

clarion®

Owner's manual

NX603
FX503

DVD MULTIMEDIA STATION WITH BUILT-IN NAVIGATION & 6.2-INCH TOUCH PANEL CONTROL
MULTIMEDIA STATION & 6.2-INCH TOUCH PANEL CONTROL

CLARION PRODUCT REGISTRATION INFORMATION

For USA and Canada only
www.clarion.com

Dear Customer:

Congratulations on your purchase of a Clarion mobile electronic product. We are confident that you'll enjoy your Clarion experience.

There are many benefits to registering your product. We invite you to visit our website at www.clarion.com to register your Clarion product.

We have made product registration simple with our easy to use website. The registration form is short and easy to complete. Once you're registered, we can keep you informed of important product information.

Register at www.clarion.com - it's easy to keep your Clarion product up to date.

INFORMATIONS DE L'ENREGISTREMENT DE PRODUITS CLARION

Pour les États Unis et le Canada seulement
www.clarion.com

Cher client:

Nous vous remercions d'avoir acheté ce produit électronique mobile Clarion. Nous sommes confiants que vous apprécierez votre expérience Clarion.

Il y a beaucoup d'avantage à enregistrer votre produits. Nous vous invitons à visiter notre site Web www.clarion.com pour enregistrer votre produit Clarion.

Nous avons facilité la tâche d'enregistrement de produit simple et facile grâce à notre site Web. Le formulaire d'enregistrement est court et facile à compléter. Lorsque vous êtes enregistré, nous pouvons vous tenir informé des informations important de produits.

Enregistrer à www.clarion.com - c'est facile de mettre à jour votre produit Clarion.

INFORMACIÓN DEL REGISTRO DE PRODUCTO DE CLARION

Para USA y Canada nomas
www.clarion.com

Querido Cliente:

Felicitaciones por su compra de producto electrónico móvil de Clarion. Estamos seguros que usted gozará de su experiencia con el producto de Clarion.

Hay muchas ventajas al registrar su producto. Le invitamos a que visite nuestro sitio en internet www.clarion.com para registrar su producto de Clarion.

Hemos hecho el registro de producto fácil en nuestro sitio. La forma de registro es corta y fácil de completar. Una vez que lo registre, podremos proporcionarle la información de su producto.

Regístrese en www.clarion.com - es fácil mantener su producto de Clarion actualizado.

Thank you for purchasing the Clarion NX603 or FX503.

- Please read this owner's manual thoroughly before operating this equipment.
- After reading this manual, be sure to keep it on hand for future reference.
- Check the contents of the enclosed warranty card and keep it carefully with this manual.
- The provided disc (CD-ROM manual) cannot be played back on this unit.

In particular, read the descriptions in "To Ensure Safe Use." This describes cautions to ensure safe use of the unit without inflicting harm or damage on yourself or others. → P3

- The content of this manual may differ in part with that of the actual product due to modifications, etc. to the specifications.
- The content of this manual may be changed in part without notice.

When transferring or reselling the unit or disposing of it, delete (initialize) all data saved on it to protect your personal information and copyright protection.

■ Meanings of Symbols Used in This Manual

WARNING

This indicates the possibility that failure to follow this instruction might lead to death or serious injury.

CAUTION

This explains things that may cause injury if instructions are not followed.

Attention

Though this does not fall under the category of "WARNING" or "CAUTION", this indicates that there is the danger of money or time being lost.

Preparations

This explains what must be done beforehand to operate the product.

Notice

This explains limitations related to operations.

MEMO

This explains supplementary information for mastering use of the unit.

■ **Hard buttons and touch keys**

In operation descriptions in this manual, hard buttons on the main unit are indicated by dotted frames as the example shown below.

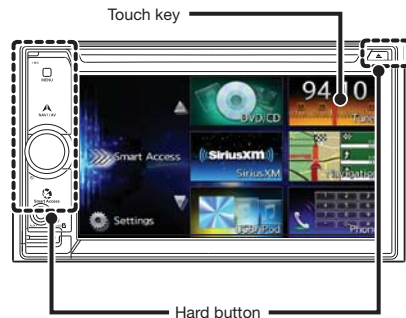
Example: **MENU**

The unit uses a touch panel system that you can operate simply by touching the screen with your fingertip.

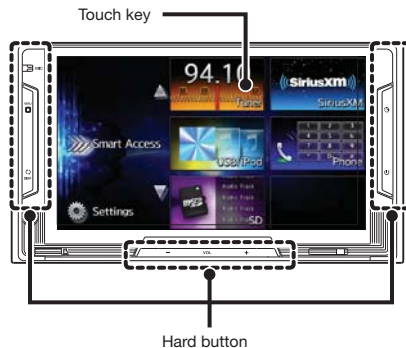
In this manual, operations performed by touching keys on screen are indicated by the grayed out keys as the example shown below.

Example: **Tuner**

NX603



FX503



Contents

To Ensure Safe Use	3
Symbols relating to safety	3
WARNING.....	3
CAUTION	4
Request and Notice	4
Before Starting Operations	5
Features available on the unit	5
Expanding Systems	5
PRECAUTIONS	6
Operation Panel/Generalities	6
Names and functions of parts	7
Basic method of use	9
Turning the power on	9
How to use menus	9
Using the shortcut menu	9
How to enter text	9
Operating lists	9
Moving between pages in a list	9
Using the index to select a list	9
Adjusting numerical values	10
Inserting and removing discs (NX603 only)	10
How to insert discs.....	10
How to remove discs.....	10
Inserting and removing the microSD card (NX603)	10
How to insert the microSD card	10
How to remove the microSD card	10
Inserting and removing the microSD card (FX503).....	10
How to insert the microSD card	10
How to remove the microSD card	10
Adjusting the audio volume	11
Switching the display screen (NX603 only)	11
Switching to the audio screen	11
Switching to the map screen	11
Displaying the AV control bar (NX603 only)	11
Turning off the screen.....	11
Listening to the radio	11
Receiving radio broadcasts	11
Switching between AM and FM radio.....	11
Automatically selecting a station	11
Manually selecting the station	12
Selecting stations from the list.....	12
Using the radio preset channel list	12
What is a "preset channel"?	12
Using reception bands	12
Automatically registering to lists (auto store)	12
Manually registering to lists	12
Listening to SiriusXM Satellite Radio	12
Displaying the SiriusXM Radio ID.....	12
Receiving SiriusXM Satellite Radio ...	13
Selecting channels	13
Selecting channels from preset channels	13
Selecting from the category list	13
Selecting channels from channel lists.....	13
Entering a channel number to select it ...	13
Registering preset channels	13
Using Parental Control	14
Locking a channel	14
Changing passwords.....	14
SiriusXM Satellite Radio Advisory Messages	14
Viewing DVDs (NX603 only)	15
Playing DVDs	15
Stopping play	15
Pausing.....	15
Playing the previous or next chapter	15
Rewinding/fast forwarding	15
Slow play	15
Repeat play	15



Playing from menus	16	Connectible iPods	22	Registering the tune being played to a bookmark list	28	Replacing the battery	35
Entering a title or chapter number to play a title or chapter	16	Playing iPods	23	Editing stations	28	How to use the remote control	35
Setting DVDs	16	Listening to iPods	23	Making stations	28	Names and functions of remote control parts	35
Switching the audio language/subtitle language/angle	16	Watching iPod video	23	Deleting stations	29	Using the rear camera	36
Adjusting image quality	16	Rewinding/fast forwarding	23	Registering Bluetooth-compatible devices	29	Image in the rear camera	36
Switching the screen size	16	Playing the previous/next track/chapter... ..	23	What is "Bluetooth"?	29	Displaying the image in the rear camera.....	36
Setting the monitor size	17	Repeat/shuffle play	23	Registering cellphones (pairing)	29	Adjusting the image quality of the rear camera.....	37
Setting priority language	17	Playing under specified conditions	24	Switching the connected cellphone	30	Displaying guidelines	37
Setting the parental level	18	Setting iPod (video only)	24	Deleting registered cellphones	30	Adjusting the guidelines.....	37
Setting the country code	18	Adjusting the image quality of iPod video	24	Using cellphones.....	30	Displaying the quasi bumper line	38
Listening to music on CDs or discs (MP3/WMA) (NX603 only)	18	Switching the iPod connection method	24	Screen during a telephone call	30	Adjusting the quasi bumper line	38
Playing discs	18	Listening to Bluetooth audio	25	Entering a number to make a call	31	Using the rear seat monitor	38
Playing CDs	19	To listen to Bluetooth audio	25	Making calls from the outgoing/incoming calls log	31	Video images displayable on the rear seat monitor	38
Playing MP3/WMA discs	19	Playing Bluetooth audio.....	25	Deleting the incoming/outgoing calls log	31	Various settings	38
Rewinding/fast forwarding	19	Playing Bluetooth Audio	25	Registering a phonebook	31	Making general settings for the unit.....	38
Playing the previous/next track	19	Rewinding/fast forwarding	25	Making calls from the phonebook	32	Setting the Shortcut Menu	39
Playing the previous/next folder (only when playing MP3/WMA)	19	Playing the previous/next track	25	Deleting phonebook data	32	Setting the illumination display color on the control panel (NX603 only)	39
Playing from the folder list/track list	19	Playing from the track list	25	Receiving telephone calls	32	This sets the desired illumination color.	39
Repeat/shuffle play	19	Playing under specified conditions	25	Setting the call volume	32	Setting the password for antitheft activation.....	39
Scan play	19	Repeat/shuffle play	26	Using Smart Access	33	Making Bluetooth settings.....	40
Viewing DivX content (NX603 only)	20	Viewing connected external devices (AUX)	26	What is Smartphone linking?	33	Renaming devices and changing the PIN	40
Viewing DivX content	20	Connecting external devices.....	26	Linking-compatible applications	33	Setting sound quality	40
Playing DivX content	20	Listening to video from external devices.....	27	Procedure up to Smartphone linking	33	Adjusting speaker volume balance and vocal volume balance.....	40
Listening to microSD card/USB memory files	20	Watching video from external devices	27	Starting up applications.....	33	Selecting and setting sound quality effects memory	40
Playing microSD card/USB memory	20	Setting external device listening	27	For iPhone	33	Setting preferred sound quality effects	40
Playing microSD card or USB memory	20	Compensating for volume differences	27	For Android smartphones	34	Adjust the Volume Smoother	41
Rewinding/fast forwarding	21	Switching the screen size	27	Correcting the touch position on screen (Android smartphones only).....	34	Setting screens	41
Playing the previous/next track	21	Adjusting image quality.....	27	Ending Smartphone linking	34	Other settings	41
Playing from the folder list/track list	21	Listening to Pandora Internet radio	28	Using a remote control (sold separately)	34		
Playing the previous/next folder	21	28	Cautions during remote control operations	34		
Repeat/shuffle play	21	Playing stations	28	Battery related precautions	35		
Scan play	21	Pausing play	28				
Listening to iPod/viewing iPod video	22	Skippping the tune being played	28				
		Rating the tune currently being played	28				

Troubleshooting	42	Deletion of data from the unit	52
Navigation related (NX603 only)	42	To protect your privacy... ..	52
Audio related	42	To protect copyright... ..	52
Smartphone linking.....	44	Deleting data (initializing)	52
Rear camera.....	45		
Others	45		
Discs that can be used on the unit			
(NX603 only).....	46		
CDs that can be played	46		
CDs that cannot be played	46		
DVDs that can be played	46		
Note on region numbers of DVD video discs	46		
DVD Video Features	46		
DVDs that cannot be played.....	47		
microSD cards/USB memory that can be used on the unit	47		
microSD card handling precautions	47		
Audio files that can be played on the unit.....	47		
MP3 files	48		
WMA files	48		
Folder structure of discs	48		
Folder structure of microSD card/USB memory	49		
Notes for playing back MP3 and WMA on the unit	49		
Video files that can be played on the unit (NX603 only).....	49		
Country code	50		
Daily care and handling	50		
Daily care and handling of main unit	50		
Warranty and customer support	50		
Specifications	50		
Trademarks	51		
Disposal, transfer and resale of this product	52		

To Ensure Safe Use

Symbols relating to safety

The “possibility of the driver or other people being injured” is indicated as follows, and the following describes these dangers and how to avoid them. Be sure to read these important warnings.

 WARNING	This indicates the possibility that failure to follow this instruction might lead to death or serious injury.
 CAUTION	This explains things that may cause injury if instructions are not followed.

WARNING

Do not use the product's guidance information for finding emergency facilities.

This product does not contain information on all hospitals, fire stations, police stations, etc. Also, this information may differ from actual information, so there is the possibility that you might not reach these facilities within the expected time.

Always disconnect the minus terminal of the battery before doing any work.

Failure to do so might cause electric shock, injury or device malfunction.

The driver must not operate or stare at the unit while driving.

The driver may be distracted and cause a traffic accident. Always stop in a safe location.

Follow all applicable traffic regulations

Information such as maps, one-way traffic signs, traffic regulation marks and signs, etc., or route advice (recommended routes and voice guidance), etc. displayed on navigation screens may differ from actual road signs and traffic conditions when driving. Failure to do so might cause traffic accidents.

Do not disassemble or modify the product.

Do not open the case to oil parts or cut through the insulation on wires to supply power to other devices. Doing so might cause accidents, fire, electric shock, or malfunction.

Ask a professional engineer to replace any fuses and use only fuses with the rated capacity.

Use of fuses exceeding the rated capacity might cause fire or malfunctions.

Do not use the product if it has malfunctioned or is not operating properly.

Stop using the product immediately if there is no image or audio, if any foreign objects get inside it, if it gets wet, if it emits smoke, strange noises, or strange smells. Failure to

do so might cause fire or electric shock.

Do not use benzene or paint thinner, car cleaner, polish spray, or similar fluids.

Use of these fluids inside the vehicle will, for example, cause inflammable gas to ignite and cause fire.

Also, use of these for daily care of this product will deform material or cause paint to peel off.

Do not leave microSD memory cards within the reach of children.

They might swallow them by mistake. Get medical treatment immediately if anyone swallows a microSD memory card.



CAUTION

Ask a professional engineer to install, remove, change installation or wire the unit.

Installation and wiring must be done correctly. If it is installed or wired incorrectly, it may interfere with driving and cause an accident or malfunction.

Do not use the main unit except in a vehicle.

Doing so may cause injury or electric shock.

Set the volume during driving to a level that allows you to hear sounds outside the vehicle.

Driving without being able to hear sounds outside the vehicle might cause an accident.

Do not place objects on the control panel or subject it to strong impact

Doing so might cause the control panel or LCD to malfunction, break or be deformed.

- Do not place objects on it.
- Do not press strongly with your hand.
- Do not hit it with hard objects such as the tip of a pen, pin or fingernails.
- Do not splash it with water, juice or other liquids.

Request and Notice

■ LCD display

- Small black spots or bright spots may appear on the screen, this is a phenomenon unique to LCD monitors, and is not a malfunction.
- Do not stick protective sheets, etc. on the touch panel. This might cause malfunctions or reduce response time. When the LCD panel becomes dirty, refer to "Daily care and handling of main unit." → P.50

■ Operating environment

- To prevent the battery from going flat, operate the unit with the engine running.
- The unit has a high-speed CPU, which means that the case may get hot. Pay particular attention to handling the unit during use or immediately after turning the engine off.
- On vehicles with a keyless entry system, the unit may stop operating if you bring the key close to it. Also, skipping might occur if you bring the key close to the unit or Bluetooth Audio device. If this happens, move the key away.

- There may be static or the screen may be distorted if electrical components that generate strong electrical noise are used near the unit. If this happens, either move the electrical component considered the cause of the electrical noise away from the unit or stop using it.

■ Routes

- When the position of a facility displayed from the search function is set as it is as a destination, you may be guided to an inappropriate location such as the back of the facility or on to an expressway. Please understand this and check the route near the destination.
- Names may be difficult to understand, depending on the audio data.
- When a route cannot be calculated, move the destination to a main road nearby and try calculating again. Routes sometimes cannot be calculated depending on conditions such as distance to the destination.

■ Cautions about the Warranty within the warranty period

- Contact your retailer about using the warranty for repairs.
- You may need to return accessories when you use the warranty for repairs.
- Data that could not be saved due to the unit malfunctioning and data that has disappeared is not covered by the Warranty.
- The Warranty is not applied in the following cases even within the warranty period:
 - Careless handling (inappropriate operations not described in the User's Manual, dropping, impact, splashing with water, etc.)

- Malfunction and damage caused by improper repair, modification and disassembly
- Malfunction and damage caused by fire, salt damage, gas damage, earthquakes, storm and flood damage, lightning strikes, abnormal voltage, and other natural disasters
- Scratching, discoloring and dirt resulting from use or damages from improper storage.

■ Copyright

- Software and data whose copyright is owned by third parties licensed to Clarion in accordance with a licensing agreement is recorded on the unit. Excluding instances that are clearly indicated as being permitted in descriptions in the User's Manual, removing, reproducing, or modifying the software in the unit (including updates and data) is strictly forbidden by law.

Before Starting Operations

The following describes information you should know before you start using the unit.

Features available on the unit



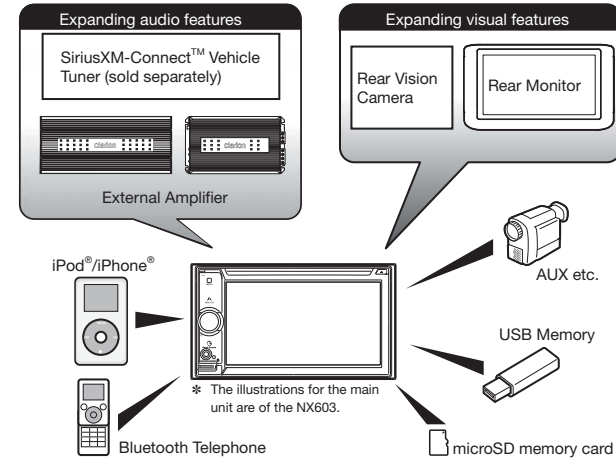
NX603

- Smartphone Connectivity
- Latest Map Guarantee
- Advanced Sound Tuning and 4V/6ch RCA Output

FX503

- Smartphone Connectivity
- Built-in Bluetooth® Hands-free(HFP) and Audio Streaming(A2DP & AVRCP)
- Advanced Sound Tuning and 4V/6ch RCA Output

Expanding Systems



* The items listed outside of the frames are the commercial products generally sold.

PRECAUTIONS

WARNING

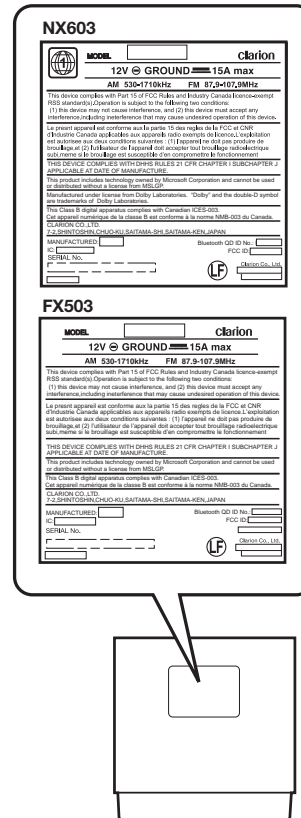
- For your safety, the driver should not watch the DVD video/movie data or operate the controls while driving. Please note that watching and operating the DVD video/movie data while driving are prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.

1. When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc (DVD/CD) or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc (DVD/CD), wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.
2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.
3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.
4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and

can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

■ INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.



