a Bluetooth device, such as connection and other general operations.

- **Paired Device List**: Press **[Enter]** to show the list of registered devices. You can connect the device or delete the registration. (Page 32)
- **PIN Code**: Changes the PIN code of the unit. (Page 31)
- **Device Name**: Shows the device name to be shown on the Bluetooth device—"DDX****".
- **Device Address**: Shows the device address of the unit.
- **Auto Connect**:
  - **ON** (Initial): The connection is automatically established with the last connected Bluetooth device when the unit is turned on.
  - **OFF**: Cancels.
- **Bluetooth HF/Audio**: Select the speakers used for Bluetooth (both phone and audio player).
  - **Front Only**: From front speakers only.
  - **All** (Initial): From all speakers.
- **Auto Pairing**:
  - **ON** (initial): Establishes pairing automatically with the connected iOS device (such as iPhone) even if the Bluetooth function is deactivated on the device. (Auto pairing may not work for some devices depending on the iOS version.)
  - **OFF**: Cancels.
- **Initialize**: Hold **[Enter]** to initialize all settings you have made for using Bluetooth mobile phone and Bluetooth audio player.

<AV Key Long Press>

Assigns the function of the AV button when held.

- **V-OFF** (Initial)*3: Turns off the screen. (Page 9)
- **APPs**: Displays the APPs screen.*4 (Page 20)
- **R-CAM**: Displays the picture from the rear view camera. (Page 28)

<DivX® VOD>

This unit has its own Registration Code. Once you have played back a file with the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.

- Press **[Enter]** to display the information.
- To return to the previous screen, press **[OK]**.

<Security Code>

Register the security code for the unit. (Page 4)

<SI>

Activate or deactivate the security function. (Page 5)

<Serial Number>

Displays the serial number.

<Touch Panel Adjust>

Adjust the touch position of the buttons on the screen. (Page 43)

<Steering Remote Controller>

Assign the functions to the keys on the remote controller of the steering wheel. (Page 49)

<System Information>

Displays the version information of the software. You can update the software. (Page 43)

---

*1 "Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.

*2 Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/ DDX615WBT/DDX615WBTM.

*3 Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX315/ DDX315M.

*4 Only displays the APPs screen when **<AV Input>** is set to **[iPod]** (Page 18).

REMOTE CONTROLLER

Overview

DDX6015BT/DDX415BT/DDX415BTM/DDX315/DDX315M/DDX615WBT/DDX615WBTM:
　This unit can be operated using the Remote Controller (RC-DV340) supplied with this unit.
DDX4015BT:
　Optional Remote Controller KNA-RCDV331 is designed for controlling this unit. Refer to the instruction manual that comes with the remote controller.

⚠ Caution:

• Put the Remote Controller in a place where it will not move during braking or other operations. A dangerous situation could result if the Remote Controller falls down and gets wedged under the pedals while driving.
• Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
• Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
• Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.

❏ Battery installation

Use two "AAA"/"R03"-size batteries.
Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.
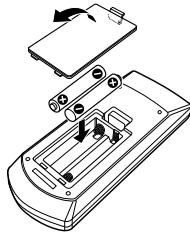
• If the Remote Controller operates only over shorter distances or does not operate at all, it is possible that the batteries are depleted. In such instances, replace both batteries with new ones.

❏ Remote Controller mode switch

The functions operated from the remote controller differ depending on the position of the mode switch.
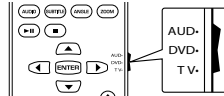
AUD mode: Switch to this mode when controlling a selected source or tuner source, etc.
DVD mode: Switch to this mode when playing DVDs or CDs etc. with the player integrated in this unit.
TV mode: Not used.

• The position of the remote control mode switch is indicated in the title of each mode, e.g., "AUD mode".
• When controlling a player that is not integrated in the unit, select "AUD" mode.

Operations from the remote controller

❏ Common operations (AUD mode)

SRC	• Selects the source. • Hangs up the incoming/current call.
▲/▼ VOL	Adjusts the volume level.
ATT	Attenuates/restores the sound.
DISP/V.SEL	Switches to the navigation screen.
ENTER	Enters options.
📞	Answers incoming calls.[1]
FNC/PBC/MENU	Switches the control screen.
MODE/TOP MENU	Changes the aspect ratio. • Aspect ratio changes each time you press this key.
OPEN	Adjusts the panel angle.[2] • The panel angle changes each time you press this key.

[1] Available for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX615WBT/DDX615WBTM only.
[2] Available for DDX6015BT/DDX615WBT/DDX615WBTM only.

❏ **DVD/VCD (DVD mode)**

▲/▼/◄/►	Moves the cursor when displaying a menu.
I◄◄/►►I	Selects a track.
►/II	Starts/pauses playback.
■	Stops and memorizes the point where the disc stops.
0 – 9	• Specifies the number to search for in direct search. • 1 2ABC : Fast forwards/backwards. – Fast forward/backward speed changes each time you press this key. • 1 2ABC : Slow forwards/backwards during pause.
MODE/ TOP MENU	Shows the disc top menu.
FNC/PBC/ MENU	Shows the disc menu.
SUBTITLE	Changes the subtitle language.
ZOOM	Changes the zoom ratio. • Zoom ratio changes each time you press this key.
ANGLE	Changes the picture angle. • Picture angle changes each time you press this key.
AUDIO	Changes the voice language. • Voice language changes each time you press this key.
DIRECT	Enters direct search mode. (See the far right column.)
CLEAR	Deletes a character while in direct search mode.

❏ **Music Disc/Audio file/Video file/Picture file (AUD mode)**

AM –/FM +	Selects a folder.
I◄◄/►►I	Selects a track/file.
►/II	Starts/pauses playback.
0 – 9	Specifies the number to search for in direct search.
DIRECT	Enters direct search mode. (See the right column.)

❏ **Radio (AUD mode)**

AM –/FM +	Selects the band.
I◄◄/►►I	Searches for stations.
►/II	Changes the seek mode (AUTO1, AUTO2, MANU).
0 – 9	• Specifies preset number. (1 – 6MNO) • Specifies the frequency of the station to receive to search for in direct search.
DIRECT	Enters direct search mode. (See the right column.)

❏ **iPod (AUD mode)**

I◄◄/►►I	Selects music/videos.
►/II	Starts/pauses playback.

❏ **USB (AUD mode)**

AM –/FM +	Selects a folder.
I◄◄/►►I	Selects a file.
►/II	Starts/pauses playback.

Searching for an item (chapter/title/folder/file/track) directly
1 Press DIRECT to enter the search mode.
  Each time you press DIRECT, the item to search for changes.
2 Press a number button to select a desired item.
3 Press ENTER to confirm the selection.

Searching for a tuner frequency directly
1 Press DIRECT to enter the search mode.
2 Press number buttons to enter a frequency.
3 Press ENTER to confirm the entry.

Using the steering remote controller

You can assign the functions to the keys of the remote controller on the steering wheel.

- This function is available only when your vehicle is equipped with the electrical steering remote controller.
- You can only register/change the functions while you are parked.
- If your steering remote controller is not compatible, learning may not be completed and an error message may appear.

❏ Registering/Changing the functions

1 Display the **<System>** setting screen.
On the **<TOP MENU>** screen:

- Press [∨] repeatedly to change the page on the **<System>** menu screen.

2 Display the **<Steering Remote Control Setting>** screen.

3 Press a steering remote controller button to register/change.

4 Select a function to assign.

- You can change the page to display more items by pressing [∧]/[∨].

5 Repeat steps **3** and **4** as necessary.

6 Finish the procedure.

- The unit can register/change all of the button's functions at the same time. To do this, press each button in turn and after pressing all of them, press **[Done]** in the **<Steering Remote Control Setting>** screen. However, new functions cannot be learned after this operation.

- When changing the functions already learned, touch the button you want to change in step **3** and then touch to select the new function from the function list.
- Confirm the contents of the settable functions in the function list. You cannot edit the function list.

❏ Initializing the steering remote controller settings

1 Display the **<System>** setting screen. (See the far left column.)

2

3

- To cancel the initialization, press **[No]**.

CONNECTION/INSTALLATION

Before installing the unit

⚠ WARNING

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.

⚠ Precautions on installation and connection

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12 V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned on ("Miswiring DC Offset Error", "Warning DC Offset Error" is displayed), the speaker wire may have a short circuit or have touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.

- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- Only for DDX6015BT/DDX615WBT/DDX615WBTM: If the console has a lid, make sure to install the unit so that the monitor panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires are not touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.

⚠ CAUTION
Install this unit in the console of your vehicle.
Do not touch the metal part of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.

CONNECTION/INSTALLATION

❏ Supplied accessories for installation

① Wiring harness x 1
② Trim plate*[1] x 1
③ Extension wire (2 m) x 1
④ Flat head screws (M5 x 8 mm) x 6*[2]
⑤ Round head screws (M5 x 8 mm) x 6
⑥ Steering Remote cable x 1
⑦ Microphone (3 m)*[3] x 1

*[1] Only for DDX4015BT.
*[2] Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX315/
DDX315M.
*[3] Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/
DDX615WBT/DDX615WBTM.

❏ Installation procedure

1 To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
2 Make the proper input and output wire connections for each unit.
3 Connect the speaker wires of the wiring harness.
4 Connect the wiring harness wires in the following order: ground, battery, ignition.
5 Connect the wiring harness connector to the unit.
6 Install the unit in your car.
  • Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).
7 Reconnect the ⊖ battery.
8 Press the reset button.
9 Configure **<Initial Setup>**. (Page 4)

Installing the unit

❏ Installing the unit using the mounting bracket removed from the car

④* or ⑤

Car Bracket

④* or ⑤
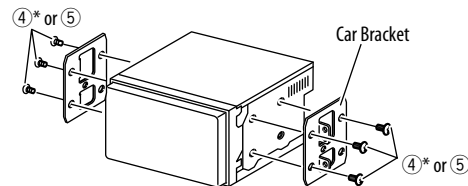
• Select the appropriate type of screw for the mounting bracket: flat head (④)* or round head (⑤).

* Supplied only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/
DDX315/DDX315M.