Operation Panel/Generalities

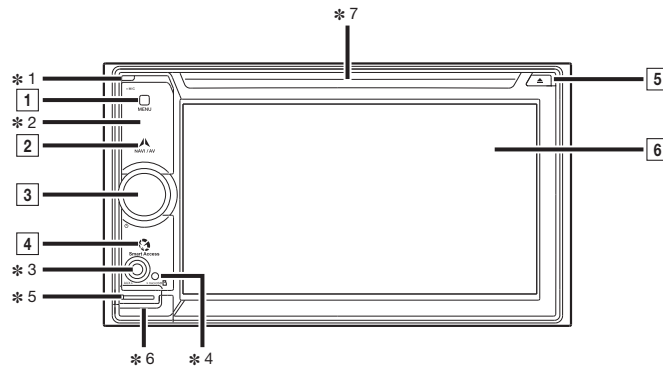
For a longer service life, be sure to read the following cautions.

- Do not allow any liquids on the set from drinks, umbrellas, etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage. Also, subjecting the operation panel to shocks may result in breakage, deformation, or other damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the cabinet.
- If a problem should occur, have the set inspected at your store of purchase.
- The optional remote control unit may not work if the remote control sensor is exposed to direct sunlight.
- In extremely cold weather, the display movement may slow down and the display may darken, but this is not a malfunction. The display will work normally when the temperature increases.
- Small black and shiny spots inside the operation panel are normal for LCD products.
- The touchkeys on the display operate when slightly touched. Do not press the touchkey screen with much force.
- Do not push the case surrounding the touchkey panel with much force. This may cause malfunctioning of the touchkeys.

Names and functions of parts

The following describes the button names on the operation panel of the unit and their functions.

NX603

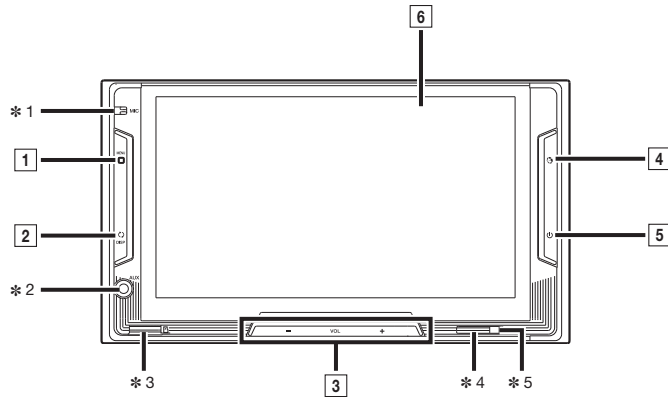


- * 1 This is the built-in microphone. This is used as the microphone for the hands free function when the unit is connected to a Bluetooth compatible cellphone by a wireless connection.
- * 2 This is the remote control sensor. This receives the signal from the remote control (sold separately).
- * 3 This is the AUX terminal. Audio and video from external devices connected to this terminal can be played when the audio mode is switched to AUX. → P.26
- * 4 This is the Antitheft Indicator. This light blinks when the Antitheft Activation setting is set to "ON" to indicate that the antitheft function is activated. → P.39
- * 5 This is where the microSD card is inserted to enjoy data in microSD cards. → P.10
- * 6 The map microSD is housed in here. To update the map, open this cover, and remove and insert the card.
Do not open the cover for other operations.
- * 7 This is where DVD video, CD, MP3, WMA, and DivX discs are inserted. → P.10

This document uses the following inline graphics and conventions to indicate operations using the buttons on the operation panel.

Number	Inline graphic	Description of operation	
1	MENU	Short press	This displays the main menu screen.
2	NAVI AV	Short press	This switches between the current position map screen and currently selected audio screen.
3	—	Turn	This is the rotary volume key. Use this to adjust the volume of audio-visual functions or the route audio guidance, etc.
		Short press	This turns off the screen.
4	Smart Access	Short press	This starts up Smart Access.
5		Short press	This ejects the disc inserted in the unit.
6	—	Touch	This is the monitor and touch panel. This functions as a touch panel by touching the screen when it is displayed.

FX503



- * 1 This is the built-in microphone. This is used as the microphone for the hands free function when the unit is connected to a Bluetooth compatible cellphone by a wireless connection.
- * 2 This is the AUX terminal. Audio and video from external devices connected to this terminal can be played when the audio mode is switched to AUX. → P.26
- * 3 This is where the microSD card is inserted to enjoy data in microSD cards. → P.10
- * 4 This is the remote control sensor. This receives the signal from the remote control (sold separately).
- * 5 This is the Antitheft Indicator. This light blinks when the Antitheft Activation setting is set to "ON" to indicate that the antitheft function is activated. → P.39

This document uses the following inline graphics and conventions to indicate operations using the buttons on the operation panel.

Number	Inline graphic	Description of operation	
1	MENU	Short press	This displays the main menu screen.
2	DISP	Short press	This switches to the audio screen.
3	VOL+ VOL-	Short press	Use this to adjust the volume of the audio-visual function.
4	Smart Access	Short press	This starts up Smart Access.
5	POWER	Short press	This turns off the screen.
6	—	Touch	This is the monitor and touch panel. This functions as a touch panel by touching the screen when it is displayed.

Basic method of use

Turning the power on

1 Turn the engine key to the “ACC” or “ON” position.

The unit turns on. After the opening screen is displayed, touch **OK**. The current position map screen or the audio screen is displayed.

When the engine key is turned to the “OFF” position, the unit is turned off.

MEMO

- When the Antitheft Activation function is set, the password entry screen is displayed. → P.39

How to use menus

The unit has a main menu for using all functions and a shortcut menu that groups together frequently used functions. Use of the shortcut menu allows you to quickly access frequently used functions.

1 **MENU**

The main menu screen is displayed.



Touching the main menu screen and quickly sliding your finger up or down then removing it, moves you to the previous or next page. This operation is called flicking.



Touch these to move to the previous or next menu screen.

Smart Access :

This displays the Smart Access mode. → P.33

DVD/CD :

This displays the DVD, CD or DivX modes. (NX603 only)
→ P.15

Tuner :

This displays the radio mode. → P.11

SiriusXM :

This displays the SiriusXM Satellite Radio mode. → P.12

Navigation :

This displays the navigation mode. (NX603 only) → “Owner’s Manual - Navigation”

USB / iPod :

This displays the USB audio mode or iPod audio/iPod video mode. → P.20, P.22

Phone :

This displays the telephone mode. → P.30

SD :

This displays the SD audio mode. → P.20

BT Audio :

This displays the Bluetooth audio mode. → P.25

Pandora Radio :

This displays the Pandora Radio mode. → P.28

AUX1 :

This displays the AUX1 mode. → P.26


AUX2 :

This displays the AUX2 mode. → P.26




This displays the various setting screens. → P.38

Using the shortcut menu

Touching  on the various audio top menu screens or the telephone top screen displays the shortcut menu.

Up to five frequently used functions can be registered to the shortcut menu. → P.39

Touching  returns the screen to the previous screen.

How to enter text

In the text entry screen, letters and numbers can be entered by touching the keypad.

This deletes one character. Continuously touching this deletes all characters.



This switches between uppercase and lowercase.

This switches to the alphabet/number entry mode.

This applies the character string you entered.

Operating lists

When a list contains many items, the list is displayed over two or more pages.

Moving between pages in a list

1 or



You can also scroll through pages in a list by flicking.

Using the index to select a list



When alphabet keys are displayed on the left side of the screen, items beginning with the letter of the alphabet that was touched can be displayed as a list. The following example explains how to select items beginning with the letter “B” from the list.

1 **B**



Items beginning with “B” are displayed.

2 Select the relevant item from the list.

If all indexes are not displayed, either touch  or  or flick to move to the next page.

Adjusting numerical values

When **+** and **-** are displayed, numerical values, volume, etc. can be adjusted.

Inserting and removing discs (NX603 only)

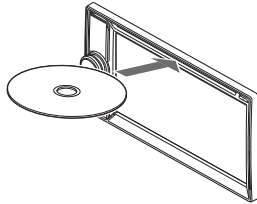
To enjoy data in CD, MP3/WMA or DVD discs, the disc must be loaded into the unit.

— Attention —

- Do not leave discs protruding from the loading slot. Either insert them completely or remove them.
- Do not touch the recording surface (shiny side) of the disc.
- Do not insert two discs at the same time.

How to insert discs

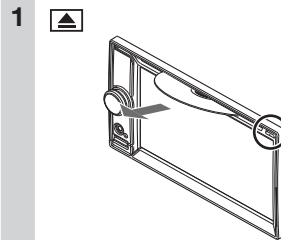
- 1 Insert the disc into the loading slot with the recording surface (shiny side) of the disc face down.**



The disc is drawn in. After a while, the disc starts playing. When the disc is inserted a short way, it is automatically drawn in. If the disc is not drawn in, this means that a disc is already loaded.

Do not exert unnecessary force when inserting discs. First remove the disc that is already loaded, and then load the new disc.

How to remove discs



- 2 Remove the disc.**

— MEMO —

- If a disc is not removed immediately, after a while it is automatically drawn in again.

Inserting and removing the microSD card (NX603)

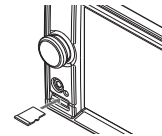
To enjoy MP3/WMA data in microSD cards, the microSD card must be loaded into the unit.

— Attention —

- The map microSD card is already inserted into the microSD card loading slot under the slot cover. If the map microSD card is removed, the unit does not function. Do not remove or insert the map microSD card except to update map information.
- Do not touch the terminal surface of microSD cards.

How to insert the microSD card

- 1 Insert the microSD card into the loading slot with its label surface face up.**



Firmly insert the microSD card as far as it can go.

How to remove the microSD card

- 1 Grip the microSD card with your fingers and pull it out.**

To remove the microSD card, grip it with your fingers and pull it out.

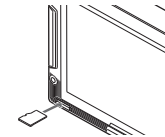
Inserting and removing the microSD card (FX503)

— Attention —

- Do not touch the terminal surface of microSD cards.

How to insert the microSD card

- 1 Insert the microSD card into the loading slot with its label surface face down.**



Firmly insert the microSD card as far as it can go until you hear it click in place.

How to remove the microSD card

- 1 Push in the microSD card.**
The microSD card springs out slightly.
- 2 Remove the microSD card.**
To remove the microSD card, grip it with your fingers and pull it out. The microSD card might spring out.

Adjusting the audio volume

- 1 Turn the rotary volume (NX603) or **VOL+** and **VOL-** (FX503).

MEMO

- **VOL+** or **VOL-** changes the volume continuously. (FX503 only)
- The volume of the navigation audio guidance is adjusted by a different operation. (NX603 only) → "Owner's Manual - Navigation"

Switching the display screen (NX603 only)

The audio screen and map screen are switched by the following operation.

Switching to the audio screen

- 1 In the map screen **NAVI AV**
The audio screen of the selected source is displayed.

Switching to the map screen

- 1 In the audio screen **NAVI AV**
The map screen is displayed.

Displaying the AV control bar (NX603 only)

The AV control bar for quickly accessing audio-visual functions can be displayed. Display content differs according to the currently selected audio-visual type.

1 AV control bar display key



The AV control bar of the currently displayed audio-visual is displayed. To hide the AV control bar, touch the bar display key.

Turning off the screen

Notice

- While the screen is off, the voice guidance of the navigation does not work.

1 Press the rotary volume key (NX603) or **POWER** (FX503).

The screen turns off.

Press the rotary volume key (NX603) or **POWER** (FX503) again to display the screen as before.

When the audio screen is previously displayed, the audio main menu screen of the selected source is displayed.

MEMO

- The screen temporarily turns on when you receive a call or use the camera.

Listening to the radio





You can enjoy both AM and FM radio on the unit.

Receiving radio broadcasts

Switching between AM and FM radio

- 1 **MENU** ▶ **Tuner**
Radio broadcasts are received.
- 2 **FM1**, **FM2**, **FM3**, **AM**
Switches to the band you touch.

Automatically selecting a station

- 1 **MENU** ▶ **Tuner**
- 2  or 
(Long press within 1.5 seconds)
When a receivable station is detected, that station is automatically received. If  or  is long pressed for at least 1.5 seconds, the frequency switches continuously while the key is touched. When you release your finger from the key, receivable broadcast stations are automatically detected and received.

Manually selecting the station

1 **MENU** ▶ **Tuner**

2  or 

Each touch switches the frequency. The frequency can also be switched by touching the frequency setting area or sliding the frequency setting bar.



Frequency setting bar

Selecting stations from the list

Select a registered station from the list.

1 **MENU** ▶ **Tuner**

2 **Select the desired station.**
The selected station is received.

Using the radio preset channel list

What is a “preset channel”?

You can register (preset) the frequency of a station that can be received in the area you are driving. You can receive any desired station at the touch of a button without having to adjust the frequency.

There are four preset channel lists: FM1, FM2, FM3, and AM. Up to six stations can be registered in each list.

There are two ways of registering to preset channel lists, manual and automatic.



Preset channel list (Station list)

The stereo status, preset channel number and frequency are displayed.

Using reception bands

When the station differs according to region, reception bands can be switched and used at the touch of a button by setting preset channels in that area to each of FM1, FM2, FM3, and AM.

1 **MENU** ▶ **Tuner**

2 **FM1 , FM2 , FM3 , AM**
The preset channel list display is switched.

Automatically registering to lists (auto store)

— Notice

- Stations cannot be selected during this operation. Wait for the operation to end.

1 **MENU** ▶ **Tuner**

2 **FM1 , FM2 , FM3 , AM**

3 

4 **OK**

Receivable stations are overwritten to and registered to the current preset channel.

To cancel an auto store, touch **Cancel**.

— MEMO

- When an auto store is stopped midway, stations received so far are not registered.

Manually registering to lists

1 **MENU** ▶ **Tuner**

2 **Receive the station you want to register.**

3 **Long press the channel to be overwritten in the preset channel list until you hear a sound**

The station currently being received is overwritten to and registered to that channel.

Listening to SiriusXM Satellite Radio

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com.

Preparations

- To use this function, SiriusXM-Connect Vehicle Tuner (sold separately) is required.
- Use the SiriusXM Radio ID to register yourself as a member.

Displaying the SiriusXM Radio ID

The SiriusXM Radio ID is used, for example, for registering your membership or transactions with SiriusXM customer support.

1 **MENU** ▶ **SiriusXM**

2 

SiriusXM Radio ID is displayed.

The SiriusXM Radio ID can also be found by tuning to Channel 0. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner.

Please note that the SiriusXM Radio ID does not include the letters I, O, S or F.

Activate the SiriusXM Vehicle Tuner using one of the two methods below:

- Online: Go to "www.siriusxm.com/activatenow" and choose ACTIVATE RADIO.
- Phone: Call 1-800-XM-RADIO (1-800-967-2346).

Receiving SiriusXM Satellite Radio

- 1 **MENU** ► **SiriusXM**
- 2 **◀◀** or **▶▶**

Touching this displays the currently selected Content Info.



Seek Mode key

The preset number, channel number, channel name, category name, song title currently being played, and artist name are displayed.

SiriusXM Satellite Radio comes with three modes. (Default: All Channels)

Presets:

In this mode, the channels registered to the preset channels are selected.

Categories:

In this mode, the channels belonging to the category currently being received are selected.

All Channels:

In this mode, all channels currently being received are selected.

Each touch of the Seek Mode Key switches the mode in the following order:

All Channels→Presets→Categories→All Channels...

Touching **◀◀** or **▶▶** switches the channel in the currently selected mode.

Continuously touching **◀◀** or **▶▶** switches the channel while that key is held down. When you release your finger, the selected channel is received.

Notice

- Channels to which parental lock is set are not included in tuning when All Channels or Categories is selected for Seek Mode.

Selecting channels

Selecting channels from preset channels

Frequently used channels can be selected and received from preset channel lists you have registered in advance.

Preparations

- To select a preset channel, the channel must first be registered. → P.13

- 1 **MENU** ► **SiriusXM**
- 2
- 3 **Presets**
- 4 **Select the desired channel.**

Selecting from the category list

- 1 **MENU** ► **SiriusXM**
- 2
- 3 **Categories**
- 4 **Select the desired category.**
- 5 **Select the desired channel.**

Selecting channels from channel lists

- 1 **MENU** ► **SiriusXM**
- 2
- 3 **All Channels**
- 4 **Select the desired channel.**

Entering a channel number to select it

- 1 **MENU** ► **SiriusXM**
- 2
- 3 **Direct Tune**
- 4 **Enter the channel number**
- 5 **OK**

Registering preset channels

Up to 30 channels can be registered to preset channels.

- 1 **MENU** ► **SiriusXM**
- 2 **Receive the channel you want to register.**
- 3
- 4 **Presets**

- 5 Long press the channel to be overwritten in the preset channel list until you hear a sound**
The channel currently being received is overwritten to and registered to that channel.

Using Parental Control

The Parental Control function applies viewing restrictions to channels that are considered inappropriate viewing for children.

Channels can be locked by setting passwords for particular channels. (Default: 0000)






When a locked channel is selected, the password entry screen is displayed.

The channel can be accessed and switched to by entering the correct password. From here onwards, the password does not need to be entered until the engine key is turned off.

— Notice

- This operation is not possible while you are driving.

Locking a channel

- 1**  
- 2** 
- 3** 
- 4** **Enter the 4-digit password**

The channel list is displayed.








- 5 Touch the channel you want to lock.**
The password is set for the selected channel.

- 6** 

— MEMO

- The lock setting of each channel is held in memory even if the engine key is turned off.
- The password is canceled by touching the channel again in step 5.

Changing passwords

- 1**  
- 2** 
- 3** 
- 4** **Enter the password** 
- 5** **Enter the new password** 
- 6** **Enter the password again for confirmation** 
This completes changing of the password.

SiriusXM Satellite Radio Advisory Messages

Message	Description
Check Tuner.	Check the SiriusXM tuner connection on the back of the unit to ensure that its correctly connected.
Check Antenna.	Ensure the SiriusXM antenna cable is connected to the SiriusXM tuner correctly. Check the SiriusXM antenna wire for breaks or sharp bends. Replace the antenna if necessary.
No Signal.	The vehicle must be outside, and the antenna must have a clear view of the southern sky.
Channel * not Subscribed. Call SiriusXM to Subscribe.	This channel is not included in your SiriusXM subscription plan. Call 1-800-XMRADIO (1-800-967-2346) to subscribe.
Channel * Not Available.	This channel is not a valid SiriusXM channel. The channel number has been entered incorrectly, or the channel was removed from the SiriusXM channel lineup.
Ch Locked. Lock Code?	The selected channel has been locked by the parental controls. A prompt to enter the unlock code will appear. → P.14
Subscription updated. Press OK to continue.	An update to your SiriusXM subscription has been received by the SiriusXM tuner. Press any button to continue.

Viewing DVDs (NX603 only)

Playing DVDs

⚠ WARNING

- If the driver wants to view video on a DVD, he or she should always stop at a safe place before doing so.

— Notice

- For safety's sake, view video on a DVD only when the vehicle has stopped. While you are driving, you can enjoy only audio.

1 Load the DVD, or

MENU ► **DVD/CD**

The DVD loaded in the unit is played. Menu keys are displayed by touching the screen.



The screen size and play status are displayed.

If five seconds passes with no operations, the keys displayed on screen are hidden. To manually hide the keys, touch **Back**.

Stopping play

1 Touch the screen while playing



DVD video is hidden and playing stops. (resume stop)

If is touched during a resume stop, play is resumed from the place where it was stopped.

If is long pressed during a resume stop, play is completely stopped.

(complete stop) When play is next started, the disc is played from the beginning.

Pausing

— Notice

- In the case of DVD video, key operations such as pause or start sometimes are not possible in some menus. If this happens, touch **Top Menu** or **Menu** use the operation keys in the DVD menu.

1 Touch the screen while playing



Play pauses while the DVD image is displayed. If is touched during a pause, play is resumed from the place where it was stopped.

Playing the previous or next chapter

1 or

Touching returns you to the start of the chapter, and each additional touch of moves you to previous chapters.

Rewinding/fast forwarding

1 While playing, (rewind) or (fast forward)

If you release your finger from , , normal play resumes.

Slow play

1 Touch the screen while playing (long press)

If you release your finger from , normal play resumes.

— MEMO

- During slow play, "Slow play" is displayed in the Audio status display area.

Repeat play

This function is for repeatedly playing the chapter currently being played.

1 **MENU** ► **DVD/CD**

2 Touch the screen and touch Trick Play key.



3

Touch to resume normal play.

4 Touch the Trick Play key.

The screen returns to the previous screen.

Playing from menus

DVD video discs are recorded with a DVD menu (disc menu) unique to that disc. The disc menu can be used to quickly play video you want to watch, such as the main title or bonus content.

Displayed menus and operation methods differ according to each disc.

1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3 **Top Menu** or **Menu**


MEMO

- When "The operation is not available." is displayed, this means that the menu is not set to the DVD video disc itself.

4 **Direct touch the menu item to select it.**

Move:

This moves the operation key to the left and right of the screen.

5 **To use an operation key to select a menu item** 

6 **Select the menu by**  ,  ▶ **OK**

The selected menu item is played.

Entering a title or chapter number to play a title or chapter

1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3  ▶ **10Key Search**

4 **Title** or **Chapter**

5 **Enter the number.**

6 **OK**

The entered title or chapter is played.

Setting DVDs

Switching the audio language/subtitle language/angle

Notice

- This function is enabled only when subtitles, multiple audio, and angles are recorded to DVDs.
- The available languages differ according to the disc.

1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3  ▶ **Audio/Subtitle/Angle**

4 **Angle** , **Audio Language** , **Subtitle Language**

Each touch of this switches the settings of each item. Subtitles can be hidden by setting "OFF".

MEMO

- "Others" is displayed when a language other than that can be set at "Setting priority language" is recorded. → P.17

5 **Back**

Adjusting image quality

1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3  ▶ **Display Adjustment**

4 **-** or **+** of item to adjust

Adjust the image quality while viewing the video image on screen.

5 **Back**

This sets the newly adjusted image setting.

MEMO

- Image quality adjustments can be set for both the day and night screens.

Switching the screen size

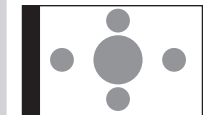
1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3  ▶ **Display Mode**

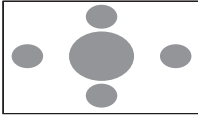
4 **Select the screen size**

Normal:



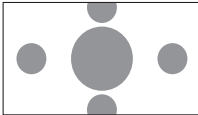
Video is displayed in the center of the screen with its aspect ratio held intact. When the size of the video and screen differ, excess parts of the screen are displayed in black.

Full:



The video is displayed to fit the entire screen. When the size of the video and screen differ, the aspect ratio of the video is displayed altered.

Cinema:



This is used when displaying cinema scope size or vista size video. When the size of the video and screen differ, the horizontal size of the video is displayed to match the horizontal and vertical size of the screen. Unused parts at the top and bottom are displayed in black.

5 **Close**

6 **Back**

Setting the monitor size

— Notice —

- The recorded monitor size differs according to each disc. Even if the monitor size is set to “Pan Scan” or “Letter Box”, video is automatically played at either of these settings depending on the disc.

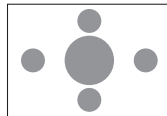
1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3  ▶ **Sizing Monitor**

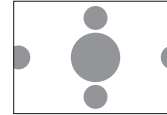
4 **Select the monitor size.**

WIDE:



Video is displayed to fit in the entire screen. When the video and screen aspect ratios are different, video is reshaped and displayed. No parts of the video are clipped.

Pan Scan:



The video is displayed with its height aligned in the vertical direction of the screen. When the video and screen aspect ratios are different, video is displayed with its left and right sides clipped.

Letter Box:



The video is displayed with its width aligned in the horizontal direction of the screen. When the video and screen aspect ratios are different, black bands are displayed at the top and bottom of the screen.

5 **Close**

6 **Back**

Setting priority language

You can set the menu language, audio language, and subtitle language that are given priority when something is playing.

— Notice —

- The available languages differ according to the disc.
This setting is for the language to be given priority while playing DVDs. Video is not necessarily played with the selected language.

1 **MENU** ▶ **DVD/CD**

2 **Touch the screen.**

3 

4 **Default Menu Language** ,
Default Audio Language ,
Default Subtitle Language

Touch any key to open the list of languages and you can select the language to give priority to while the video is playing.

You can select English, French or Spanish as the language. At Default Subtitle Language, you can select “OFF” to hide subtitles.

5 **Select the language.**

6 **Close**

7 **Back**

Setting the parental level

■ What are parental levels?


The parental level setting is for applying restrictions to children viewing DVDs. Some DVD videos have parental level settings. There are eight levels 1 through 8, with stricter viewing restrictions being applied as the number becomes smaller. Discs set with viewing restrictions sometimes cannot be played depending on the parental level setting made on the unit. Example: When the viewing restriction of the DVD is parental level 3 the DVD can be played only when the parental level set on the unit is level 4 to 8. If an attempt is made to play a DVD when the parental level set on the unit is level 1 to 3, then a warning message "Change parental level" will be displayed. The default parental level is "OFF" which means that no viewing restrictions are applied to any DVD videos.

— Notice —


- A password is required to set the parental level. Viewing restrictions sometimes do not function successfully if the country code is not set since parental level differs according to country. → P.50
- The parental level is written on the DVD package, for example. Viewing restrictions are not applied to discs whose package does not indicate any parental level even if parental level is set.
- This setting is not required if viewing restrictions are not to be applied.

■ Setting and changing passwords

Set or change the password that is required for setting viewing restrictions.


- 1 **MENU** ► **DVD/CD**
- 2 **Touch the screen.**
- 3 
- 4 **Parental Control Password**
- 5 **Enter the password** ► **OK**
"****" is displayed for the entered password. (Default: password not set) If a password is not set, there is no need to enter one.
To set a new password → Step 7
- 6 **Enter the new password** ► **OK**
- 7 **Enter the same password again** ► **OK**
- 8 **Back**
The new password is set.

■ Setting the parental level

- 1 **MENU** ► **DVD/CD**
- 2 **Touch the screen.**
- 3 
- 4 **Parental Level**
- 5 **Enter the password** ► **OK**
- 6 **Select the parental level** ► **Set**
The parental level is set.
Viewing restrictions on all parental levels for DVD video are canceled by touching **OFF**.

Setting the country code

The country code is the code for identifying countries. The parental level differs according to country. To use the parental level correctly on the unit, the country code of the DVD must be set. → P.50

- 1 **MENU** ► **DVD/CD**
- 2 **Touch the screen.**
- 3 
- 4 **Country Code**
- 5 **Enter the country recorded on the DVD or the country code of the region (default: 8583 (United States)).**
- 6 **OK**
- 7 **Back**

Listening to music on CDs or discs (MP3/WMA) (NX603 only)

On the unit, you can enjoy discs containing MP3/WMA format music data in addition to regular music CDs.

Playing discs

— Notice —

- While you are driving, available items are limited.

When the following discs are played, the artist name, track title and other information is displayed.

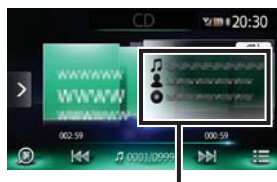
- Discs containing CD-TEXT
 - Discs containing ID3 tags and WMA tags
- When discs other than the above are played, only a number such as "Track01" is displayed.

— MEMO —

- When a non-stop CD (CD comprising tracks joined together) is played, a silent period of a few seconds occurs between tracks.

Playing CDs

- 1 **Load the CD, or**
MENU ▶ DVD/CD
 The CD loaded in the unit is played.



The track name, artist name and album name currently being played are displayed.

Playing MP3/WMA discs

- 1 **Load the MP3/WMA disc,**
or MENU ▶ DVD/CD
 The disc loaded in the unit is played.
 DivX contents are played if any are on the disc. → P.20



The track name, artist name, album name, and folder name currently being played are displayed.

Rewinding/fast forwarding

- 1 **While playing,** (rewind) or (fast forward) (long press)
 If you release your finger from , , normal play resumes.

Playing the previous/next track

- 1 **While playing,** or
 Touching returns you to the start of the track, and each additional touch of moves you to the previous track.

Playing the previous/next folder (only when playing MP3/WMA)

- 1 **While playing,** ,
 Each touch of , moves you to the previous or next folder, and the first track in the folder is played.

Playing from the folder list/track list

- **Notice**
- While you are driving, folder lists and track lists cannot be scrolled by flicking.

- 1 **MENU ▶ DVD/CD**
- 2

- 3 **(MP3/WMA discs)**
Select the folder currently being played.

The track list is displayed. When a folder other than the one currently being played is selected, the folder list remains displayed and play begins from the first track of the selected folder. To display the track list, select the same folder again.

- 3 **(CD discs)**
 The track list is displayed.

- 4 **Select the track.**
 Play begins from the selected track.

Repeat/shuffle play

- 1 **MENU ▶ DVD/CD**
- 2 **Touch the Trick Play key ▶ select the desired item.**

Trick Play key



* The above screen is for playing music CDs.

- : Only the track currently being played is repeated.

- : All tracks in the folder currently being played are repeated. (MP3/WMA only)

- : All tracks in the disc are repeated.

- : All tracks in the disc are played at random.

- : All tracks in the folder currently being played are played at random. (MP3/WMA only)

- 3 **Touch the Trick Play key.**
 The screen returns to the previous screen.

Scan play

Ten seconds of the first part of each track is played.

- 1 **MENU ▶ DVD/CD**
- 2 **Touch (scan key).**
 Touching the scan key again cancels scan play, and the mode returns to the repeat all tracks mode.

Viewing DivX content (NX603 only)

Viewing DivX content

DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

A feature of DivX is that long videos can be compressed to small files with high image quality kept intact. The copyright of DivX content is protected, so check the status of the device that is playing and the viewing count limit. Also, to view DivX VOD (Video-On-Demand) content, the device that is playing must be registered as a DivX certified device. Register DivX certified devices by the following procedure: For details, browse the Rovi Corporation website.

1. Acquire a DivX account on your personal computer, for example.
2. Check the registration code on the unit. → P.41
3. Register the registration code of the unit to the DivX account on your personal computer.
4. Write the activation file to disc.

MEMO

- Content exceeding the viewing count limit cannot be played. In this case, move to the next track by **OK**.

Playing DivX content

WARNING

- If the driver wants to view video on a DVD/CD, he or she should always stop at a safe place before doing so.

Notice

- For safety's sake, view video on a DVD/CD only when the vehicle has stopped. While you are driving, you can enjoy only audio.

1 Load the DivX disc, or



The DVD/CD loaded in the unit is played.

The registration code must be set when viewing is not possible as it is because of DivX certification limits. Menu keys are displayed by touching the screen.

If the disc contains MP3 or WMA audio files, switch the mode to play them. → P.18



The file name, screen size and status of play for the current song are displayed.

If five seconds passes with no operations, the keys displayed on screen are hidden. To manually hide the keys, touch **Back**.

You can perform the following operations on DivX discs. Methods of operation are the same as those for DVD/CDs.

- Stopping/pausing play → P.15
- Playing the previous/next track → P.15
- Rewinding/fast forwarding → P.15
- Playing from the folder list/track list → P.19
- Repeat play → P.15
- Entering a title number to play a title → P.16
- Switching the subtitle display/audio → P.16
 - * In the DivX mode, the subtitle and audio languages are not displayed.
- Adjusting image quality → P.16
- Switching the screen size → P.16

Listening to microSD card/ USB memory files

Music saved on your microSD cards or USB memory can be played on the unit.

Playing microSD card/USB memory

Audio files in MP3/WMA format that have been edited on a personal computer can be played using a microSD card or USB memory.

Attention

- Do not leave USB memory inside the vehicle. The inside of the vehicle gets hot under the blazing sun, for example, and might cause them to malfunction.
- Do not get onto or place objects on USB memory while they are connected. Doing so might cause them to malfunction.

Notice

- USB memory cannot be used when an iPod is connected.

Playing microSD card or USB memory

- 1 Connect the microSD card or USB memory.

2 **MENU** ▶ **SD** or **USB / iPod**
 The files on the microSD card or USB memory are played.



The song title, artist name, album name, and folder name currently being played are displayed.

* The above screen is for playing a microSD card.

MEMO

- Files on the microSD card or USB memory are played in file name order. To change the play order, prefix the file names with a number.

Rewinding/fast forwarding

1 While playing, **⏮** (rewind) or **⏭** (fast forward) (long press)
 If you release your finger from **⏮**, **⏭**, normal play resumes.

Playing the previous/next track

1 While playing, **⏪** or **⏩**
 Touching **⏪** returns you to the start of the track, and each additional touch of **⏪** moves you to the previous track.

Playing from the folder list/track list

Notice

- While you are driving, folder lists and track lists cannot be scrolled by flicking.

- MENU** ▶ **SD** or **USB / iPod**
-
- Select the folder currently being played.**
 The track list is displayed. When a folder other than the one currently being played is selected, the folder list remains displayed and play begins from the first track of the selected folder. To display the track list, select the same folder again.
- Select the track.**
 Play begins from the selected track.

Playing the previous/next folder

1 While playing, **⏴**, **⏵**
 Each touch of **⏴**, **⏵** moves you to the previous or next folder, and the first track in the folder is played.

Repeat/shuffle play

- MENU** ▶ **SD** or **USB / iPod**
- Touch the Trick Play key** ▶ select the desired item.



- : All tracks are repeated.
 - : All tracks in the folder currently being played are repeated.
 - : Only the track currently being played is repeated.
 - : Folders are selected at random from all folders, and tracks selected at random from that folder are played.
 - : All tracks in the folder currently being played are played at random.
- 3** **Touch the Trick Play key.**
 The screen returns to the previous screen.

Scan play

Ten seconds of the first part of each track is played.

- MENU** ▶ **SD** or **USB / iPod**
- Touch** (scan key).
 Touching the scan key again cancels scan play, and the mode returns to the repeat all tracks mode.

Listening to iPod/viewing iPod video

Connectible iPods

The unit supports the following devices: 5th generation iPod, iPod classic®, iPod nano®, iPod touch®, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S.

For more details, see the table below. The iPod is not supplied with the unit. Use your own iPod. To play ipod, CCA-750 (sold separately) is required.

When an iPod is used on the unit, the iPod firmware must be the most recent.

Connectible iPod	Remarks
iPod (5th generation)	Video can be played.
iPod classic (80GB, 120GB, 160GB)	Video can be played.
iPod nano (1st generation, 2nd generation)	
iPod nano (3rd generation, 4th generation, 5th generation)	Video can be played.
iPod nano (6th generation)	
iPod touch (1st generation*)	Video can be played.
iPod touch (2nd generation, 3rd generation, 4th generation)	Video can be played.
iPhone 3G/iPhone 3GS/ iPhone 4/iPhone 4S	Video can be played.

* Video can be played from firmware 2.0

onwards. In firmware versions older than 2.0, use only in the music mode.

Attention

- Be sure to remove the iPod after the vehicle's engine key is turned to the "OFF" position. The iPod's power supply might run down if it is not turned off while still connected to the unit.

Notice

- iPad/iPad2 are not supported.
- Not all iPod operations are guaranteed.
- Some iPods sometimes do not operate depending on their firmware version even if they are in the list of connectible models.
- When connecting an iPod to the unit, do not use iPod headphones or other accessories.
- Some functions are restricted depending on the iPod model and firmware version. For information about connectible models, refer to the following web site:
<http://www.clarion.com/us/en/support/compatibility/ipod/index.html>
- The iPod might not operate correctly when the iPod's track repeat function is set.
- The iPod might not operate correctly when the iPod's shuffle function is set. In this case, cancel the shuffle function before using the iPod.
- The iPod sometimes is not recognized when only video files are saved to it. This problem is resolved when even one music file is saved.
- When there are lots of tunes to play, the titles or list sometimes cannot be displayed depending on the iPod model.

- Audio sometimes is not output in the iPod mode when Bluetooth Audio is playing or hands free calls are being made while the iPod touch or iPhone is still connected via Bluetooth. Perform operations from the iPod touch or iPhone main unit, and switch the settings (audio output) from Bluetooth (CAR-BT) to the Dock connector. Also, remove the iPod from the unit and reconnect it. For details, refer to the User's Manual for the connected device.
- Audio is sometimes not output from the USB-connected iPod touch or iPhone if the audio device is connected via Bluetooth. In this case, switch the Bluetooth connection mode to other than [Playing music], and reconnect iPod touch or iPhone. → P.40

MEMO

- When iPod operation is stopped, operations sometimes become possible by selecting a tune or video from the category list.
 - If an error message is displayed, remove the iPod from the unit and reconnect it.
 - If the iPod becomes inoperable, reset the iPod main unit and reconnect it.
- Reset methods (examples)
- iPod:
Simultaneously hold down the "Center" and "Menu" buttons until the Apple logo is displayed.
 - iPod touch:
Simultaneously hold down the "Sleep/Cancel sleep" and "home" buttons until the Apple logo is displayed.

For details on how to reset the iPod, check in the User's Manual for the iPod.
* If operation is not remedied by resetting and reconnecting the iPod, reset the iPod, check operation of the iPod in an unconnected state and then try connecting it again.

Playing iPods

Audio data and video images in connected iPods can be enjoyed on the unit.

— Attention —

- While you are driving, do not operate the iPod main unit.
- Do not leave iPods inside the vehicle. The inside of the vehicle gets hot under the blazing sun, for example, and might cause them to malfunction.
- Do not get onto or place objects on iPods while they are connected. Doing so might cause them to malfunction.
- Place iPods at a safe place before starting to use them.

— Notice —

- You cannot operate from the iPod once it is connected to the unit.
- While you are driving, available items are limited.

— MEMO —

- If the iPod becomes inoperable, reset it. For details on how to reset the iPod, check in the User's Manual for the iPod.
- When an iPod that is playing an audio file is connected to the unit, play continues from the tune that is being played. When a video-compatible iPod is connected to the unit while video is being played, the point in the video may differ depending on the iPod. To watch video, select the video file again.

Listening to iPods

The iPod starts to play automatically when CCA-750 (sold separately) is connected to the USB jack on the unit.

When the iPod is already connected, play audio by the following procedure.

- 1 **MENU** ► **USB / iPod**
Tracks in the iPod are played.



The song title, artist name, album name, and genre name currently being played are displayed.

Watching iPod video

⚠ WARNING

- **If the driver wants to view iPod video, he or she should always stop at a safe place before doing so.**

Preparations

- Connect the video jack of CCA-750 (sold separately) to the VTR cable.
- Set the iPod connection method to "USB + VTR". → P.24

— Notice —

- For safety's sake, view iPod video only when the vehicle has stopped. While you are driving, you can enjoy only audio.
- iPod touch with firmware version older than 2.0 does not support playing video.
- Video images sometimes are not displayed while playing iPod videos depending on the version of the OS. In this case, this symptom can be remedied by setting the music application to the foreground on the iPod.

- 1 **MENU** ► **USB / iPod**
iPod video is played.
Menu keys are displayed by touching the screen.



The track name currently being played is displayed.

If five seconds passes with no operations, the keys displayed on screen are hidden. To manually hide the keys, touch **Back**.

— MEMO —

- When audio is played, video images in iPod video are switched to manually.

Rewinding/fast forwarding

- 1 While playing, **◀** (rewind) or **▶** (fast forward) (long press)
If you release your finger from **◀**, **▶**, normal play resumes.

Playing the previous/next track/chapter

- 1 While playing, **◀** or **▶**
The first track in the previous or next chapter is played when playing a track that exists in the chapter.
Touching **◀** returns you to the start of the track, and each additional touch of **◀** moves you to the previous track.

Repeat/shuffle play

— Notice —


- Repeat play is sometimes not possible depending on the iPod model.
- If the iPod is switched to the video mode during shuffle play, shuffle play is automatically canceled.


- 1 **MENU** ► **USB / iPod**
- 2 **Audio** or **Video**


- 3** Touch the Trick Play key ►
select the desired item.