❏ Installing the trim plate (Only for DDX4015BT)

1 Attach the trim plate (②).

②

Connection

❏ **Connecting wires to terminals (for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX315/DDX315M)**

10 A fuse

⑥

Steering Remote

USB terminal (0.8 m): See page 54.

Input 1 — Connect to the vehicle's steering remote harness.
Input 2 — Contact your Kenwood dealer for details.
ST REMOTE GND

Connect the antenna cord to the antenna terminal.

Connect to the vehicle's reverse lamp harness when using the optional rear view camera.

See page 54.

③ — Connect to the vehicle's parking brake detection switch harness.
 • For best safety, be sure to connect the parking sensor.

See page 54.   See page 54.*1

REVERSE — Purple with white stripe (Reverse sensor wire)

PRK SW — Light green (Parking sensor wire)

*1 Only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM.
*2 If no connections are made, do not let the cable come out from the tab.

①

White ⊕ / White with black stripe ⊖ : To front speaker (left)
Gray ⊕ / Gray with black stripe ⊖ : To front speaker (right)
Green ⊕ / Green with black stripe ⊖ : To rear speaker (left)
Purple ⊕ / Purple with black stripe ⊖ : To rear speaker (right)

*2

ANT. CONT — Depending on what antenna you are using, connect either to the control terminal of the motor antenna, or to the power terminal for the booster amplifier of the film-type antenna. (Max. 300 mA, 12 V)

Blue (Antenna control wire)

P. CONT — When using the optional power amplifier, connect to its power control terminal.

Blue with white stripe (Power control wire)

MUTE — Not used.

Brown (Mute control wire)

REMOTE CONT
STEERING WHEEL REMOTE INPUT — To use the steering wheel remote control feature, an exclusive remote adapter (not supplied) matching your car is required.

Light blue with yellow stripe (Steering remote control wire)

ILLUMI — To car light control switch

Orange with white stripe (Dimmer control wire)

Red (Ignition wire)   (ACC)

Ignition key switch

Yellow (Battery wire)   (BATT)

Fuse box

To car chassis

Black (Ground wire)   (GND)

Battery

CONNECTION/INSTALLATION

❏ Connecting wires to terminals for Toyota Cars (for DDX615WBT/DDX615WBTM)

Connect to the vehicle's steering remote harness.
- Depending on the type of vehicle, it cannot be connected.

Connector C

Connect to the vehicle's reverse lamp harness when using the optional rear view camera.

Connect to the vehicle's parking brake detection switch harness.
- For best safety, be sure to connect the parking sensor.

10 A fuse

⑥

Steering Remote

See page 54.

USB terminal (0.8 m): See page 54.

Connect the antenna cord to the antenna terminal.

See page 54.

③

See page 54.

①

REVERSE   Purple with white stripe (Reverse sensor wire)

PRK SW   Light green (Parking sensor wire)

Blue with white stripe (Power control wire)

*

P. CONT

When using the optional power amplifier, connect to its power control terminal.

Brown (Mute control wire)

MUTE   Not used.

Connector B

Connect to vehicle's harness.

Connect to vehicle's harness.

Connector A

* If no connections are made, do not let the cable come out from the tab.

Pin	Color and functions of Connector A, B, and C	
A1	Orange/White	Dimmer
A2	Yellow	Battery
A4	Red	Ignition (ACC)
A5	Blue	Antenna control
A6	Black	Ground connection
A8/A7	White ⊕ / White/Black ⊖	Left speaker (front)
A10/A9	Gray ⊕ / Gray/Black ⊖	Right speaker (front)
B2/B1	Green ⊕ / Green/Black ⊖	Left speaker (rear)
B6/B5	Purple ⊕ / Purple/Black ⊖	Right speaker (rear)
C6	Gray/Red	Ground
C7	Light green/Red	Input 1
C8	Purple/Red	Input 2

CONNECTION/INSTALLATION

❏ Connecting a USB device/iPod/iPhone

iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5
(commercially available)

iPod/iPhone except for iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5
(commercially available)

KCA-iP103 (optional accessory)

0.8 m

USB device*
(commercially available)

KCA-iP102 (optional accessory)

0.8 m

0.8 m

KCA-iP202 (optional accessory)

1.8 m

FUSE 10A

NAV

MIC   iPod/AV-IN2

R-CAM   R   REAR

SW   FRONT   L
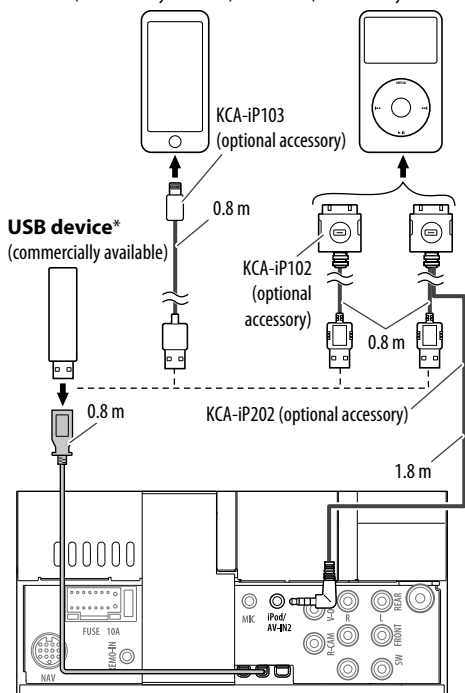
* Use CA-U1EX for extending the cable if necessary. (Max 500 mA, 5V)