(Shuffle play (audio only))


: Cancels shuffle play.

: Plays the entire album at random. Tracks in the album are played in order.

: All tracks in the album currently being played are played at random.

(Repeat play)

: Only the track currently being played is repeated.

: All tracks in the entire album are repeated.

Play begins with the selected operation.

- 4** Touch the Trick Play key.
The screen returns to the previous screen.

Playing under specified conditions

You can search for tracks that match specific conditions and play these.

— **Notice** —

- When the playlist is arranged in a multi-layer hierarchy, unclear items might be displayed depending on the depth of the hierarchy.

1 **MENU** ► **USB / iPod**

2 **Audio** or **Video**



4 Select the desired item.


— **MEMO** —

- Selectable items (examples)
(Audio)
Tracks/Playlists/Artists/Albums/
Others (Genres/Composers/
Audiobooks/Podcasts)
(Video)
Video Playlist/Others (TV programs/
Rentals, etc.)

Similar operations are repeated until the track list is displayed.

5 Select the track.

The selected track starts playing.

Touching  returns the screen to the screen in step 3.

Setting iPod (video only)

Adjusting the image quality of iPod video

1 **MENU** ► **USB / iPod**

2 **Video**



4 **Setup** at **[Display Adjustment]**

5 **-** or **+** of item to adjust

Adjust the image quality while viewing the video image on screen.

6 **Back**

This sets the newly adjusted image setting. Image quality adjustments can be set for both the day and night screens.

Switching the iPod connection method

Select the iPod connection method from "USB" or "USB + VTR". (Default: USB)

— **MEMO** —

- When the connection method has been changed, disconnect the iPod and then reconnect it.

1 **MENU** ► **USB / iPod**

2 **Video**



4 **Change** at **[Connection Method]**

- 5** Select the connection method.

USB:

iPod supports only the music mode. Cannot switch to the iPod video mode.

USB + VTR:

The VTR jack is used for iPod video and audio input.

When "USB + VTR" is set, the video jack of CCA-750 (sold separately) must be connected to the VTR cable.

Listening to Bluetooth audio

To listen to Bluetooth audio

Register audio devices compatible with Bluetooth to the unit so that music can be played.

Preparations

- When using Bluetooth Audio for the first time, the audio device must be registered (paired) with the unit. → P.29

Attention

- Do not leave portable devices inside the vehicle. The inside of the vehicle gets hot under the blazing sun, for example, and might cause them to malfunction.

Notice

- Use audio devices that are compatible with the Bluetooth protocol. Note, however, that with some types of Bluetooth Audio device the unit sometimes cannot be used or available functions are sometimes limited. When a function is not supported, its button or key cannot be pressed. Or, a message to the effect that operation is not possible will be displayed. Note, however, that a message to the effect that operation is not possible sometimes is not displayed depending on the audio device.
- The unit sometimes cannot be connected or skipping sometimes happens depending on distance and where the Bluetooth Audio is installed. We recommend situating audio devices where the reception is as good as possible.
- Pairing cannot be executed while you are driving.


- Audio will not be output while telephone related functions or online functions are being executed using a Bluetooth Audio compatible cellphone.
- Skipping sometimes occurs while an iPhone is playing as Bluetooth Audio and the Bluetooth screen is displayed on the iPhone. In this happens, audio is played normally by closing the Bluetooth screen display.
- With Bluetooth Audio, an automatic connection from the unit is not performed. Operate the audio device you want to connect to establish the connection to the unit.

MEMO




- For details on Bluetooth Audio devices, refer to the respective User's Manual.
- Up to five Bluetooth Audio devices including hands free devices can be paired. When five devices are already paired, one device must be deleted from the pairing information and a new device must be registered.
- Some Bluetooth Audio compatible cellphones automatically connect audio profiles from the cellphone while at the same time connecting hands free profiles.
- If audio is not output even when the audio device is connected, disconnect the profile from the device and reconnect it.

Playing Bluetooth audio





Notice

- With some types of Bluetooth Audio device, operation such as playing, pausing, rewinding, and fast forwarding are sometimes not possible from the unit. If this happens, operate from the Bluetooth Audio device. For details, refer to the User's Manual for the Bluetooth Audio device.
- With some Bluetooth Audio devices, play does not start automatically sometimes. If this happens, either touch , or operate the Bluetooth Audio device to start playing.





Playing Bluetooth Audio

- 1  
Bluetooth Audio is played.
To pause or resume play, touch .

Rewinding/fast forwarding


- 1 While playing,  (rewind) or  (fast forward) (long press)
If you release your finger from , , normal play resumes.

Playing the previous/next track

- 1 While playing,  or 
Touching  returns you to the start of the track, and each additional touch of  moves you to the previous track.

Playing from the track list

Notice

- For this function, only Bluetooth Audio that is compatible with AVRCP Ver1.4 can be used. With some types of Bluetooth Audio device, this function cannot be used.
- When the Bluetooth Audio player that is playing the audio is not started up, list operations sometimes are not possible. Start up the player and try the operation again.
- With some types of Bluetooth Audio device,  sometimes cannot be touched.



- 1  
- 2 
- 3 **Select the track.**
Play begins from the selected track.

Playing under specified conditions

You can search tracks to be played from folders or categories and play them.

Notice


- For this function, only Bluetooth Audio that is compatible with AVRCP Ver1.4 can be used. With some types of Bluetooth Audio device, this function cannot be used.
- When the Bluetooth Audio player that is playing the audio is not started up, list operations sometimes are not possible. Start up the player and try the operation again.







- 1 **MENU** ► **BT Audio**
- 2 
- 3 **Browse**
- 4 **Select the desired item.**
Available items differ according to the type of Bluetooth Audio device. Similar operations are repeated until the track list is displayed.
- 5 **Select the track.**
Play begins from the selected track. Touching  returns the screen to the screen in step 2.

Repeat/shuffle play

Notice

- For this function, only Bluetooth Audio that is compatible with AVRCP Ver1.3 or later can be used. With some types of Bluetooth Audio device, shuffle play sometimes is not possible.

- 1 **MENU** ► **BT Audio**
 - 2 **Touch the Trick Play key** ►
Select the desired item.
- Trick Play key
- 

- : Only the track currently being played is repeated.
- : All tracks in the group currently being played are repeated.
- : All tracks in the Bluetooth Audio device are repeated.
- : All song shuffle or group shuffle is canceled.
- : All tracks in the group currently being played are played at random.
- : All tracks in the Bluetooth Audio disc are played at random.

- 3 **Touch the Trick Play key.**
The screen returns to the previous screen.

Viewing connected external devices (AUX)

Audio and video from external devices connected to the AUX terminal can be played on the unit by switching the audio mode to AUX1 or AUX2.

WARNING

- If the driver wants to view TV or video, he or she should always stop at a safe place before doing so.

Preparations

- The following cables are required for connecting external devices to the unit. (When using AUX1)
 - CCA-772 (3.5 mm AV mini plug-RCA[L/R/V] cable) or 3.5 mm stereo mini plug cable
- (When using AUX2)
 - VTR cable

Attention

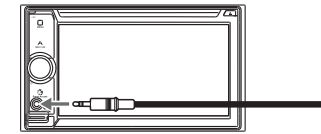
- Do not leave connected external devices inside the vehicle. The inside of the vehicle gets hot under the blazing sun, for example, and might cause them to malfunction.

Notice

- For safety's sake, view TV or video images only when the vehicle has stopped. While you are driving, you can enjoy only audio.

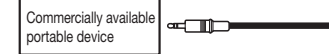
Connecting external devices

<Connection example> When using AUX1

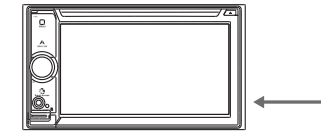


* The illustrations for the main unit are of the NX603.

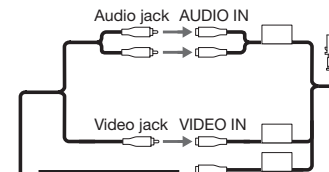
(Example: For audio)
3.5 mm AV mini plug cable (sold separately)



<Connection example> When using AUX2



* The illustrations for the main unit are of the NX603.



Commercially available portable device VTR cable

— MEMO —

- Also refer to the User's Manual for the connected external device.
- External input connector jack
 - A 3.5 mm dia. stereo mini plug can be connected. Thoroughly read the User's Manual for the audio cable (without resistor) and the device to be connected.
 - Use the battery, etc. provided with the device as the power supply for that device. Using an external device while it is being charged by the accessory socket on the vehicle sometimes causes noise.
- The screen momentarily turns black when switching between the audio and video modes. However, this is not a malfunction.

Listening to video from external devices

- 1 **MENU** ▶ **AUX1** or **AUX2**
- 2 **Touch the screen** ▶ **Audio**
- 3 **Operate the external device.**
Audio is played.

Watching video from external devices

- 1 **MENU** ▶ **AUX1** or **AUX2**
- 2 **Video**
- 3 **Operate the external device.**
Video and audio are played.

— MEMO —

- While linked to a smartphone, the smartphone application screen is displayed though it cannot be operated on by touch operations. When using Smartphone linking, see "Using Smart Access." → P.33

Setting external device listening

Compensating for volume differences

Compensate for volume difference that occurs depending on the type of connected external device.

- 1 **MENU**
- 2 **AUX1** or **AUX2**
- 3 **Touch the screen** ▶
- 4 **Audio Level**
- 5 **Select the audio level.**
- 6 **Close**
- 7 **Back**

The level is adjusted to the adjusted volume.

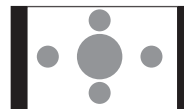
Switching the screen size

— Notice —

- When the screen size is switched, the image sometimes appears different from the original video image.

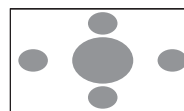
- 1 **MENU**
- 2 **AUX1** or **AUX2**
- 3 **Touch the screen** ▶
- 4 **Display Mode**
- 5 **Select the screen display size.**

Normal:



Video is displayed in the center of the screen with its aspect ratio held intact. When the size of the video and screen differ, excess parts of the screen are displayed in black.

Full:



The video is displayed to fit the entire screen. When the size of the video and screen differ, the aspect ratio of the video is displayed altered.

Cinema:



This is used when displaying cinema scope size or vista size video on a regular TV. When the size of the video and screen differ, the horizontal size of the video is displayed to match the horizontal and vertical size of the screen. Unused parts at the top and bottom are displayed in black.

- 6 **Close**
- 7 **Back**

The screen is displayed at the selected size.

Adjusting image quality

- 1 **MENU**
- 2 **AUX1** or **AUX2**
- 3 **Touch the screen** ▶
- 4 **Setup** at **[Display Adjustment]**
- 5 **-** or **+** of item to adjust
Adjust the image quality while viewing the video image on screen.
- 6 **Back**

This sets the newly adjusted image setting. Image quality adjustments can be set for both the day and night screens.

Listening to Pandora Internet radio

Pandora is an Internet radio service that lets users rate songs as they are played and then selects songs that the user should like. Pandora is not a station that broadcasts, however it is called a station. Users can make their own stations and import stations made by other users.


Playing stations

Preparations

- Install the Pandora application on your smartphone.
- Connect the smartphone to the unit using the USB cable.

Notice

- When there are no stations in the station list, Pandora cannot be operated on the unit. Make a station on the smartphone first so that it can be operated on the unit.

- 1 **Start up Pandora Radio on the smartphone.**
- 2 **MENU** ▶ **Pandora Radio**
- 3 
- 4 **Select the station you want to listen to.**

The station is sorted in date order or alphabetical order.

The screen returns to the screen in step 2.



This is shared with two or more users. Displayed in the case of a station.

If a station is selected on the smartphone, it is played at step 2. Multiple tunes in the station can be played at random by touching **QuickMix** at the top of the station list.

Pausing play

- 1 **Touch  while music is playing.** If  is touched during a pause, play is resumed.

Skipping the tune being played

You can skip the tune that is currently being played. Up to six tunes can be skipped in each hour on each station.





Notice



- Free users can skip 12 times in one day as the total of all stations.
- Skipped stations are not played for about the next four hours on all stations.

- 1 **Touch  while music is playing.**
The next tune is played.

Rating the tune currently being played

You can rate the tune that is currently being played.

- 1 **While playing,  or .**
 - : Gives a tune a high score. Tunes with a similar melody are more likely to be played.
 - : Gives a tune a low rating. Tunes with a similar melody are less likely to be played. Also, tunes with a low rating are skipped and are less likely to be played from that station.


 and  are displayed for tunes that have been rated. Tunes can be rated any number of times.

Registering the tune being played to a bookmark list

Tunes or artists that are currently being played can be registered to Pandora bookmarks.

Notice

- The bookmark list cannot be displayed on the unit. Display it on the smartphone.

- 1 **While playing, .**
- 2 **Select the item.**

Track:

This registers the tune currently being played to the tune bookmark list.

Artist:

This registers the artist of the tune currently being played to the artist bookmark list.


Editing stations

Making stations

You can make stations associated with the tune or artist you are currently listening to.

Notice

- If a station with the same name is already registered, the station playing is switched, though the new station is not registered.

- 1 **MENU** ▶ **Pandora Radio**
- 2 
- 3 **New Station**

4 Select the station.

From Track:

The station is made using the name of the track currently being played. The station will play tunes associated with the tune currently being played.

From Artist:

The station is made using the name of the artist of the tune currently being played. The station will play tunes associated with the artist of the tune currently being played.

Deleting stations

1 **MENU** ► Pandora Radio

2 

3 **Delete Station**

4 **Select the station you want to delete** ► **OK**

Registering Bluetooth-compatible devices

Bluetooth-compatible devices such as cellphones can be registered so that incoming and outgoing telephone calls and audio can be played from the unit. If you use a Bluetooth-compatible cellphone, you can use hands free functions using Bluetooth without connecting a cable. For more information about connectable cellphones, visit Clarion's web site. <http://www.clarion.com/us/en/support/compatibility/bluetooth/index.html>

Preparations

- To use Bluetooth, the Bluetooth functions of the unit must be turned on. → P.40
When using a Bluetooth-compatible device, the device must be registered (paired) with the unit. → P.29

Notice

- While you are driving, selectable items are limited.

What is "Bluetooth"?

Bluetooth is a short-range wireless communications technology for portable information devices advocated by the Bluetooth SIG trade association. Communications between Bluetooth-compatible devices is performed using radio waves in the 2.4 GHz band. Cellphones and audio devices that support Bluetooth can be connected for use on the unit.

To use each of the Bluetooth functions, you will need a cellphone that supports the following profiles:

Hands free calling

HFP (Hands-Free Profile)

Phonebook forwarding

OPP (Object Push Profile)

Phonebook forwarding and telephone call log, etc. synchronization

PBAP (Phone Book Access Profile)

Audio

A2DP (Advanced Audio Distribution Profile), AVRCP (Audio/Video Remote Control Profile)

Even if devices support Bluetooth profiles, phenomena sometimes occur where devices cannot connect to each other or display and operation are different because of their characteristics or specifications.

Registering cellphones (pairing)

When using a Bluetooth-compatible cellphone for the first time, the cellphone must be registered (paired) with the unit.

Notice

- Pairing cannot be executed while you are driving.
- Also, pairing sometimes cannot be executed if the Bluetooth function is not enabled on the cellphone, too. For details, refer to the User's Manual for the cellphone.
- During hands free operations (making outgoing calls, taking incoming calls, telephone calls), connection (telephone calls, communications) with other Bluetooth-compatible devices and pairing are not possible. Also, during hands free operation, audio sound is not output.

1 **MENU** ►  ► 

2 **Set** at [BT Devices Connection]

3 **ON** at [Connect with Bluetooth]

4 **Select the Bluetooth connection mode.**

Hands free:

Select this when using the cellphone only as a hands free phone.

(Hands free phone+)

Smartphone linking:

Select this when using the cellphone as a hands free phone and for Smartphone linking.

(Hands free phone+)

Playing music:

Select this when using the cellphone as a hands free phone and for Bluetooth Audio.

Smartphone linking:

Select this when using the cellphone for Smartphone linking.

Playing music:

Select this when using the cellphone only for Bluetooth Audio.

5 **OK**

6 **Select "CAR-BT" (default) from the cellphone, and enter the PIN "1234" (default).**

The cellphone searches for the unit to complete pairing.

When **MENU** ► **Phone** is next touched, the screen changes to the telephone number entry screen.

MEMO

- Entry of the PIN is not required on some cellphone models. Also, on some models, the PIN entered on the unit is the same as the PIN on the cellphone or the confirmation screen is displayed. When registering a device, follow the on-screen instructions.
- After pairing is completed, the operation of checking the connection is sometimes required on the cellphone.
- For details on operations to perform on the cellphone, refer to the User's Manual for the cellphone.
- With some connected cellphones, numerical values for the cellphone's reception sensitivity and remaining battery power displayed on the unit sometimes do not match actual cellphone values.
- Up to five Bluetooth-compatible devices can be paired. To pair a sixth device, an already registered Bluetooth-compatible device must be deleted. → P.30
- For details on how to register Bluetooth-compatible devices to cellphones, refer to the User's Manual for the cellphone.
- The name of the device and the PIN can be changed.
- Connections sometimes are not made automatically if the cellphone is not set as "Waiting for connection" or the cellphone is not in a standby state. For details, refer to the User's Manual for the cellphone.
- Reconnection is automatically retried if the connection is broken, such as if the Bluetooth-compatible cellphone is too far away.



- Problems on some cellphones sometimes cause communication errors or prevent operations from being performed or displayed properly. If this happens, switch the Bluetooth functions off then back on again. (Default: OFF)
- When switching the Bluetooth functions on the cellphone off then back on again, do the same for the Bluetooth functions on the unit.
- When Bluetooth functions are turned off, Bluetooth functions on the unit cannot be operated. Also, connection to and operations of the unit from Bluetooth-compatible cellphones are no longer possible.

Switching the connected cellphone

When two or more Bluetooth-compatible devices are registered to the unit, the device to be connected can be switched.

Notice

- Though up to five Bluetooth-compatible devices can be paired, only one can be connected to at any one time.




- 1 **MENU** ►  ► 
- 2 **Set** at **[BT Devices Connection]**
- 3 **Select** for the device to be switched
- 4 **Select the Bluetooth connection mode** ► **OK**
The screen switches to the telephone call screen.

MEMO

- When a cellphone currently in use is switched, the device information including the incoming/outgoing calls log also is switched to the information of the other cellphone that you switched to.
- When a cellphone is restarted, some cellphones sometimes are not automatically switched to. If the cellphone is not automatically switched to, select the cellphone that you want to connect to by this operation.

Deleting registered cellphones

You can delete the information of paired Bluetooth-compatible devices.

- 1 **MENU** ►  ► 
- 2 **Set** at **[BT Devices Connection]**
- 3  for the device you want to delete
- 4 **OK**

MEMO

- Bluetooth Audio devices other than cellphones also can be deleted.
- When the registration information of a cellphone is deleted, the incoming/outgoing calls log and phonebook information of the corresponding cellphone also are deleted.
- When the unit is turned off while cellphone registration information is being deleted, the information sometimes cannot be deleted. If this happens, turn the unit on and try deleting the information again.

Using cellphones**Attention**

- Do not leave cellphones inside the vehicle. The inside of the vehicle gets hot under the blazing sun, for example, and might cause them to malfunction.

Screen during a telephone call

The following screen is displayed during a telephone call:

Screen during a telephone call

This displays the option screen.



This mutes the phone outgoing volume.



This switches to telephone calls on the cellphone unit. Private call operation is sometimes not switched to depending on the cellphone you are using.



This ends the telephone call.



When the number entry screen is displayed, enter the numbers for the password, etc. during the telephone call.

Pressing **NAV AV** during a telephone call switches the screen as follows. With this screen displayed as it is, operations such as searching for a destination can be performed.

Map screen during a telephone call

The call is disconnected and the current position is displayed.