❏ Connecting external components

MIC   iPod/AV-IN2   V-OUT   REAR

FUSE 10A

NAV   REMO-IN

R-CAM   FRONT

SW

AV IN1

⑥   ⑦   ⑧
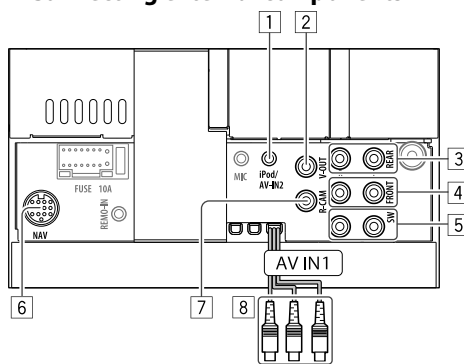
1 iPod/Audio Video input (AV-IN2)*[1]
2 Video output (Yellow)
3 Rear preout*[2]
   • Audio left output (White)
   • Audio right output (Red)
4 Front preout*[2]
   • Audio left output (White)
   • Audio right output (Red)
5 Subwoofer preout (monaural output)*[2]
   • Subwoofer left output (White)
   • Subwoofer right output (Red)
6 NAVI I/F input
7 Rear view camera input (Yellow)
8 Audio Video input (AV-IN1)*[1]
   • Visual input (Yellow)
   • Audio left input (White)
   • Audio right input (Red)

*[1] When connecting the component to play on **"AV-IN1"/"AV-IN2"**, use the Audio and Video cable CA-C3AV (optional accessory).
*[2] When connecting the external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

❏ Connecting microphone for Bluetooth (only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX615WBT/DDX615WBTM)

Connect the microphone (⑦) to the MIC terminal.
• To install the microphone, peel off the adhesive tape, fix on the installation position, then adjust the direction of the microphone to face the driver. After installing, fix the microphone cable to the car with clamps (commercially available).

⑦

FUSE 10A

MIC   iPod/AV-IN2   V-OUT   REAR

R-CAM   FRONT

SW

54
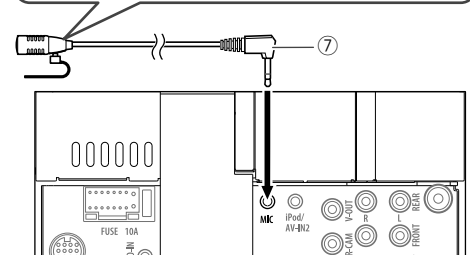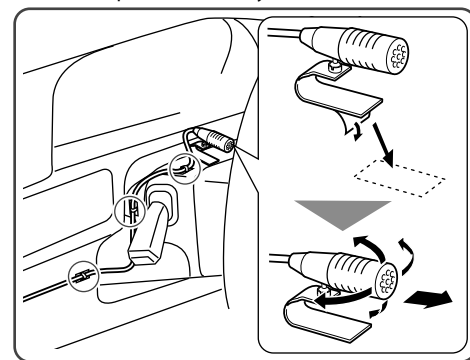
REFERENCES

Maintenance

❏ Caution on cleaning the unit

Do not use any solvent (for example, thinner, benzine, etc.), detergent, or insecticide. This may damage the monitor or the unit.

Recommended cleaning method:
Gently wipe the panel with a soft, dry cloth.

❏ Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:
• After starting the heater in the car.
• If it becomes very humid inside the car.
Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

❏ How to handle discs

• When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

– Always hold the disc by the edges. Do not touch its recording surface.
• When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).
– Make sure to store discs in their cases after use.

❏ To keep discs clean

Dirty discs may not play correctly.
If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

• Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

❏ To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

• To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

More information

❏ File playback

Playing DivX files
• This unit can play back DivX files with the extension code <.divx>, <.div>, or <.avi> (regardless of the letter case—upper/lower).
• Audio stream should conform to MP3 or Dolby Digital.
• Files encoded in the interlaced scanning mode may not be played back correctly.
• The maximum bit rate for video signals (average) is 4 Mbps.

Playing MPEG1/MPEG2 files
• This unit can play back MPEG1/MPEG2 files with the extension code <.mpg>, <.mpeg>, or <.mod>.
• The stream format should conform to MPEG system/program stream.
The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
• Audio streams should conform to MPEG1 Audio Layer-2 or Dolby Digital.

Playing JPEG files
• This unit can play back JPEG files with the extension code <.jpg> or <.jpeg>.
• This unit can play back JPEG files that are at 32 x 32 to 8 192 x 7 680 resolution.
It may take time to display the file depending on its resolution.
• This unit can play back baseline JPEG files. Progressive JPEG files or lossless JPEG files cannot be played.

REFERENCES

Playing MP3/WMA/WAV/AAC-LC files

- This unit can play back files with the extension code <.mp3>, <.wma>, <.wav> or <.m4a> (regardless of the letter case—upper/lower).
- This unit can play back files that meet the conditions below:
  - Bit rate:
    MP3: 8 kbps – 320 kbps
    WMA: 5 kbps – 320 kbps
    AAC: 16 kbps – 320 kbps
  - Sampling frequency:
    8 kHz – 48 kHz (for MP3/WMA)
    44.1 kHz (for WAV)
    32 kHz – 48 kHz (for AAC)
- This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- This unit can also show WAV/WMA/AAC Tag.
- This unit can play back files recorded in VBR (variable bit rate).
- Files recorded in VBR have a discrepancy in elapsed time indication.
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded with Layer 1/2.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA/AAC files copy-protected with DRM.
  - AAC files encoded using any other application than iTunes.
  - AAC files copy-protected with FairPlay (except those stored on an iPod).
  - Files which have the data such as AIFF, ATRAC3, etc.

- This unit can display jacket pictures that meet the conditions below:
  - Picture size: 32 x 32 to 1 232 x 672 resolution
  - Data size: less than 650 KB.
  - File type: JPEG

❏ Disc playback

Playable disc types

Disc type	Recording format, file type, etc.
DVD • DTS sound cannot be reproduced or emitted from this unit.	DVD Video*¹
DVD Recordable/Rewritable (DVD-R/-RW*², +R/+RW*³) • DVD Video: UDF bridge • DivX/MPEG1/MPEG2/JPEG/MP3/WMA/WAV/AAC: ISO 9660 level 1, level 2, Romeo, Joliet	• DVD Video • DivX/MPEG1/MPEG2 • JPEG • MP3/WMA/WAV/AAC
Dual Disc	DVD side
CD/VCD	• VCD (Video CD) • Audio CD/CD Text (CD-DA)
CD Recordable/Rewritable (CD-R/-RW) • ISO 9660 level 1, level 2, Romeo, Joliet	• VCD (Video CD) • CD-DA • MPEG1/MPEG2 • JPEG • MP3/WMA/WAV/AAC

*¹ DVD Region code:
For DDX6015BT/DDX415BT/DDX315/DDX615WBT: 3
For DDX415BTM/DDX315M/DDX615WBTM: 2
For DDX4015BT: 4
If you insert a DVD Video disc of an incorrect Region Code, "Region Code Error" appears on the screen.

*² DVD-R recorded in multi-border format is also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

*³ It is possible to play back finalized +R/+RW (Video format only) discs. "DVD" is selected as the disc type when a +R/+RW disc is loaded. +RW double layer discs are not playable.

Unplayable discs

- Unplayable disc types and formats are as follows:
  - DVD-Audio/DVD-ROM discs
  - MPEG4/DVD-VR/DVD+VR/DVD-RAM recorded in the DVD-R/RW or +R/+RW
  - DTS-CD, SVCD (Super Video CD), CD-ROM, CD-I (CD-I Ready)
  - DivX/MPEG4 recorded in the CD-R/RW
- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/Rewritable discs that have not been finalized.
- 8 cm discs. Attempting to insert using an adapter may cause malfunction.

DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product cannot be recommended.

REFERENCES

Playing Recordable/Rewritable discs
- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Use only "finalized" discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some discs or files may not be played back due to their characteristics or recording conditions.

❏ About data stored in the connected USB device/iPod/iPhone
- We bear no responsibility for any loss of data in an iPod/iPhone and USB mass storage class device while using this unit.

❏ USB playback
Playable files on a USB device
- This unit can play JPEG/DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC files stored in a USB mass storage class device.
- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Make sure all important data has been backed up to avoid losing the data.

Notes on using a USB device:
- This unit may not play back files in a USB device properly when using a USB extension cable.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.

- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit may not recognize a memory card inserted into the USB card reader.
- When connecting with a USB cable, use the USB 2.0 cable.
- The maximum number of characters (when the characters are 1 byte):
  – Folder names: 50 characters
  – File names: 50 characters
- Avoid using the USB device if it might affect driving safety.
- Do not pull out and connect the USB device repeatedly while "Reading" is shown on the screen.
- Electrostatic shock when connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Operation and power supply may not work as intended for some USB devices.
- Do not leave a USB device in the car, or expose to direct sunlight or high temperatures to avoid deformation or damage to the device.

❏ Notes on playing iPod/iPhone
- iPod/iPhone that can be connected to this unit: Made for
  – iPod with video
  – iPod classic
  – iPod nano (7th Generation)*
  – iPod nano (6th Generation)
  – iPod nano (5th Generation)
  – iPod nano (4th Generation)
  – iPod nano (3rd Generation)
  – iPod touch (5th Generation)*
  – iPod touch (4th Generation)
  – iPod touch (3rd Generation)
  – iPod touch (2nd Generation)
  – iPod touch (1st Generation)
  – iPhone 5S*
  – iPhone 5C*
  – iPhone 5*
  – iPhone 4S
  – iPhone 4
  – iPhone 3GS
  – iPhone 3G
  – iPhone

* You cannot watch video when connecting iPod nano (7th Generation)/iPod touch (5th Generation)/iPhone 5S/iPhone 5C/iPhone 5.