The call time, name of other party or telephone number is displayed.

This switches to telephone calls on the cellphone unit.

This toggles the telephone control bar between display and hide.

MEMO

- With some cellphone models, incoming calls are automatically rejected when there is an incoming call from a third party during a telephone call. The incoming calls log is not saved.
- When the vehicle moves outside the cellphone service area during a telephone call (i.e. to an area where radio waves cannot be received), the line will be disconnected.
- During hands free telephone calls, the audio source cannot be switched or selected.
- It may not be possible to make or receive calls unless the cellphone is in standby.

Entering a number to make a call

Attention

- While you are driving, you cannot enter telephone numbers to make a call. Always stop at a safe location before making a telephone call.

Notice

- Always input the area code when calling a land-line phone.
- With some cellphones, you may not be able to redial immediately after hanging up a call you dialed. Wait a while before dialing the number again.

- 1 **MENU** ▶ **Phone**
- 2 **Enter the telephone number.**

3



The telephone number is dialed and the other party is called.



The call is stopped if this is touched while you are calling the other party.

4

To end a telephone call

This disconnects the call and returns you to the screen before you made the call.

The telephone number you called, name (when registered to the phonebook) and dial date/time are saved as the outgoing calls log. Only the latest call log is shown for the same phone numbers.

Making calls from the outgoing/incoming calls log

Notice

- You cannot make calls from the incoming calls log when the incoming call was from a withheld number.

- 1 **MENU** ▶ **Phone**
- 2
- 3 **Incoming Calls** or **Outgoing Calls**
- 4 **Select the other party you want to dial.**
- 5 **Call**
The registered telephone number is dialed and the call is made.

MEMO

- The latest ten calls recorded on the unit are displayed in the incoming/outgoing calls log.
- In the case of telephone numbers registered to the phonebook, the registered names are displayed.

Deleting the incoming/outgoing calls log

- 1 **MENU** ▶ **Phone**
- 2
- 3 **Incoming Calls** or **Outgoing Calls**
- 4 **Delete All**
- 5 **OK**
The entire outgoing call log or incoming call log is deleted.


Registering a phonebook

You can register the phonebook on a cellphone in advance to the unit, and make calls from there.

To register the phonebook on a cellphone, use the phonebook download function on the cellphone. With some cellphones, phonebooks cannot be downloaded. For details, refer to the User's Manual for the cellphone.


MEMO

- After a phonebook is downloaded, the cellphone connection is sometimes disconnected. If this happens, select the cellphone you want to connect to again from the telephone selection screen.

- 1 **MENU** ► **Phone**
- 2  ► **Handset Phonebook**
- 3 **Download memory**
The screen stands by to download the phonebook.
- 4 **Select the download method.**
Download Phonebook:
This downloads the phonebook data from a Bluetooth-compatible cellphone and overwrites and saves the phonebook data on the unit.
Note that the previous downloaded data is overwritten and can no longer be used.
Download 1 Entry:
This downloads the phonebook data from a Bluetooth-compatible cellphone and adds and saves this data to the phonebook data on the unit. Note that the previous downloaded data is not overwritten and can still be used.
Cancel:
This cancels the download and returns you to the previous screen.
- 5 **Download the phonebook from a cellphone.**
The phonebook of the currently selected cellphone is downloaded to the unit.


- **MEMO** —
- With some cellphone models, the operation of downloading the phonebook from the cellphone is not required.
 - Up to 1,000 phonebook entries can be registered per cellphone.
 - Up to five telephone numbers can be displayed for each name in the phonebook.
 - When downloading from a cellphone, even the same telephone numbers are always added and registered, and are not overwritten. Delete telephone numbers, as required.
 - The following types of icons are displayed in the telephone list:
Cellphones/General telephone/Home/Company/Others
 - The display order of the downloaded phonebook differs from the order displayed in the cellphone. Entries are sorted by their reading in kana, so confirm the number of the other party when dialing.

Making calls from the phonebook

- 1 **MENU** ► **Phone**
- 2  ► **Handset Phonebook**
- 3 **Select the name.**
- 4 **Select the telephone number.**
- 5 **Call**
The registered telephone number is dialed and the call is made.

- **MEMO** —
- For details on how to register phonebooks, see "Registering phonebooks." → P.31

Deleting phonebook data



- 1 **MENU** ► **Phone**
- 2  ► **Handset Phonebook**
- 3 **Delete All**
- 4 **OK**
All of the phonebook data is deleted.


Receiving telephone calls

When a cellphone connected to the unit receives an incoming call, the incoming call screen is displayed.


CAUTION

- **When you receive a call while you are driving, be sure to check the safety around you before taking the call.**

- 1 **When you have an incoming call**
:
Put your response on hold.
:
Touching this during an incoming call, rejects the call.

- 2 **To end a telephone call** 
This disconnects the call and returns you to the previous screen.
The telephone number of the incoming call, name (when registered to the phonebook) and incoming date/time are saved as the incoming calls log.

Setting the call volume

- 1 **MENU** ► **Phone** ► 
- 2 **Set the phone ringer volume, phone incoming volume and phone outgoing volume.**
The volume can be set to level 1 to 16. (Default: Level 4)

- **MEMO** —
- When the volume is adjusted while you are making a telephone call, calls can be made at the original volume when the next telephone call is received or made even though other audio sources are switched to and the volume is changed.

Using Smart Access

Smart Access is a telematics service provided by Clarion so that all automobile users can enjoy comfortable, safe and convenient driving.

By “linking” vehicles to Smart Access by smartphone, etc., Smart Access provides customers in vehicles with various conveniences such as entertainment, driving related information and Internet information.

What is Smartphone linking?

You can connect the unit to your smartphone and operate the various applications that run on your smartphone from the unit.

For example, you can output audio that is played from the speakers connected to the unit or display images displayed in applications on the unit. This is called “Smartphone linking.”

The following lists the smartphones that can be linked to the unit:

- Covered models: iPhone 4, iPhone 4S, Android smartphones

* iPhone and iPad other than the above are not supported.

- Covered OS: iOS 5 or later, Android OS4.0 or later (as of January 2013)

Also, with this function, only applications compatible with Smartphone linking can be used. This User’s Manual refers to these as “linking-compatible applications.”

— Attention —

- Use of Smartphone linking function is charged to smartphone communications fees. Charges are borne by the person contracted to the smartphone being used. Charges billed from the cellphone carrier may be expensive depending on the method of use. Before use, check the price plans and methods of use with the cellphone carrier you are contracted to. We recommend using the optimum price plan, such as a flat-rate data plan based on the frequency of use.

— Notice —

- While you are driving, some applications cannot be operated so as to prevent obstruction to driving.
- Information content that is distributed in real time belongs to third parties having the rights concerned. The content of services might be changed or suspended for reasons of third parties having the rights concerned.

Linking-compatible applications

To use Smartphone linking, linking-compatible applications and application management software “Smart Access” must be installed on the software.

First, search for “Smart Access” from the App Store or Google Play Store and install this.

Next, install the linking-compatible applications. Start up Smart Access on the smartphone and download the linking-compatible applications from recommended lists.

Linking-compatible applications are scheduled to be added as they become available.

For details on how to use applications, refer to the Help for each application that is started up on the smartphone.

Procedure up to Smartphone linking

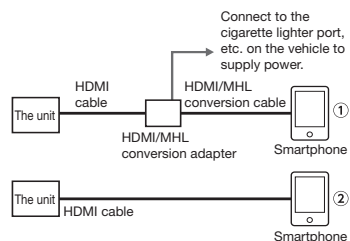
The Smartphone linking procedure is as follows.

(For iPhone)

1. **Start up Smart Access on the smartphone.**
2. **Connect the unit to the smartphone.** Use CCA-750 (sold separately) and VTR cable.
3. **Start Smartphone linking on the unit.**

(For Android smartphones)

1. **Start up Smart Access on the smartphone.**
2. **Connect the unit to the smartphone.** There are two methods of connection as follows depending on the smartphone model.



— Attention —

- For the HDMI/MHL conversion adapter, only an adapter that supports EDID transfer can be used.

Connect a smartphone that supports the following Bluetooth profile via Bluetooth for use.

- SPP (Serial Port Profile)
 - HID (Human Interface Device Profile)
3. **Start Smartphone linking on the unit.**

Starting up applications

— Notice —

- The unit sometimes does not support smartphone multi-touch or flicking functions.
- Applications cannot be added or deleted from the unit. Execute addition or deletion of applications on the smartphone.
- During Smartphone linking, do not set the smartphone to a sleep state. Doing so might prevent the smartphone from functioning properly.

— MEMO —

- When Smart Access is used for the first time, the Terms of Use confirmation screen is displayed. Check the terms of use, and touch **Check**.
- “!” will be displayed when there is a new version of Smart Access available. To update Smart Access, remove the smartphone from the unit, and execute the update by operating the application on the smartphone.

For iPhone

Preparations

- Set the iPod connection method to “USB + VTR”. → P.24
- Set “Device:In-car-device LNK” in the Settings menu to “iPhone”. → P.41
- Start up Smart Access on the smartphone.

Notice

- During Smartphone linking, operations on the smartphone are not possible.

1 Connect the smartphone to the unit.

Connect iPhones with the video jack of CCA-750 (sold separately) still connected to the VTR cable.

2 Smart Access , or

MENU ▶ **Smart Access**

Start up Smart Access. The list of linking-related applications installed on the smartphone is displayed. When an application is started up on the smartphone, the screen is switched to the application screen.

3 Select the application you want to start up.

The application starts up. The application can be operated from screens on the unit as if you are operating the smartphone.

To end an application, touch **MENU** ▶ **Smart Access** .

For Android smartphones**Preparations**

- Set "Device:In-car-device LNK" in the Settings menu to "Android". → P.41
- Register (pair) the smartphone to the unit. → P.29
- Start up Smart Access on the smartphone.

MEMO

- With some smartphone models, the HDMI output setting on the smartphone must be enabled.
- When you connect an Android smartphone, the unit can display pictures of the following formats by Smartphone linking.
 - the HDMI output resolution of smartphones:
480p (720×480/640×480), 576p (720×576)

1 Connect the smartphone to the unit.

Connect the smartphone by HDMI cable and enable the connection via Bluetooth. → P.29

From here on, operations are the same as from step 2 of the procedure for "For iPhones".

Correcting the touch position on screen (Android smartphones only)

During Smartphone linking, the positions of keys displayed on the unit is sometimes deviate from the actual touch position because of different resolutions on the unit and the smartphone. This deviation can be automatically corrected by the following procedure.

1 During Smartphone linking Smart Access.

The side menu is displayed.

2

The screen returns to the application list screen.



The screen returns to the immediately previous screen when the screen is not the application list screen.



This hides the side menu.

3 Yes

No: This cancels correction of the touch position.

Reset to Factory Setting:

This resets the touch positions after correction to their factory settings.

4 Touch the + mark at the top left of the screen.**5 Touch the + mark at the bottom right of the screen.**

This completes correction of the touch position.

Ending Smartphone linking**1 MENU****2 Disconnect CCA-750 or HDMI cable.****Using a remote control (sold separately)****Cautions during remote control operations**

Pay attention to the following points when using the remote control.

- The remote control sometimes cannot be operated when direct sunlight is striking the remote control sensor on the unit. In instances like this, block off the direct sunlight to operate the remote control.
- Do not leave the remote control in places that get hot, such as the dashboard in direct sunlight. Doing so might result in the main unit becoming deformed, the batteries leaking or other malfunctions.
- When the emission distance of the remote control gets shorter or its operable range gets narrower, replace the batteries inside the remote control.
- When the remote control is not to be used for at least a month, remove the batteries from inside the remote control to prevent battery leakage. If the battery has leaked, wipe off the liquid thoroughly and replace the battery.

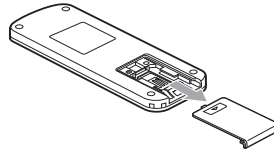
Battery related precautions

- Use only the specified battery. Do not use other batteries.
Doing so might cause the battery to burst or leak, or cause fire or injury, and contaminate the surrounding area.
- When inserting the battery into the remote control, pay attention to polarity (+ and - pole) and insert it as instructed.
Failure to follow instructions might cause the battery to burst or leak, or cause injury, and contaminate the surrounding area.
- Do not heat or disassemble the battery, or put it in fire or water.
Doing so might cause the battery to burst or leak, or cause fire or injury.
- Do not carry the battery around or store it together with metal ballpoint pens, necklaces, coins, or other metal objects.
Doing so might cause the battery to burst or leak, or cause fire or injury.
- Dispose of used batteries according to predetermined methods and at predetermined locations.
- Do not leave the battery provided with the remote control within the reach of small children or infants.
They might swallow them by mistake. If you think that a small child or infant has swallowed a battery, immediately consult a physician.

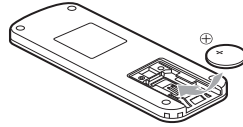
Replacing the battery

- **Notice** —
- When using the remote control for the first time, insert the battery provided with the remote control.

1 Open the battery compartment cover and remove the battery.



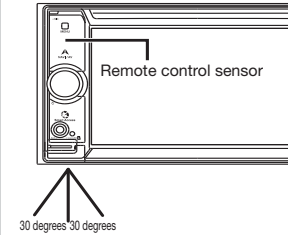
2 Insert the new lithium cell (CR2032) with the + mark face up, and close the battery compartment cover.



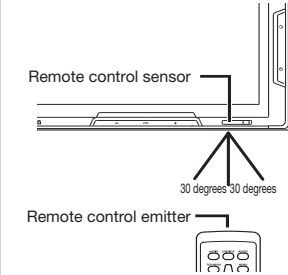
How to use the remote control

1 Operate the remote control with it pointed at the remote control sensor on the unit.

NX603

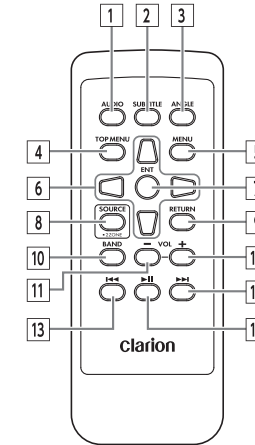


FX503



Operate the remote control with its emitter pointed at the remote control sensor within a range 30 degrees above, below, left and right of the sensor.

Names and functions of remote control parts



- **Notice** —
- On the FX503, available buttons are as follows:
 - SOURCE, BAND, VOL-, VOL+, ,
 - During telephone calls and when AUX is selected, these cannot be operated.

- 1 **AUDIO** button
This switches the audio language of DVD video and DivX.
- 2 **SUB TITLE** button
This switches the subtitle language of DVD video and DivX.
- 3 **ANGLE** button
This switches the multi angle setting of DVD video.

4 **TOP MENU** button

This displays the top menu screen of DVD video.

5 **MENU** button

This displays the top menu screen of DVD video.

6 **direction** button

This selects items in the DVD video menu screen and top menu screen.

7 **ENTER** button

This determines items selected in the DVD video menu screen and top menu screen.

8 **SOURCE** button

This switches the source of the audio mode.

When the unit is turned off, this turns the power on.

Keeping this button held down switches the audio power supply on and off.

9 **RETURN** button

This returns you to the immediately previous screen in the DVD video menu screen and top menu screen.

* The ZZONE function cannot be used with the unit.

10 **BAND** button

This switches the tuner FM and AM bands.

11 **VOL-** button

This lowers the volume.

12 **VOL+** button

This raises the volume.

13 **◀◀** button

With Radio/SiriusXM Satellite Radio:

Preset channel increment

Long press time:

Channel seek increment

When other audio sources are selected^{*1}:

Track/chapter increment, track/chapter rewind

14 **▶▶** button

This pauses play of DVD video and DivX. If this button is pressed during a pause, play is resumed from the place where it was stopped.

Long press time:

This resume stops DVD video and DivX.

If this button is long pressed during a resume stop, play is completely stopped.

15 **▶▶** button

With Radio/SiriusXM Satellite Radio:

Preset channel decrement

Long press time:

Channel seek decrement

When other audio sources are selected^{*1,*2}:

Track/chapter decrement, track/chapter fast forward

* 1 With DVDs, keys other than on the disc menu cannot be operated on the remote control. Touch the unit to operate them.

* 2 With DVDs, slow play during a pause is possible by pressing **▶▶**.

Using the rear camera

When the rear color camera (sold separately) is connected to the unit, the rear of the vehicle can be viewed on the monitor. Consult your dealer before buying the rear color camera (sold separately).

⚠ WARNING

- Never reverse the vehicle while viewing only the monitor screen. Be sure to check the safety of the area around the vehicle directly with your eyes and drive at a slow speed.
- Before adjusting the image quality and adjusting, for example, the guide display, be sure to stop the vehicle at a safe place and then proceed with these operations.

— Notice

- The range projected by the rear camera is limited. Also, the guides displayed on the rear camera screen sometimes differ from the actual vehicle width and actual distance between cars. (Guides are straight lines.)
- Use the image in the rear camera as an aid for checking for obstructions, etc. The quality of the projected image might get worse when water droplets, etc. adhere to the camera.
- Be sure to adjust the guides to match the car you are driving when the guides are displayed.

Image in the rear camera

- Actual distances and the impression from the image in the rear camera is different since it uses a wide-angle lens.
- The image in the rear camera is a mirror

image. A “mirror image” is an image obtained by inverting the left and right of an image like in a rear mirror or side mirror on a vehicle.

- The image in the rear camera cannot be seen or is difficult to view at night or in dark locations.
- The camera is in a drip-proof sealed structure to prevent condensation on the lens.
- Never loosen the screws on the camera body or disassemble the camera. This will impair the drip-proof performance and cause malfunction, etc.
- Clear images cannot be obtained when the lens front cover is dirty. When water droplets, snow, mud, etc. is adhering to the cover, wipe the cover clean with a soft cloth, for example, moistened with water. Wiping the lens cover firmly with dry cloth, for example, with dirt, etc. still on the cover will sometimes scratch it.

Displaying the image in the rear camera

— Notice

- The guides can be displayed and adjusted only when the gear lever is at **R** (reverse).

1 Turn the engine key to the “ON” position.

2 Set the gear lever to **R** (reverse).

The display switches to the image in the rear camera.

Display priority is given to the image in the rear camera even when audio-related items are displayed.

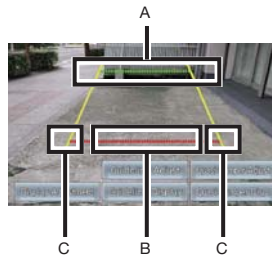
Only volume adjustment by the rotary volume key (NX603) **VOL+**, **VOL-** (FX503) can be operated during camera display.

Adjusting the image quality of the rear camera

- 1 **Touch the screen while the rear camera image is displayed.**
- 2 **Display Adjustment**
If five seconds elapses without you touching the screen, **Display Adjustment** will be hidden.
- 3 **+ or - of item to adjust**
Adjust the image quality while viewing the video image on screen.
- 4 **Back**
This sets the newly adjusted image setting.
Image quality adjustments can be set for both the day and night screens.

Displaying guidelines

- 1 **Touch the screen while the rear camera image is displayed.**
- 2 **Guideline Display**
If five seconds elapses without you touching the screen, **Guideline Display** will be hidden.
- 3 **Check**
The guidelines are displayed.



- A: Position about 6.6 ft (2 m) from the rear end of the vehicle
 B: Position about 20 in (50 cm) from the rear end of the vehicle
 C: Approximately vehicle width + 8 in (20 cm)

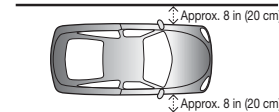
Adjusting the guidelines

When adjusting guidelines, marks must be drawn on the ground. Prepare tools for drawing lines on the ground, such as duct tape. Also, be sure to do the adjustments to match the car you drive.

⚠ WARNING

- Before adjusting the guidelines, stop at a safe location.
- Before getting out of the vehicle and marking the ground, be sure to turn the engine key to the "OFF" position.
- Remember that guidelines are solely for reference. During actual driving, be sure to check the safety of the area around you yourself.

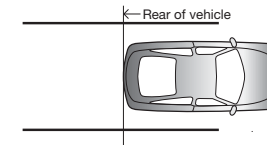
- 1 **Mark straight marks on the ground at vehicle width + about 8 in (20 cm) positions.**



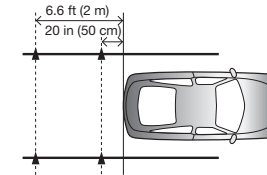
MEMO

- Mark on both sides of the vehicle using packaging or similar tape.
- Make the marks slightly longer than the length of the vehicle.

- 2 **Drive the vehicle forward by about 8.2 ft (2.5 m), and mark straight lines at the rear of the vehicle.**



- 3 **Mark four locations on the left and right 20 in (50 cm) and 6.6 ft (2 m) away from the marks you made in step 2.**



MEMO

- We recommend making an X mark using packaging or similar tape that is easily visible from the driver's seat.

- 4 **Display the guidelines → P.37**

- 5 **Guideline Adjust**

- 6 **Select the four guideline points you want to adjust.**

7



Align the marks you made in step 3.

— **MEMO**

- Continuously holding down , , , allows you to move all the guide points together.

8

Repeat steps 6 and 7 to align all guide points with the marks you made in step 3.

9

Back

This saves the settings and displays the regular image in the rear camera.

Displaying the quasi bumper line

The rear bumper is sometimes not displayed in the rear camera image depending on where the rear camera is installed. In cases like this, you can display a quasi bumper line so that you can park your vehicle while checking the position of the rear bumper in a quasi manner.

1

Touch the screen while the rear camera image is displayed.

2

Quasi Bumper Disp.

If five seconds elapses without you touching the screen, **Quasi Bumper Disp.** will be hidden.

3

Check

The quasi bumper line is displayed.

Adjusting the quasi bumper line

When adjusting the quasi bumper line, marks must be drawn on the ground. Prepare tools for drawing lines on the ground, such as duct tape.

WARNING

- Before adjusting the quasi bumper line, first stop at a safe location.
- Before getting out of the vehicle and marking the ground, be sure to turn the engine key to the “OFF” position.
- Remember that the quasi bumper line is solely for reference. During actual driving, be sure to check the safety of the area around you yourself.

1

Mark straight marks on the ground at the vehicle rear + 8 in (20 cm) position.

2

Display the quasi bumper line.

3

Quasi Bumper Adjust

4



Adjust the upper and lower positions of the quasi bumper lines to match the mark made in step 1.

5

Back

This saves the settings and displays the regular image in the rear camera.

Using the rear seat monitor

Passengers can also enjoy video in the rear seats if you install an additional rear seat monitor (sold separately).

Preparations

- To connect a rear seat monitor to the unit, the rear seat monitor and rear seat monitor installation attachment are required.

— **Attention**

- Install the rear seat monitor at a location where the driver cannot see video images while he or she is driving.

Video images displayable on the rear seat monitor

The following video images can be displayed on the rear seat monitor. Note, however, that the control bar and other aids are not displayed on the rear seat monitor. Video images are displayed regardless of whether or not you are driving or the car has stopped.

- DVD/DivX
- AUX
- iPod video

Nothing will be displayed on the rear seat monitor if a source other than DVD, DivX, AUX, and iPod video is selected.

The image currently being played is displayed on the rear seat monitor even while the navigation screen is displayed on the unit's screen.

Various settings

You can set various operations, sound quality and video image quality relating to the unit.

— **Notice**

- While you are driving, selectable items are limited.

Making general settings for the unit

1



System Language:

This switches the language of text that is displayed in screens and messages. (Default: English)
When the language is switched, the unit is automatically restarted and the language is switched to the newly selected language. Navigation screens are dependent on the language setting of the navigation. (NX603 only) → “Owner’s manual - Navigation”

Main Menu Icons:

This switches the icon display of the main menu screen. (Default: Simple)

When **Active** is selected, the icons in the main menu become animated. When **Simple** is selected, the icons become still images.

Shortcut Menu:

This assigns frequently used functions to shortcut keys. → P.39

Illumination Color:

This sets the illumination color of the operation panel. (NX603 only)
→ P.39

Button Beeps:

This selects whether or not to sound a beep when a button or a touch key is operated. (Default: ON)

Time:

This manually adjusts the time in 1-minute units. (FX503 only)
The adjustable range is -59 mins to +59 mins.

Clock Format (24h):

This switches the clock display format between the 24-hour display and 12-hour display. (Default: ON)

Antitheft Indicator:

When the engine key is turned off, the illumination on the unit blinks to indicate that the antitheft function is activated. (Default: OFF)

Antitheft Activation:

Security functions are activated if the main unit is stolen, once it is removed a password must be input to start it. (Default: OFF)

Change antitheft PW:

This is for changing the antitheft activation password. → P.39

System Software:

This is for displaying the software version and product information on the unit and for updating the program.

Check connectivity:

Check the connectivity of various devices with the unit.
When the connectivity is confirmed, **OK** is displayed on the list screen.

Reset to Factory Setting:

This returns the data and settings on the unit to their factory defaults.
→ P.52

Setting the Shortcut Menu

1 **MENU** ►  ► 

2 **Shortcut Menu**

3 **Drag the icon you want to register to the shortcut keys to the shortcut key registration area.**

With your finger touching the icon, do not release your finger and slide the icon across the screen to where you want to register it and then take your finger away from the screen. This operation is called dragging.



Shortcut registration area

The icon you dragged is registered to the shortcut keys. (max.5 icons)

Setting the illumination display color on the control panel (NX603 only)

1 **MENU** ►  ► 

2 **Illumination Color**

3 **Select the color.**

Color1 - Color9:
Select from the prepared colors.

Scan:
Switch the illumination display color on the operation panel in order Color1 to 9.

This sets the desired illumination color.

1 **MENU** ►  ► 

2 **Illumination Color**

3 **User 1 , User 2 , or User 3**

4 **Adjust**

5 **Set the illumination display color.**

Set the color on the color palette or by adjusting the numerical values.
The colors you have set can be checked in the Sample area.

Reset to Factory Setting:

This resets the settings to their factory defaults.

From the next operation onwards, the same settings can be accessed at step 3.

Setting the password for antitheft activation**— Attention —**

- When the unit is transferred or resold, be sure to cancel the password.
- If you enter the wrong password three times, entry of the password is disabled for a fixed period of time. Make a note of the password and keep it in a safe place so you do not forget it.

1 **MENU** ►  ► 

2 **Antitheft Activation**

3 **Read the precautions** ► **Check**

4 **Enter the 4-digit password**
► **OK**

5 **Enter the password again** ► **OK**
A message is displayed and the password is saved.

To change the password, touch **Change antitheft PW**, enter the password and enter it again.

To cancel the Antitheft Activation setting, touch **Antitheft Activation** and enter the password.

Making Bluetooth settings



- 2 **Set the Bluetooth connection using the keys.**

BT Devices Connection:

This toggles the Bluetooth function on/off, and registers, switches and deletes Bluetooth-compatible devices. → P.29

In-Car-Device setting:

Renames the device already set to the unit and changes the PIN. → P.40

Renaming devices and changing the PIN

— Notice

- Device addresses cannot be changed.



- 2 **Set at [In-Car-Device setting]**

- 3 **Name** or **PIN**

- 4 **Enter the new name (default: CAR-BT) or PIN (default: 1234).**

- 5 **Set**

Setting sound quality

Make sound quality related settings.



- 2 **Set sound quality using the keys.**

Balance/Fader:

This adjusts the volume balance of the speakers at the front, back, left, and right. (Default: 0) → P.40

Loudness:

This enhances treble and bass to suit the volume. (Default: OFF)

Graphic Equalizer:

This is for selecting the desired sound quality from the preset sound quality effects memory. (Default: Flat) → P.40
Create and save a sound quality effects memory. → P.40

Sound Restorer:

Interpolating the treble region of compressed audio brings the sound quality closer to the original sound before it was compressed. (Default: OFF)

Volume Smoother:

This detects differences in volume level based on the source being played and differences in level in each scene in a film, and automatically adjusts the volume level. (Default: OFF) → P.41

Virtual Bass:

Adding a bass component in the bass region enhances bass to enable a richer bass sound. (Default: OFF)

Vocal Image Control:

Adjusting vocal volume balance moves the vocal image to the front, back, left, and right. (Default: 0) → P.40

Sub Woofer Control:

This adjusts the output level of a connected sub woofer speaker. (Default: 0)

High Pass Filter:

This sets the cutoff frequency of the high pass filter for the front and rear speakers. (Default: Through)

Low Pass Filter:

This sets the cutoff frequency of the low pass filter for the sub woofer. (Default: 120Hz)

Adjusting speaker volume balance and vocal volume balance

Balance/Fader adjusts the overall volume balance. Vocal Image Control adjusts vocal which is oriented in the center of the stereo sound source and the volume balance of components such as main musical instruments. Use these settings to adjust the left/right balance and depth of vocals to suit the speaker configuration and number of passengers.



- 2 **Balance/Fader**
or **Vocal Image Control**

- 3 **Touch and set**  ,  ,  , and 

Reset to Factory Setting:

This returns the currently set adjustment settings (volume balance or Vocal Image Control) to their factory settings.

Selecting and setting sound quality effects memory

You can select and set your preferred sound quality



- 2 **Graphic Equalizer**

- 3 **Select the sound quality.**

Bass.B:

Enhances bass.

High.B:

Enhances treble.

Acoustic:

Enhances the mid level (human voice).

Impact:

Enhances the low and high regions.

Smooth:

Creates a soft, gentle feel.

Flat:

Turns the sound source and equalizer off.

Setting preferred sound quality effects



- 2 **Graphic Equalizer**

- 3 **User 1** , **User 2** , or **User 3**

- 4 **Adjust**

5 Set the sound quality effect.



This adjusts the band setting for each of the base, mid and treble regions.

Reset to Factory Setting:

This resets the settings of each band to "0".
From the next operation onwards, the same settings can be accessed at step 3.

Adjust the Volume Smoother

Volume Smoother functions to automatically adjust differences in volume level of all kinds of music sources and scenes and compensate volume. When Volume Smoother is on, the volume level in audibility of audio signals is monitored and adjusted at all times, and differences in volume level are suppressed to a fixed range to enhance listening pleasure. Differences in audio level occur in the following kinds of instances:

- Difference in audio level between listening to CDs and the radio
- Difference in audio level between quiet scenes and scenes with loud noises such as explosion scenes when watching films on DVD, etc.

When Volume Smoother is on, each source can be listened to even in the above cases at an easy-to-listen volume level without having to operate the volume level. The "volume compensation" effect can be altered by adjusting the Volume Smoother level. The volume compensation effect is increased in the order "Low"→"Mid"→"High".



2 Volume Smoother

3 OFF, Low, Mid, or High

4 Close

The Volume Smoother level is adjusted.

MEMO

- When listening to sources such as DVDs having a large difference in volume level, we recommend setting the Volume Smoother level to "Mid" or "High".
- The Volume Smoother can be set to each of video sources and other sources. When a source is switched, the Volume Smoother is switched to the value set for the new source.

Setting screens



2 Set image quality using respective keys.

Day/Night Mode:

Switch to the day screen or night screen.

The screen can be made easier to view by manually switching to the day screen, for example, when the headlights are lit during the day and the screen is difficult to view. When **Auto** is selected, the screen automatically switches to the night screen when the parking light is lit.

MEMO

- When the engine key is turned to the "OFF" position then back to the "ON" position, **Auto** is set.

Brightness:

Adjust the image quality

by **+** or **-**.

Image quality adjustments can be set for both the day and night screens.

During Smartphone linking, the image quality of the smartphone application screen can be adjusted.

Other settings



2 Set the functions using respective keys.

DivX® VOD:

Displays the code required for setting DivX VOD content to a playable state (Register state) or unplayable state (Deregister state). (NX603 only) This also changes the state (Register state/Deregister state) of the device being played.

Device:In-car-device LNK:

Sets the OS of the smartphone to be connected when Smartphone linking is performed. (Default: iPhone)

Troubleshooting

The following kinds of symptoms sometimes are not malfunctions. First check the following points before you ask for repair of the unit.

Navigation related (NX603 only)

Symptom	Remedy
GPS reception is not displayed.	Connect the antenna cable if it is not connected.
	Reception can be enabled by removing obstructions, etc.
	Positioning is sometimes not possible when the placement of the satellite is poor.
	Display appears by driving the vehicle.
Own vehicle is out of position. (Other electrical components are attached)	Move attached electrical components sufficiently away from the unit and the GPS antenna wire.

Audio related

Symptom	Remedy	
Radio	There is lots of noise.	Tune to the correct frequency. → P.12
	Stations cannot be tuned to automatically.	Manually select the station. → P.12

CD/DVD/MP3/WMA (NX603 only)	No sound is output after a disc is inserted or the disc is immediately ejected.	Load the disc with its label surface face up. CDs recorded as CD-R/RW or copy-protected CDs sometimes cannot be used. Check the CD in use again. Finalize the disc so that it can be used. MIX MODE CDs cannot be played, eject them. 8 cm discs cannot be played, eject them.
	Cannot remove the disc even by pressing the eject button.	Consult your retailer.
	Skipping Sound contains noise.	The disc might be dirty. Wipe the disc with a dry cloth. Replace with an unscratched disc.
	No sound is output after the power is turned on.	There might be water drops on the lens inside. Leave with the power on for about one hour to let it dry.
	Cannot insert the disc.	Check to see if other discs are not loaded. → P.10
	Jumping/skipping of MP3/WMA	Change the encoder software and try recording again.
	MP3/WMA sound is poor.	Try recording at a higher sampling frequency or bitrate. → P.47
	MP3/WMA skipping	Play on a personal computer to see if skipping occurs.

CD/DVD/MP3/WMA (NX603 only)	Some files or folders cannot be played.	When making files, delete data sections other than music data. Playing is not possible when tunes are recorded to a folder having eight or more layers, or the number of folders exceeds the maximum of 255 (including roots) and the number of files exceeds 512 (maximum of 255 files in one folder).
	Incorrect display	Change the write setting to ISO9660-LV1 or LV2 and try writing again.
	MP3/WMA recorded to CD Extra cannot be played.	Play a CD to which an MP3/WMA file is written to the 1st session of the CD Extra.
	The "Disc read error." screen is displayed.	Load the disc with its label surface face up.
iPod	List is not displayed.	The list sometimes is not displayed since the number of items displayed in the list is limited. This is not a malfunction.
	iPod operations are not possible.	Cancel the USB connection, set the iPod to play, and reconnect it. Cancel the USB connection, reset the iPod, and reconnect it.
	iPod audio is not output.	Perform operations from the iPod, and switch the settings (audio output) from Bluetooth (CAR-BT) to the Dock connector. Also, remove the iPod from the unit and reconnect it.

microSD card/USB memory	Cannot play from microSD card.	Check to see if the microSD card can be used on the unit. → P.47
	Cannot insert the microSD card.	Insert the microSD card into the loading slot with its label surface face up (NX603). Insert the microSD card into the loading slot with its label surface face down (FX503).
	Cannot play from USB memory.	Remove the USB memory and insert it again. Check to see if the USB memory can be used on the unit. → P.47
	Skipping	Play on a personal computer to see if skipping occurs.
	Poor sound	Try recording at a higher sampling frequency or bitrate. Check audio files that can be played on the unit. → P.47
	Some files or folders cannot be played.	Playing is not possible when tunes are recorded to a folder having eight or more layers, or the number of folders exceeds the maximum of 512 (including roots) and the number of files exceeds 8000 (maximum of 255 files in one folder). Use the personal computer to reconfigure so that the number of folders and files are within their respective limits.
	Wrong number of MP3/WMA files	Delete files other than MP3/WMA.
	Audio play continues but the play time stops.	When a file exceeding 1 GB is played, the display of the play time sometimes stops. This is not a malfunction.

● Audio related		
Bluetooth audio	Cannot connect	Correctly connect the Bluetooth-compatible cellphone. → P.29 Turn the audio device on. The unit sometimes cannot be connected or skipping sometimes happens depending on distance and where the Bluetooth Audio is installed. Situate the audio device so the reception is as good as possible.
	Audio is not played.	Use audio devices that are compatible with AVRCP. Cancel the connection and reconnect. Start up the player for the connected audio device.
	The track name, artist name and album name are not displayed.	Use audio devices that are compatible with AVRCP1.3. Restart the player on the Bluetooth Audio device side.
	Sound is no longer output from the connected audio device.	Specify the Bluetooth Audio device from the Bluetooth setting screen.

Smartphone linking

Symptom	Remedy
An error message is displayed and Smartphone linking is not possible.	Cancel the sleep state on the smartphone.
	Install the linking-compatible application and application management software "Smart Access" on the smartphone beforehand.
	Start up the linking-compatible application on the smartphone beforehand.
	Reconnect the smartphone in a place with good reception.
	Disconnect the connector cable and reconnect it.
	Check the OS setting on the unit.
"!" cannot be touched in the Smartphone linking screen on the unit, and the application cannot be updated.	For reasons of safety, the application cannot be updated during Smartphone linking. Disconnect the connector cable and update the application on the smartphone.
The Smartphone linking screen is not displayed, and the screen is black.	Check to see if the connector cable is connected properly. In the case of Android smartphones, check to see if the HDMI output resolution of your smartphone can be displayed on the unit.
The error screen is displayed in the Smartphone linking screen after an outgoing call is made.	In some versions of the smartphone OS, Smartphone linking is sometimes canceled after an outgoing call is made. Start up Smart Access from the Home screen by operating on the smartphone.

The error screen is displayed while the application is in use.	Use the smartphone in a place with good reception.
The Smartphone linking that could previously be used can no longer be used.	Check to see if the smartphone is turned on. Also, cancel the sleep state on the smartphone.
The smartphone appears not to be operating.	Disconnect the connector cable and reconnect it. Or, turn the smartphone off then back on again.

Rear camera

Symptom	Remedy
Camera image is not displayed.	Check to see if the select lever is at the R position. The screen may be difficult to view in bright or dark locations, however this is not a malfunction.
Camera image is poor.	Lightly wipe the front lens cover, for example, with a soft cloth moistened with water.
The guidelines of the rear camera are not displayed.	Touch the screen with the vehicle in a stopped state, and touch Guideline Display .

Others

Symptom	Remedy
The screen is difficult to view just after the power is turned on.	This is due to the properties of the LCD panel, and is not a malfunction. Please wait.
The screen is not displayed.	When the screen is hidden, it can be redisplayed by pressing the rotary volume key (NX603) or the POWER (FX503). → P.11 The fuse might be blown. Consult with your dealer.
The screen flickers.	Use electrical components (cellphones, wireless radios, minus ion generators, etc.) that generate electrical noise as far away from the unit as possible. Refrain from using these components when the unit might be adversely influenced even when they are used far away.
The screen grows dark (or is partially dark or disappears while navigation is in use.	Stop the vehicle at a safe location, turn the engine key to the "OFF" position and then to the "ACC" or "ON" position. If this does not rectify the problem, a probable cause might be an LCD backlight malfunction or erroneous operation of the unit. Consult with your dealer.
Buttons sometimes do not react immediately after the unit is started up.	Wait a while before retrying the operation.
The menu cannot be operated.	Stop the vehicle in a safe place and apply the parking brake.