- When operating iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following KENWOOD web site: <www.kenwood.com/cs/ce/ipod>
- For some iPod/iPhone models, the performance may be abnormal or unstable during operation. In this case, disconnect the iPod/iPhone device, then check its condition.
  If the performance is not improved or slow, reset your iPod/iPhone.
- When you turn on this unit, the iPod/iPhone is charged through the unit.
- The text information may not be displayed correctly.

REFERENCES

❏ Language codes (for DVD language selection)

Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	GL	Galician	MI	Maori	SO	Somali
AB	Abkhazian	GN	Guarani	MK	Macedonian	SQ	Albanian
AF	Afrikaans	GU	Gujarati	ML	Malayalam	SR	Serbian
AM	Ameharic	HA	Hausa	MN	Mongolian	SS	Siswati
AR	Arabic	HI	Hindi	MO	Moldavian	ST	Sesotho
AS	Assamese	HR	Croatian	MR	Marathi	SU	Sundanese
AY	Aymara	HU	Hungarian	MS	Malay (MAY)	SW	Swahili
AZ	Azerbaijani	HY	Armenian	MT	Maltese	TA	Tamil
BA	Bashkir	IA	Interlingua	MY	Burmese	TE	Telugu
BE	Byelorussian	IE	Interlingue	NA	Nauru	TG	Tajik
BG	Bulgarian	IK	Inupiak	NE	Nepali	TH	Thai
BH	Bihari	IN	Indonesian	NO	Norwegian	TI	Tigrinya
BI	Bislama	IS	Icelandic	OC	Occitan	TK	Turkmen
BN	Bengali, Bangla	IW	Hebrew	OM	(Afan) Oromo	TL	Tagalog
BO	Tibetan	JA	Japanese	OR	Oriya	TN	Setswana
BR	Breton	JI	Yiddish	PA	Panjabi	TO	Tonga
CA	Catalan	JW	Javanese	PL	Polish	TR	Turkish
CO	Corsican	KA	Georgian	PS	Pashto, Pushto	TS	Tsonga
CS	Czech	KK	Kazakh	QU	Quechua	TT	Tatar
CY	Welsh	KL	Greenlandic	RM	Rhaeto-Romance	TW	Twi
DZ	Bhutani	KM	Cambodian	RN	Kirundi	UK	Ukrainian
EL	Greek	KN	Kannada	RO	Rumanian	UR	Urdu
EO	Esperanto	KO	Korean (KOR)	RW	Kinyarwanda	UZ	Uzbek
ET	Estonian	KS	Kashmiri	SA	Sanskrit	VI	Vietnamese
EU	Basque	KU	Kurdish	SD	Sindhi	VO	Volapuk
FA	Persian	KY	Kirghiz	SG	Sangho	WO	Wolof
FI	Finnish	LA	Latin	SH	Serbo-Croatian	XH	Xhosa
FJ	Fiji	LN	Lingala	SI	Singhalese	YO	Yoruba
FO	Faroese	LO	Laothian	SK	Slovak	ZU	Zulu
FY	Frisian	LT	Lithuanian	SL	Slovenian		
GA	Irish	LV	Latvian, Lettish	SM	Samoan		
GD	Scots Gaelic	MG	Malagasy	SN	Shona		

Error message list

If an error occurs while using the unit, a message appears. Take appropriate action according to the following message/remedy/cause list.

"No Signal":
- Start the playback on the external component connected to the Audio Video or iPod/Audio Video input terminal.
- Check the cords and connections.
- Signal input is too weak.

"Miswiring DC Offset Error"/"Warning DC Offset Error":
- A speaker cord has shorted or it has come into contact with the car chassis. Wire or insulate the speaker cord as appropriate, then reset the unit. (Pages 3 and 52)

"Parking Off":
- No playback picture is shown when the parking brake is not engaged.

"Authorization Error":
- Check whether the connected iPod/iPhone is compatible with this unit. (Page 57)

"USB Device Error":
- The USB power voltage is abnormal.
- Turn off and turn on the unit.
- Connect another USB device.

"Panel Mecha Error":
- The panel does not work properly. Reset the unit.

"No Navigation":
- No navigation unit is connected.

REFERENCES

"Connection Error":
• The device is registered but the connection has failed. Connect the registered device. (Page 32)

"Please Wait...":
• The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

"No Voice Device":
• The connected mobile phone does not have a voice recognition system.

"No Data":
• No phone book data is contained in the connected Bluetooth phone.

"Initialize Error":
• The unit has failed to initialize the Bluetooth module. Try the operation again.

"Dial Error":
• Dialing has failed. Try the operation again.

"Hung Up Error":
• The call has not ended yet. Park your car, and use the connected mobile phone to end the call.

"Pick Up Error":
• The unit has failed to receive a call.

"Please update Pandora App":
• The Pandora application on your iPod touch/iPhone/Android/BlackBerry is not the latest version. Update the application.

"Check App":
• The Pandora application on your iPod touch/iPhone/Android/BlackBerry is not started up.
• The Pandora application is not installed in the connected device.
• An error has occurred in the Pandora application.

"Login Error":
• You have not been signed into Pandora.

"No skips remaining":
• No more songs can be skipped.

"Failed to save your thumb rating":
• Thumb-up/down is prohibited.

"No Station":
• No station is available.