Discs that can be used on the unit (NX603 only)

— Attention —

- Do not use the following discs since there is the possibility that they might get scratched or can no longer be removed.
 - 8 cm CD
 - Non-standard shaped discs
 - Dual discs
 - Discs with labels on them
- Do not stick labels on disc surfaces or write on them with a pencil or pen, for example.
- When handling discs, take care not to leave fingerprints or scratches on the surfaces.
- Do not use discs if there is any glue or paper left on them from adhesive labels. If discs like these are inserted into the unit in this state, they may jam or cause a malfunction.
- Do not store discs in the following places:
 - Places subject to the direct sunlight
 - Humid or dusty places
 - Places subject to direct heat from heating apparatus

CDs that can be played

- Music CDs
 - CD-TEXT discs
 - CD-Extra discs
 - Excluding music CDs
 - Super Audio CD
 - Only the CD layer of hybrid discs
 - Discs recorded in the correct format on a personal computer*¹
 - CD-R and CD-RW discs for music recorded on an music CD recorder*²
 - Copy-protected CDs*³
 - DivX discs
- * 1 These sometimes cannot be played depending on the application software settings or environment. For details, contact your dealer of the application software.
- * 2 These sometimes cannot be played normally. Or, CD-RW discs may take longer than regular CDs or CD-Rs to start playing after the disc has been inserted.
- * 3 These sometimes cannot be played.

CDs that cannot be played

- MIX MODE CD
- Discs other than CD-DA (e.g. over burned CDs)
- DTS CD
- Video CD
- CD-R and CD-RW discs that have not been finalized

DVDs that can be played

- Discs with  mark
- Discs whose region number is "1" or "ALL"
- DivX discs

Commercially available DVD videos can be played on the unit.

Note on region numbers of DVD video discs

The DVD video system assigns a region number to DVD players and DVD discs by sales area.

The DVD video region number playable in this system is marked on the disc jacket as shown below.



DVD Video Features

This unit provides the following functions in addition to the high image quality and sound quality of DVD video.

— MEMO —

- The functions described in this section differ depending on the DVD video disc. Refer to the instructions provided with the DVD video.
- Some disc functions may operate differently from described in this manual.

■ Multi-sound function

DVD video can store up to 8 languages for one film; select the language of your preference.

- The languages stored on the disc are indicated by the icon shown below.



■ Multi-angle function

A DVD video that is filmed from multiple angles allows you to select the angle of choice.

- The number of recorded angles is indicated by the icon shown below.



■ Subpicture (subtitles) function

A DVD video can record subtitles for up to 32 languages and you can select the language of the subtitles you wish to see.

- The number of recorded subtitle languages is indicated by the icon shown below.



■ Multi-story function

When a DVD video contains more than one story for a film, you can select the story you wish to enjoy. The operation procedures vary with the disc; observe the instructions for selecting a story provided during playback.

■ DVD menu

DVD Menus can be called up during DVD video playback to perform menu setting.

DVDs that cannot be played

- Discs whose region number is other than "1" or "ALL"
- Discs recorded in packet write mode
- Discs recorded in hi-vision at home
- DVD-RAM
- * DVD-R, DVD-RW, DVD+R or DVD+RW recorded and finalized in the video mode sometimes cannot be played due to device specifications or environment settings, disc characteristics, or scratches and dirt on the disc.

microSD cards/USB memory that can be used on the unit

Use the commercially available microSD cards/USB memory listed below on the unit.

- Recording media microSD card*/USB memory
 - * High Capacity is supported up to Class10, and eXtended Capacity is not supported.
- Recording format FAT16, FAT32 compatibility
- Files with the .MP3 or .WMA extension (Do not append files other than MP3 or WMA with the ".MP3" or ".WMA" extension since this may cause noise or malfunction.)
- Files with of 2 GB or less

Note, however, that when a file exceeding 1 GB is played, the display of the play time sometimes stops.
- When purchasing microSD cards, select a commercially available product that is compliant with standards.
- Recording media incompatible with microSD cards are not supported.

microSD card handling precautions

- Do not fold or bend or drop microSD cards.
- Do not wipe microSD cards with paint thinner, benzene or other organic solvents.
- During reading or writing, do not remove microSD cards from the unit or turn the engine key to the "OFF" position. Doing so might result in damage or loss of recorded data.
- When using microSD cards on the unit, also read the warning and cautionary instructions provided by the manufacturer of the personal computer and peripheral devices.
- Do not leave microSD cards at places where they are likely to get hot, such as on the dashboard or at places subject to direct sunlight. Doing so might cause them to become deformed or malfunction.
- Do not touch the terminal surface of microSD cards with your hands or metal objects.
- Do not optimize microSD cards.
- We recommend backing up important data stored on microSD cards.

Audio files that can be played on the unit

CD-ROM, CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW (from here on, NX603 only), microSD cards, and USB memory recorded with MP3 or WMA files can be played on the unit.

MP3 stands for MPEG Audio Layer 3, and is a standard format relating to audio compression technology.

MP3 files hold music data compressed to about 1/10 of its original size.

WMA stands for Windows Media Audio, and is an audio compression format original to Microsoft Corporation.

MP3 and WMA discs (NX603 only) and files that can be played are as follows:

- Recording media* 1:
 - CD-ROM, CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW
- Recording format:
 - CD: ISO9660 level 1/level 2, Joliet, Romeo
 - DVD: UDF (Ver1.02/1.5/2.0), UDF-bridge
- Packet writing is not supported.
- Files with the .MP3 or .WMA extension (Do not append files other than MP3 or WMA with the ".MP3" or ".WMA" extension since this may cause noise or malfunction.)

* 1 Up to 40 sessions on discs recorded with multi-session support can be played. (Multi-session is not supported on DVD-R/RW and DVD+R/RW.)

MEMO

- Display of the play time sometimes deviates when MP3 and WMA VBR files are played, or fast-forwarded or rewind.

MP3 files

- ID3-Tag: Display of Ver1.x, 2.x album (displayed as Disc Title), track (displayed as Track Title) and artist (displayed as Track Artist) are supported.
- Emphasis: Supported only when playing 44.1 kHz files
- Playable sampling frequencies
MPEG1: 44.1 kHz/48 kHz/32 kHz
MPEG2: 22.05 kHz/24 kHz/16 kHz
MPEG2.5: 11.025 kHz/12 kHz/8 kHz
* In terms of audio quality, 44.1 kHz or higher is recommended.
- Playable bitrates
MPEG1: 32 kbps to 320 kbps/VBR
MPEG2: 8 kbps to 160 kbps/VBR
MPEG2.5: 8 kbps to 160 kbps/VBR
* In terms of audio quality, 128 kbps or higher is recommended.
- Jumping sometimes occurs with files recorded at the following sampling frequencies and bitrates:
Sampling frequency: 16 kHz or less
Bitrate: 8 kbps or less
- MP3i (MP3 interactive) and mp3 PRO format are not supported.
- Skipping sometimes occurs depending the data content of the MP3 file.
- Files with a short recording time sometimes cannot be played.
- When discs (NX603 only)/microSD cards/USB memory contain large data other than music data, tunes sometimes cannot be played.
- Display of the play time sometimes deviates when low bitrate files are played, or fast-forwarded or rewind.
- When TAG information is changed in TAG editing software other than Windows Media Player or iTunes®, TAGs are sometimes not displayed properly.

WMA files

- Characters in album names sometimes are corrupted depending on the software on the PC where the names were made.
- WMA9 Professional, WMA9 Voice and WMA9 lossless format are not supported.
- When discs (NX603 only)/microSD cards/USB memory contain large data other than music data, tunes sometimes cannot be played.
- Display of the play time sometimes deviates depending on the data content of the WMA file. Also, skipping or jumping sometimes occurs partially or noise sometimes occurs depending on the bitrate.
- The sampling frequency and bitrates that can be played differ according to the recording version. Refer to the table below.

Bitrate (kbps)	Sampling frequency (kHz)
192	44.1
160	44.1
128	44.1
96	44.1
80	44.1
64	44.1/32
48	44.1/32
44	32
40	32
36	32
32	48/44.1/32/22.05

Bitrate (kbps)	Sampling frequency (kHz)
22	32/22.05
20	44.1/32/22.05/16
16	22.05/16
12	16/8
10	16/11.025
8	11.025* /8*
6	8*
5	8*
VBR	48/44.1

* Jumping sometimes occurs.

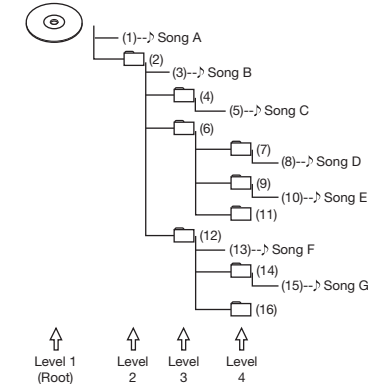
Folder structure of discs

The maximum number of folders, files and tracks on discs are as follows:

Folders: 255 (including root)
Files: 512

Tracks: 255 per folder

The following is an illustration of a disc recorded with MP3 and WMA files (example, layers 1 to 4 of the folder hierarchy).



Folders without tunes are skipped to determine the play order.

The play order in the case of the above figure becomes (1)→(3)→(5)→(8)→(10)→(13)→(15).

Notice

- In the case of discs, playing files down to eight layers (including the root directory) is supported, though it may take time until play starts when the disc has lots of folders.

Folder structure of microSD card/USB memory

Music data can be recognized in eight layers of the folder hierarchy (excluding the root) on both microSD cards and USB memory. Only MP3 and WMA music data in these layers is recognized. There is no designation as to which layer data must be placed.
Limit the total number of characters in folder names and file names to 250 characters for both 2-byte and 1-byte characters.

MEMO

- Folders not containing MP3 and WMA files are not recognized.
- In the case of microSD cards and USB memory, play of files down to eight layers (including the root directory) is supported, though it may take time until play starts when the card or memory has lots of folders.
- When a folder contains 255 or more tracks, the tracks that are recognized change according to the order in which data is written to the personal computer.
- When a folder contains files other than MP3 and WMA, the number of tracks that are recognized may be reduced.
- The maximum number of folders, files and tracks that can be recognized are as follows:
Folders: 512
Files: 8,000
Tracks: 255 per folder
- When there are files on the 1st layer, they are placed in the "MASTER FOLDER" in the folder list screen.

Notes for playing back MP3 and WMA on the unit

- When folders, files and tracks are recorded beyond their maximum numbers, folders, files and tracks over the respective maximum number are not recognized. Also, the display order of folders and files on the unit differs from the display on a personal computer.
- In the case of long file names that contain folders, files in those folders sometimes cannot be played.
- When displaying MP3 or WMA file names, part of the extension (.m/.mp/.w/.wm) may be left behind following the file name depending on the length of the file name. If this happens, adjust the length of file names you create. (The length of file names on which part of the extension is left behind depends on the file system you are using.)
- Music files protected by copyright on both microSD cards and USB memory cannot be played on the unit.

Video files that can be played on the unit (NX603 only)

CD-ROM, CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, and DVD+RW recorded with DivX content can be played on the unit. DivX discs and files that can be played are as follows:

- Recording media:
CD-ROM, CD-R, CD-RW, DVD-R, DVD-RW, DVD+R, DVD+RW
- Recording format:
UDF (Ver1.02/1.5/2.0), UDF-Bridge, ISO9660 Level1, ISO9660 Level2, Joliet, Romeo
- Packet writing is not supported.
- Files with the .DivX or .AVI extension (Do not append files other than DivX with the ".DivX" or ".AVI" extension since this may cause noise or malfunction.)
- Profile: DivX Home Theater Profile
- Container format: AVI
- Version: Ver.1.0 supported (Ver.2.0 or later not supported)

Video codec	DivX Ver.3, Ver.4, Ver.5, Ver.6
Bit rate (kbps)	4854 or less
Resolution	Play at 30 fps: 32 x 32 to 720 x 480 Play at 25 fps: 32 x 32 to 720 x 576

Audio codec	MP3(MPEG1/2 AudioLayer-3)	MPEG-BC(MPEG1/2 AudioLayer-2)
Bit rate (kbps)	16~320	16~320
Sampling rate (kHz)	16,22.05,24,32,44.1,48	16,22.05,24,32,44.1,48
Audio Coding mode	1/0,2/0,Dual,Mono,MP3,Surround	1/0,2/0,Dual Mono

Audio codec	MPEG2.5	AC3
Bit rate (kbps)	6~160	32~640
Sampling rate (kHz)	8,11.025,12	32,44.1,48
Audio Coding mode	1/0,2/0,Dual,Mono	1/0,2/0,3/0,2/1,3/1,2/2,3/2,Dual Mono

Audio codec	LPCM
Bit rate (kbps)	8,11.025,12,16,22.05,24,32,44.1,48
Quantization bit rate	8,16
Audio Coding mode	1/0,2/0

Country code

Name of country	Country code	Entry number
Bermuda	BM	6677
Canada	CA	6765
United States	US	8583

Daily care and handling

Daily care and handling of main unit

Pay attention to the following points when performing daily care on the main unit.

- When performing daily care on the main unit, wipe lightly with a soft, dry cloth. If dirt is stubborn, wipe lightly with a soft cloth moistened with a small amount of neutral detergent diluted with water, and then finish by wiping with a dry cloth. If liquid gets into the cracks of the device, this may cause a malfunction.
 - * When performing daily care on the main unit, never use benzene or paint thinner, car cleaner, polish spray, or similar fluids. Doing so might cause fire. Also, leaving rubber or plastic products in contact with the cabinet for long periods of time may cause stains.
- Occasionally wipe off any dust that adheres to the LCD display with a soft, dry cloth.

Warranty and customer support

■ Warranty

This product is provided with a Warranty. Be sure to check the information and keep the form in a safe place.

■ Warranty period

Check the warranty period written on the Warranty.

■ Repair after end of warranty period

If performance can be maintained by repairing this product, we shall repair it for a charge in accordance with the customer's wishes.

Specifications

Navigation (GPS) unit (NX603 only)

Reception frequency: 1575.42 MHz
C/A code
Sensitivity: -130 dBm or less
Number of channels: Parallel 13

LCD monitor

Screen size: 6.2"
Display method: Transmission type
TN liquid crystal panel
Drive method: TFT (thin-film transistor)
Active matrix
Drive method
Number of pixels: 1,152,000
[800 (H) x 480 (V) x 3 (RGB)]

CD player (NX603 only)

Frequency characteristics: 20 Hz to 20 kHz
Signal-to-noise ratio: 80 dB
Total distortion factor: 0.05% (1 kHz)

DVD player (NX603 only)

Frequency characteristics: 20 Hz to 20 kHz
Signal-to-noise ratio: 80 dB
Total distortion factor: 0.05% (1 kHz)

FM tuner

Reception frequency: 76.0 MHz to 90.0 MHz
Practical sensitivity: 8 dB μ V

AM tuner

Reception frequency: 522 kHz to 1,629 kHz
Practical sensitivity: 30 dB μ V

Audio unit

Rated output: 18 W x 4
(10%, 4 Ω)
Max. momentary output: 47 W x 4
Compatible impedance: 4 Ω

Bluetooth unit

Reception frequency: 2402 MHz to 2480 MHz
(1 MHz increments)
Reception sensitivity: -70 dBm or less
Standard: Version 2.1+EDR

Common sections

Rated voltage: 14.4 V
(permissible voltage range 10.8 to 15.6 V)
Grounding method: Minus ground
Current consumption: Approx. 4 A (at 1 W)



Power Output: 18 Watts RMSx4 Channels
at 4 Ohms and $\leq 1\%$ THD+N
Signal to Noise Ratio: 76 dBA
(reference: 1 Watt into 4 Ohms)



Trademarks

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited. Use of this product by the customer is restricted to play program materials to which the Rovi copyright protection process has been applied. (NX603 only)
- Manufactured under license from Dolby Laboratories.
“Dolby” and the double-D symbol are trademarks of Dolby Laboratories. (NX603 only)



-  is the trademark of DVD Format/Logo Licensing Corporation. (NX603 only)
- “SDHC memory card,” “SD memory card,” “miniSD™”, and “microSD™” are registered trademarks of the SD Card Association. 
- “Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. iPhone, iPod, iPod classic, iPod nano, iPod touch, and iTunes are trademarks

of Apple Inc., registered in the U.S. and other countries.



- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license. DivX Certified® to play DivX® video, including premium content. Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274 (NX603 only)
- SiriusXM™ and all related marks and logos are trademarks of Sirius XM Radio, Inc. All rights reserved.



- Pandora, the Pandora logo and other Pandora marks are trademarks or registered trademarks of Pandora Media, Inc. or its subsidiaries worldwide. If you have any issues with the Pandora application on your mobile phone, please direct them to pandora-support@pandora.com.



- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Clarion Co.,Ltd, is under license.



- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



- Android is the trademark of Google Inc.
- How to get source code that is considered open source
This unit uses open source software. If you want to get this software's source code, you can download it from our website. Refer to the following website about getting the source code.
<http://www.clarion.com/us/en/support/index.html>

Disposal, transfer and resale of this product

The following describes the cautions when reselling or transferring the unit to a third party or disposing of it.

Deletion of data from the unit

When reselling or transferring the unit to a third party or disposing of it, please pay attention to the following points and please delete all data at your own responsibility.

To protect your privacy...

Initialize (delete) all data (registration lists, maintenance information, etc.) including individual information saved to memory by following the procedure below.



To protect copyright...

Initialize (delete) all image data saved in memory by following the procedure below. There is the risk that copyrighted data might infringe on copyright laws if the unit is transferred (for a charge or free of charge) or resold with data still left on it without the consent of the copyright holder.

* Clarion bears no responsibility for damages to the customer due to leakage of leftover data, the customer is responsible for managing data appropriately as described above.

Deleting data (initializing)

Delete (initialize) all data saved on the unit.

- 1 **MENU** ►  ► 
- 2 **Reset to Factory Setting**
The confirmation screen is displayed.
- 3 **OK**
This clears all data saved on the unit.

MEMO

- Data after updates is saved, initialization is not done to programs that are updated.

INSTALLATION AND WIRE CONNECTION MANUAL

1. SAFETY PRECAUTIONS

Symbol Identification

This manual uses symbols and icons to indicate safety precautions and concerns during the installation procedure. Be sure to carefully read and understand each precaution prior to beginning the installation.

⚠ WARNING

- This symbol is intended to alert the user to the presence of important operating instructions. Failure to heed the instructions may result in severe injury or death.

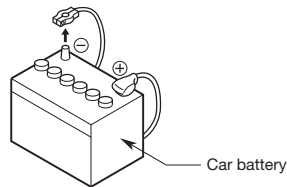
⚠ CAUTION

- This symbol is intended to alert the user to the presence of important operating instructions. Failure to heed the instructions can result in injury or material damage.

Before Use

⚠ WARNING

- Confirm the battery voltage of the vehicle to be installed. This unit is designed only for vehicles with DC 12V power supply.
- Disconnect the negative terminal of the battery before connecting wires, otherwise an electric shock, injury by short circuit may occur.



Installation Precautions

⚠ WARNING

- When installing the unit to a vehicle with an airbag system, never install it in a place where it may affect the operation of the airbag.
- Do not install this unit in the following locations:
 - A location interfering with the driver's visual range or operation.
 - A location where the gear shift or brake pedal are hindered.
 - A location where passengers are at risk.
 - An unstable location, or where the system may fall.

⚠ CAUTION

- Do not install the system in the locations described below. This may cause a fire, accident or electrical shock:
 - A location exposed to rain or dust.
 - An unstable location, or where the system may fall.
- Do not install this unit in a place exposed to direct sunlight, heat or a place where the vent holes or heat radiation holes are covered.
- When you install the antenna, mount it in a place where the elements of the antenna do not protrude beyond the edge of the front, back, left and right of the vehicle.
 - If it comes in contact with pedestrians, it may cause an accident.

Installation Notes

⚠ WARNING

- Please note the position of pipes, tanks and electrical wirings before installing the unit into the vehicle; failure in avoiding these may cause a fire or malfunction.

⚠ CAUTION

- Use only the supplied parts. If unspecified parts are used, they may cause damage.
- Any holes made in the body of the vehicle should be sealed with a silicon adhesive. If exhaust fumes or water penetrates into the vehicle, this may cause an accident.
- Fasten the bolts securely when installing the unit. If the bolts are loose an accident or malfunction could occur.

Connection Notes

⚠ WARNING

- Loom all cables according to the instruction manual, so as not to hinder operation.
- Wire the connecting cords/cables away from high temperature areas. If the coatings of the cables melt, it could cause an accident/fire by a short circuit. Take care when wiring in the engine compartment.
- When wiring the connecting cables in a vehicle with an airbag system, never feed the cables through a place where it may affect the operation of the airbag. An airbag not operating correctly in an emergency may cause increased injury.

CAUTION

- Verify wires with a digital multi-meter prior to making any connections. Many new vehicles use multiplexed and/or low voltage circuits that can be damaged if a test light or logic probe is used.
- Connect cables appropriately. If a wrong connection is made, this may cause a fire or accident.
- When passing cables through the body of the vehicle, use non-conductive grommets. If the coatings of the cables are worn out by rubbing, this may cause an accident, fire or a short circuit.
- After wiring cables, fix them with insulation tape.
- Be sure to switch off the vehicle when connecting or disconnecting cables to/from the unit, otherwise an electric shock, injury or accident may occur.

2. PACKAGE CONTENTS

- ① Main unit
- ② Quick Start Guide & Installation Manual
- ③ CD-ROM
 - Owner's manual
 - Owner's manual - Navigation (NX603 only)
- ④ Power supply cable
- ⑤ RCA pin cable (6ch)
- ⑥ RCA pin cable (Rear AUX-IN/Rear Video Out)
- ⑦ Bag for accessories
 - Flat head screw (M5 × 8 mm)8
 - Hexagonal bolt (M5 × 8 mm)8
 - Rubber cap (for RCA pin cable)10
 - Cable holder (NX603 only)3
 - Double-sided tape for fastening GPS antenna (NX603 only)1
 - Cable tie1
- ⑧ Finisher
- ⑨ Warranty card
- ⑩ GPS antenna(NX603 only)

Notice

- The provided disc (CD-ROM manual) cannot be played back on this unit.

3. GENERAL CAUTIONS

- Do not open the case. There are no user-serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized Clarion service center.

4. CAUTIONS ON INSTALLATION

- Prepare all articles necessary for installing the main unit before starting.
- Install the unit within 30° of the horizontal plane. (Figure 1)

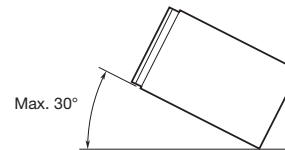


Figure 1

- If you have to do any modification on the car body, such as drilling holes, consult your car dealer beforehand.
- Use the included screws for installation. Using other screws can cause damage. (Figure 2)

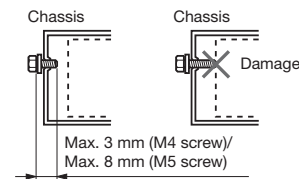
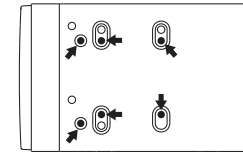


Figure 2

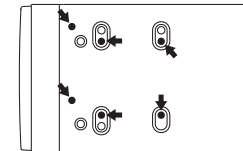
5. INSTALLING THE MAIN UNIT

This unit is designed for fixed installation in the dashboard.

- When installing the main unit in NISSAN vehicles, use the parts attached to the unit and follow the instructions in Figure 3.
- When installing the main unit in TOYOTA vehicles, use the parts attached to the vehicle and follow the instructions in Figure 4.
- Wire as shown in Section 9→ P.57.
- Reassemble and secure the unit in the dashboard and set the face panel and center panel.

Mounting Screw Holes (Side View of the Main Unit)

For NISSAN vehicle



For TOYOTA vehicle

Installing the Main Unit in a NISSAN Vehicle

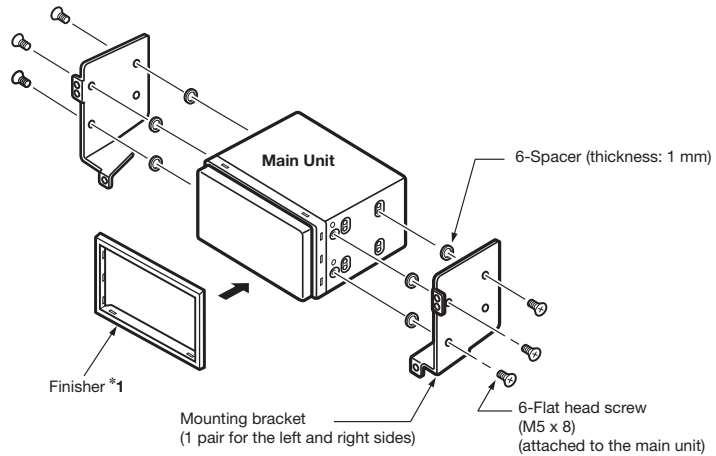


Figure 3

*1 Position the face panel with its wide edge at the bottom. Fit the edge into the groove of the main unit.

Installing the Main Unit in a TOYOTA Vehicle

Install by using parts attached to the vehicle. (Screws marked ★ are attached to the vehicle.)

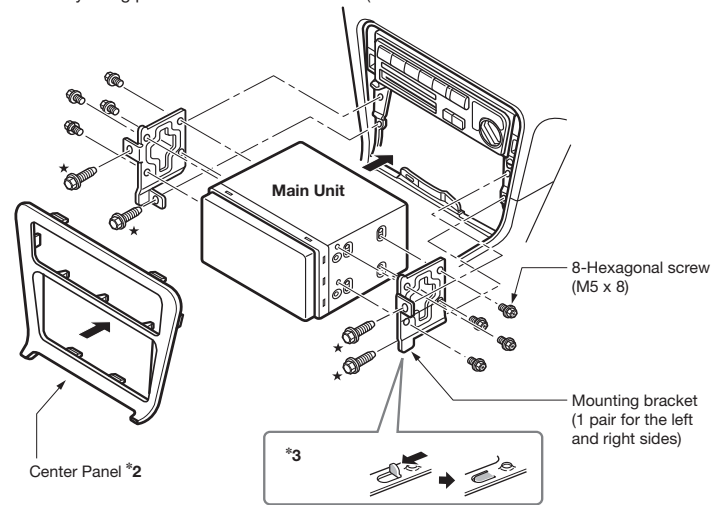
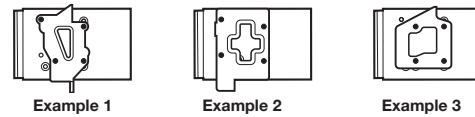


Figure 4

*2 Some panel openings are too small for the unit depending on the vehicle type and model. In such a case, trim the upper and lower sides of the panel frame by about 0.5 to 1.5 mm so the unit can be inserted smoothly.

*3 If a hook on the installation bracket interferes with the unit, bend and flatten it with a nipper or similar tool.

■ Typical Mounting Brackets



Affix the screws to the ● marks.

Vehicles other than NISSAN and TOYOTA

In some cases the center panel may require modification. (Trimming, filing, etc.)

6. REMOVING THE MAIN UNIT

When the main unit is to be removed, disassemble it in the reverse of the order in "INSTALLING THE MAIN UNIT". → P.54

7. CAUTIONS ON WIRING

- Be sure to turn the power off before wiring.
Be particularly careful where you route the wires.
- Keep them well away from the engine, and exhaust pipe, etc. Heat may damage the wires.
- If the fuse should blow, check to see if the wiring is correct.
If a fuse is blown, replace it with a new one of the same specification as the original.
- To replace the fuse, remove the old fuse of the power supply cable and insert the new one. (Figure 5)

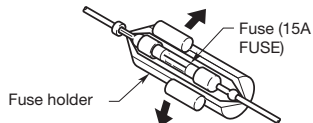


Figure 5

- There are various types of fuse holder. Do not let the battery side touch other metal parts.

CAUTION

- After connecting the HDMI and USB cables to the unit, use a cable tie to tie them down. (Figure 6)

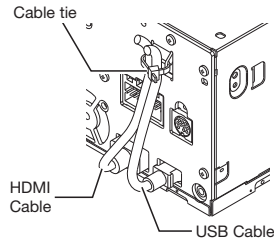


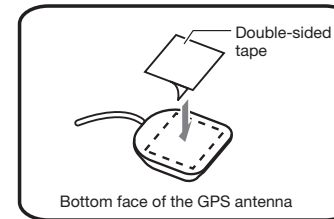
Figure 6

8. INSTALLING THE GPS ANTENNA (NX603 ONLY)

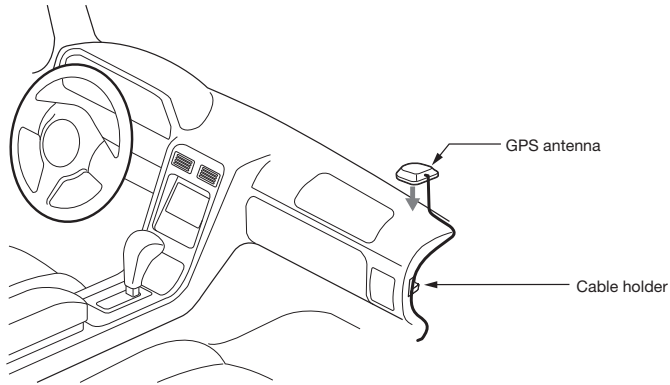
WARNING

- Do not install the GPS antenna in a place where it may interfere with the operation of the airbag or hinder the driver's visual range.
- Do not use the navigation system with the GPS antenna cable cut off. The power line in the cable may be short-circuited.

- The supplied GPS antenna is for installing inside the vehicle. Do not install it outside the vehicle.
- Install the GPS antenna more than 19.7in (50 cm) away from the main unit, other audio devices such as CD player, and a radar detector. If it is installed near these devices, GPS reception may be impaired.
- To improve the GPS signal reception, install the GPS antenna horizontally on a flat plane.
- Do not wax or paint the cover of the GPS antenna. This may reduce the performance of the GPS antenna.
- Install the GPS antenna at least 3.9in (10 cm) away from the windshield.
- Wipe off the dirt of the mounting surface before installing the GPS antenna.
- Stick the double-sided tape to the bottom face of the GPS antenna.

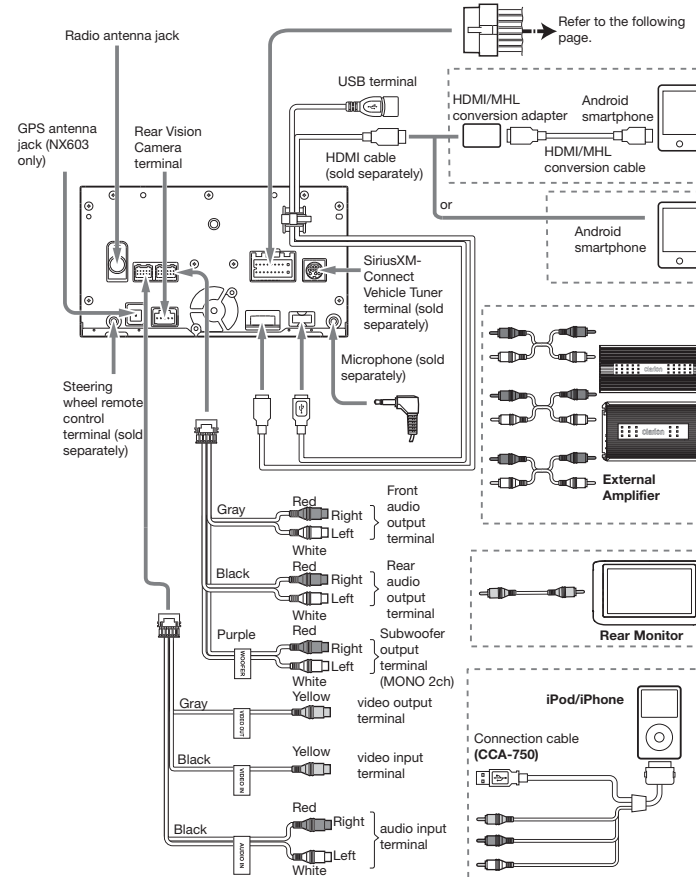


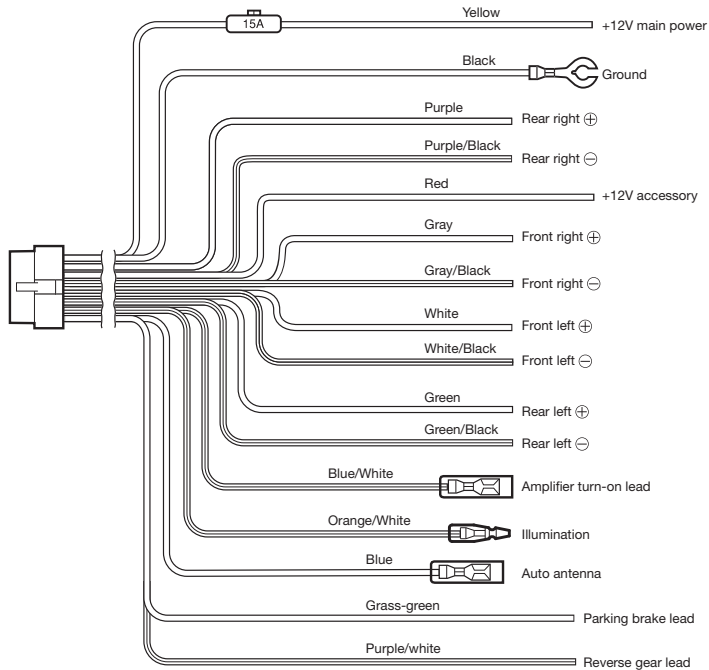
- Mount the GPS antenna.
Stick it surely on a flat plane of the passenger-side dashboard where GPS signal interruption is minimized.
- Wire the GPS antenna cable.
Fasten the cable using the Cable holders.



(Shows an example in case of the left-hand traffic.)

9. WIRE CONNECTION



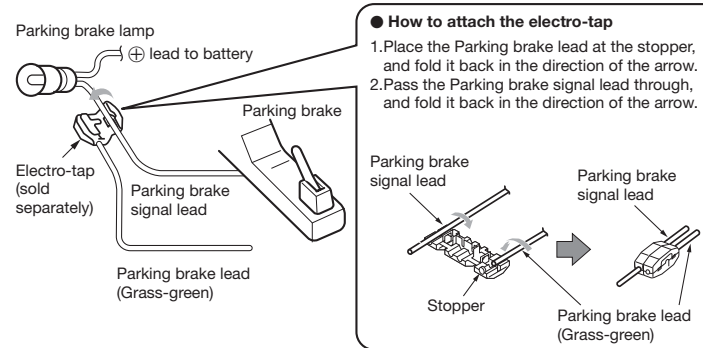


See next page for how to connect the parking brake lead.

■ Connecting the parking brake lead

Connect the lead to parking brake lamp ground in the meter panel.

- Connecting the parking brake lead to lamp ground allows you to watch video images when the parking brake is engaged.
- When the parking brake lead is not connected, the monitor will not display video images.
- If “Audio Only” appears on the screen just after turning on the ACC power of the car, release the parking brake while confirming safety, and then engage the parking brake again.



Connecting the Accessories

■ Connection to the Rear Vision Camera for vehicle

The Rear Vision Camera for vehicle can be connected to optional Rear Vision Camera input cable (CCA-644) with RCA pin cable. For detailed information, refer to the instruction sheet or manual for the Rear Vision Camera.

- Be sure to connect the reverse gear lead to the vehicle's relevant terminal.
- Connect the Rear Vision Camera to the RCA pin cable; if not, the screen turns black while the gearshift lever is in the reverse gear position.

■ SiriusXM-Connect Vehicle Tuner

Connect this tuner to SiriusXM-Connect Vehicle Tuner terminal.

For more information on how to install the SiriusXM Connect Vehicle tuner, consult the installation guide included with the tuner.

Index

■ A

Adjusting volume	
Audio-visual	11
Phone	32
AM/FM selection	11
Angle(DVD Video)	16
Antitheft Activation	39
Antitheft Indicator	39
Audio Language(DVD Video)	16
Audio Level(AUX)	27
Automatic tuning	
Radio	11
Auto store	
Radio	12
AUX	26
AV control bar display key	11

■ B

Balance/Fader	40
Bluetooth	29
Bluetooth Audio	25
Bluetooth ON/OFF	29
Brightness	41
BT Devices Connection	40
Button Beeps	39

■ C

CD	18, 46
Channel Lock	14
Channel Lock Password	14
Check connectivity	39
Clock Format(24h)	39
Connection Method(iPod)	24
Country Code	18, 50

■ D

Day/Night Mode	41
Default Audio Language	17
Default Menu Language	17
Default Subtitle Language	17
Deleting incoming call/outgoing call logs	
	31

Deleting phonebook	32
Deleting registered cellphones	30
DISP	8
Display Adjustment	
AUX	27
DVD Video	16
iPod Video	24
Rear Vision Camera	37

Display Mode

AUX	27
DVD Video	16
DivX	20
DivX VOD	41
DVD Video	15, 46

■ E

EJECT button	7
--------------	---

■ G

Graphic Equalizer	40
Guideline	37

■ H

Handset Phonebook	31
High Pass Filter	40

■ I

Illumination Color	39
In-Car-Device setting	40
Inserting and removing microSD cards	10
Inserting/removing discs	10
iPod Audio	22
iPod Video	22

■ L

Loudness	40
Low Pass Filter	40

■ M

Main Menu Icons	38
Making calls	
Handset Phonebook	32
Incoming/outgoing calls log	31
Telephone number	31
Manually registering stations	
Radio	12

Manual tuning	
Radio	12
MENU	7, 8, 9
microSD card	20, 47
MP3	18, 47

■ N

NAVI AV	7
---------	---

■ O

Operation panel	7
OS	41

■ P

Pairing	29
Pandora Radio	28
Parental Control Password	18
Parental Level	18
Play from list	
Bluetooth Audio	25
CD	19
microSD card	21
MP3	19
USB memory	21
WMA	19

Play from menus

DVD Video	16
-----------	----

Playing under specified conditions

Bluetooth Audio	25
iPod Audio	24
iPod Video	24

POWER

8	
Preset channel	
Radio	12
SiriusXM Radio	13

■ Q

Quasi Bumper	38
--------------	----

■ R

Radio	11
Rear Monitor	38
Rear Vision Camera	36
Receiving calls	32
reception band	12

Remote control	34
----------------	----

Repeat play

Bluetooth Audio	26
CD	19
DVD Video	15
iPod Audio	23
iPod Video	23
microSD card	21
MP3	19
USB memory	21
WMA	19

Reset to Factory Setting

7	
---	--

Rotary volume key

7	
---	--

■ S

Scan play	
CD	19
microSD card	21
MP3	19
USB memory	21
WMA	19
Shortcut Menu	9, 39

Shuffle play

Bluetooth Audio	26
CD	19
iPod Audio	23
microSD card	21
MP3	19
USB memory	21
WMA	19

SiriusXM Radio ID

12	
----	--

SiriusXM Satellite Radio

12	
----	--

Sizing Monitor

DVD Video	17
-----------	----

Smart Access

7, 8, 33	
----------	--

Smartphone linking

33	
----	--

Sound Restorer

40	
----	--

Station(Pandora Radio)

28	
----	--

Subtitle Language(DVD Video)

16	
----	--

Sub Woofer Control

40	
----	--

Switching cellphone connections

30	
----	--

Switching display screen

11	
----	--

System Language

38	
----	--

■ T	
Time	39
Title/Chapter	16
Tuning	
SiriusXM Radio.....	13
Tuning from list	
Radio	12
Turning off the screen	11
Turning power ON/OFF	9
■ U	
USB memory.....	20, 47
■ V	
Virtual Bass	40
Vocal Image Control	40
volume	7, 8
Volume Smoother.....	41
■ W	
WMA	18, 47

Clarion Co.,Ltd.

All Rights Reserved. Copyright © 2013: Clarion Co., Ltd.

2013/2

QY-1010U
QZ-3010U
QCA-500-100