"No Active Station":
• No station is being played.

"Station limit reached":
• The Station List is full and no more stations can be registered.

"Failed to save your bookmark":
• The unit has failed to save a bookmark. Try the operation again.

"Limited Connectivity":
• The connection with the Pandora application cannot be established.

"Pandora not available":
• You cannot use the Pandora application from the area where you are currently trying to access Pandora.

"Try again later":
• The Pandora server is under maintenance.

"Station does not exist":
• The selected station has been deleted by another device or has expired.

"Cannot create a Station":
• You cannot create a station during the read-only mode or when network connection is not established.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.
• For operations with the external components, refer also to the instructions supplied with the adapters used for the connections (as well as the instructions supplied with the external components).

❏ General

No sound comes out of the speakers.
• Adjust the volume to the optimum level.
• Check the cords and connections.

No picture is displayed on the screen.
• Turn on the screen. (Page 9)

The unit does not work at all.
• Reset the unit. (Page 3)

The remote controller* does not work.
• Replace the battery.

* For DDX4015BT: Purchase KNA-RCDV331 separately.

The desired source button ([AV-IN2] or [APPs]) cannot be selected on the <TOP MENU> screen.
• Select an appropriate setting for **<AV Input>**. (Page 18)

REFERENCES

❏ Discs in general

Recordable/Rewritable discs cannot be played back.
- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

Tracks on the Recordable/Rewritable discs cannot be skipped.
- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

Playback does not start.
- The file format is not supported by the unit.

No picture appears on the external monitor.
- Connect the video cord correctly.
- Select the correct input on the external monitor.

❏ DivX/MPEG1/MPEG2/JPEG/MP3/WMA/ WAV/AAC

Discs cannot be played back.
- Record the tracks using a compliant application on the appropriate discs. (Page 56)
- Add appropriate extension codes to the file names.

Tracks are not played back as you have intended them to play.
- Playback order may differ from the one played back using other players.

❏ USB

"Reading" does not disappear from the screen.
- Turn the power off and on again.

While playing a track, sound is sometimes interrupted.
- The tracks are not properly copied onto the USB device. Copy the tracks again, and try again.

❏ iPod/iPhone

No sound comes out of the speakers.
- Disconnect the iPod/iPhone, then connect it again.
- Select another source, then reselect **"iPod"**.

The iPod/iPhone does not turn on or does not work.
- Check the connecting cable and its connection.
- Update the firmware version.
- Charge the battery.
- Reset the iPod/iPhone.

Sound is distorted.
- Deactivate the equalizer either on this unit or the iPod/iPhone.

A lot of noise is generated.
- Turn off (uncheck) "VoiceOver" of the iPod/iPhone. For details, visit <http://www.apple.com>.

No operations are available when playing back a track containing Artwork.
- Operate the unit after the Artwork has loaded.

Sound does not synchronize with the video.
- Select **[iPod]** for **<AV Input>**. (Page 18)

Videos cannot be played.
- Connect with USB Audio and Video cable KCA-iP202. Other cables cannot be used.
- Select **[iPod]** for **<AV Input>**. (Page 18)

Videos have no sound.
- Connect with USB Audio and Video cable KCA-iP202. Other cables cannot be used.
- Select **[iPod]** for **<AV Input>**. (Page 18)

REFERENCES

❏ Tuner

AME automatic presetting does not work.
• Store stations manually. (Page 24)

Static noise while listening to the radio.
• Connect the antenna firmly.

❏ AV-IN1/AV-IN2

No picture appears on the screen.
• Turn on the video component if it is not on.
• Connect the video component correctly.
• When **"AV-IN2"** is selected as the source, set **<AV Input>** to **[AV-IN2]**.

❏ Pandora (only for DDX4015BT)

The Pandora application does not work.
• The Pandora application on your iPod touch/iPhone/Android/BlackBerry is not the latest version. Update the application.

❏ Bluetooth (only for DDX6015BT/DDX4015BT/DDX415BT/DDX415BTM/DDX615WBT/DDX615WBTM)

Phone sound quality is poor.
• Reduce the distance between the unit and the Bluetooth mobile phone.
• Move the car to a place where you can get a better signal reception.

The sound is interrupted or skipped while using a Bluetooth audio player.
• Reduce the distance between the unit and the Bluetooth audio player.
• Disconnect the device connected for Bluetooth phone.
• Turn off, then turn on the unit.
• (If the sound is not yet restored) connect the player again.

The connected audio player cannot be controlled.
• Check whether the connected audio player supports AVRCP (Audio Video Remote Control Profile).

Bluetooth device does not detect the unit.
• Search from the Bluetooth device again.

The unit does not pair with the Bluetooth device.
• For devices compatible with Bluetooth 2.1: Register the device using a PIN code. (Page 31)
• For devices compatible with Bluetooth 2.0: Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated in its instructions, try "0000" or "1234".

Echo or noise occurs.
• Adjust the microphone unit position.
• Adjust the echo volume and the noise reduction volume. (Page 33)

The unit does not respond when you try to copy the phone book to the unit.
• You may have tried to copy the same entries (as stored) to the unit.

REFERENCES

Specifications

❑ Monitor section

Picture Size (W x H)

DDX6015BT/DDX615WBT/DDX615WBTM:

        6.95 inches (diagonal) wide

        156.6 mm × 81.6 mm

DDX4015BT/DDX415BT/DDX415BTM/
DDX315/DDX315M:

        6.2 inches (diagonal) wide

        137.5 mm × 77.2 mm

Display System	Transparent TN LCD panel
Drive System	TFT active matrix system
Number of Pixels	1 152 000 (800H × 480V × RGB)
Effective Pixels	99.99%

Pixel Arrangement

        RGB striped arrangement

Back Lighting	LED

❑ DVD player section

D/A Converter	24 bit
Audio Decoder	Linear PCM/Dolby Digital/MP3/ WMA/AAC/WAV
Video Decoder	MPEG1/MPEG2/DivX
Wow & Flutter	Below Measurable Limit

Frequency Response

  96 kHz Sampling: 20 Hz – 22 000 Hz

  48 kHz Sampling: 20 Hz – 22 000 Hz

  44.1 kHz Sampling: 20 Hz – 20 000 Hz

Total Harmonic Distortion

        0.010% (1 kHz)

Signal to Noise Ratio

        99 dB (DVD-Video 96 kHz)

Dynamic Range	99 dB (DVD-Video 96 kHz)
Disc Format	DVD-Video/VIDEO-CD/CD-DA

Sampling Frequency

        44.1 kHz/48 kHz/96 kHz

Quantifying Bit Number

        16/20/24 bit

❑ USB interface section

USB Standard	USB 2.0 Full Speed
File System	FAT 16/32

Maximum Power Supply Current

        DC 5 V ⎓ 1 A

D/A Converter	24 bit
Audio Decoder	MP3/WMA/AAC/WAV
Video Decoder	MPEG1/MPEG2/DivX

❑ Bluetooth section (only for DDX6015BT/DDX4015BT/DDX415BT/ DDX415BTM/DDX615WBT/ DDX615WBTM)

Technology	Bluetooth 2.1 + EDR
Frequency	2.402 GHz – 2.480 GHz
Output Power	+4 dBm (MAX), 0 dBm (AVE), Power Class 2

Maximum Communication Range

        Line of sight approx. 10 m

Audio Codec	SBC
Profile	HFP (V1.5) (Hands Free Profile)
	SPP (Serial Port Profile)
	SDP (Service Discovery Profile)
	A2DP (Advanced Audio Distribution Profile)
	AVRCP (Audio/Video Remote Control Profile)
	OPP (Object Push Profile)
	PBAP (Phonebook Access Profile)
	GAP (Generic Access Profile)

REFERENCES

❏ FM tuner section

Frequency Range (50 kHz)
  87.5 MHz to 108.0 MHz

Usable Sensitivity (S/N: 26 dB)
  6.2 dBf (0.56 μV/75 Ω)

Quieting Sensitivity (S/N: 46 dB)
  15.2 dBf (1.58 μV/75 Ω)

Frequency Response (± 3.0 dB)
  30 Hz – 15 kHz

Signal to Noise Ratio
  68 dB (MONO)

Selectivity (± 400 kHz)
  ≥ 80 dB

Stereo Separation 40 dB (1 kHz)

❏ AM tuner section

Frequency Range (9 kHz)
  531 kHz to 1 611 kHz

Usable Sensitivity 28.5 dBμ

❏ Video section

Color System of External Video Input
  NTSC/PAL

External Video Input Level (RCA/mini jack)
  1 Vp-p/75 Ω

External Audio Max Input Level (RCA/mini jack)
  2 V/25 kΩ

Video Input Level (RCA jack)
  1 Vp-p/75 Ω

Video Output Level (RCA jack)
  1 Vp-p/75 Ω

Analog RGB input 0.7 Vp-p/75 Ω

❏ Audio section

Maximum Power (Front & Rear)
  50 W × 4

Full Bandwidth Power (Front & Rear)
(at less than 1% THD)
  22 W × 4

Preout Level 4 V/10 kΩ

Preout Impedance ≤ 600 Ω

Speaker Impedance 4 Ω – 8 Ω

Graphic Equalizer
  BAND   5 Band
  Frequency (Hz) (BAND1-5)
            80/200/800/4k/12.5k
  Gain   -8/-7/-6/-5/-4/-3/-2/-1/
            0/1/2/3/4/5/6/7/8 [dB]

2Way X'Over
  HIGH PASS FILTER frequency
            Through/63/100/120/150/
            180 [Hz]
  LOW PASS FILTER frequency
            55/85/120/160/Through [Hz]

Subwoofer Level −50 dB to +10 dB

❏ General

Operating Voltage
  14.4 V (10.5 V – 16 V allowable)

Maximum Current Consumption
  10 A

Installation Dimensions (W × H × D)
  178 mm × 100 mm × 162 mm

Operational Temperature Range
  −10°C – +60°C

Weight
  DDX6015BT: 2.3 kg
  DDX4015BT/DDX415BT/DDX415BTM/
  DDX315/DDX315M:
            1.7 kg
  DDX615WBT/DDX615WBTM:
            2.4 kg

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REFERENCES

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