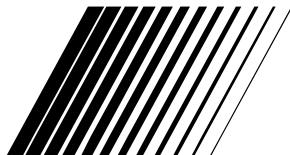


DRAFT

JVC



GPS NAVIGATION SYSTEM
SISTEMA DE NAVEGACIÓN GPS
SYSTÈME DE NAVIGATION GPS

KW-NT3HDT / KW-NT3HD



Data by
infoUSA

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All Rights Reserved



Google maps



Only for KW-NT3HDT
Only for KW-NT3HD
Only for KW-NT3HDT



HD Radio **Traffic** is available **only for KW-NT3HDT**.
HD Radio **Traffic** is available **only for KW-NT3HDT**.
HD Radio **Traffic** is available **only for KW-NT3HDT**.

For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

For customer Use:

Enter below the Model No.
and Serial No. which are
located on the top or bottom
of the cabinet. Retain this
information for future
reference.

Model No. _____
Serial No. _____

LVT2141-001A
[J/C]

ENGLISH

ESPAÑOL

FRANÇAIS



Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

ENGLISH

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam. (For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC20025-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OYNLIG LASERSTRÅLNING. KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 ここを覗くと有害 及び/または不可視 のクラス1M レーザー放射が 出ます。 光学鏡等で直接 見ないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS 1 LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FMA 21 CFR (ENG)
--	---	--	---	--	---

INFORMATION (For U.S.A.)

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 try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

(For USA)

CAUTION: This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. End user cannot modify this transmitter device. Any unauthorized modification made on the device could void the user's authority to operate this device.

(For Canada) "The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population, consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rpb"

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

This device complies with RSS 210 of Industry Canada "IC". "Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

L' utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l' utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.



Cautions on the monitor:

- The monitor built in this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not malfunction.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with the sharp tip. Touch the buttons on the touch panel with your finger directly (if you are wearing a glove, take it off).
- When the temperature is very cold or very hot...
 - Chemical changes occur inside, causing malfunction.
 - Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

WARNINGS:
To prevent accidents and damage

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



[European Union only]

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- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

- "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone 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.
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- iPhone is a trademark of Apple Inc.
- 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.
- Google Maps™ is a trademark of Google Inc.
- SD Logo is a trademark.

Only for KW-NT3HDT:

- HD Total Traffic Network® + is a registered mark of Clear Channel in the United States and other countries and hereby used under license.
- Journaline® technology licensed by Fraunhofer IIS. <http://www.journaline.info>

For safety...

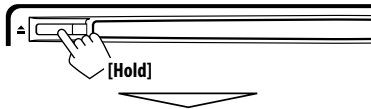
- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car...

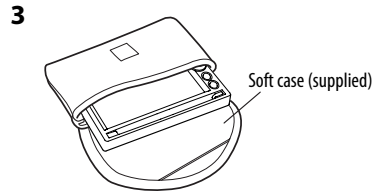
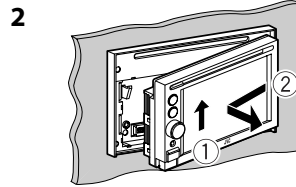
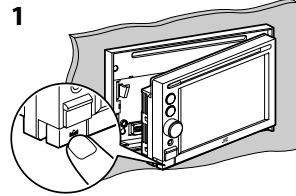
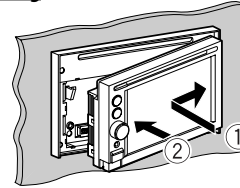
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

When replacing/rotating the tires:

It is required to clear all the accumulated calibration data which is important for accurate navigation. To clear the data, perform <Reset Calibration Data>. (☞ page 39)

How to forcibly eject a disc

- Be careful not to drop the disc when it ejects.
- If this does not work, detach the monitor panel then attach it (☞ right).

Detaching/attaching the monitor panel**Detaching****Attaching****Caution:**

- Hold the monitor panel securely so as not to drop it accidentally.
- Fit the monitor panel onto the attaching plate until it is firmly locked.

How to read this manual:

- Illustrations of KW-NT3HDT are mainly used for explanation.
- < > indicates the variable screens/menus/operations/settings that appear on the touch panel.
- [] indicates the buttons on the touch panel.



Contents

ENGLISH



How to forcibly eject a disc 4
 Detaching/attaching the monitor panel 4

Introduction 8

Parts identification 8

Installation settings 9

Basic operations 10

- Turning on the power 10
- Messages about the status of GPS signal reception 10
- Turning off/on the screen 10
- Operations on the touch panel 11

Switching screens 12



Navigation System 14

Safety instructions/information for the Navigation System 14

- Information/icons on the map 14

Basic operations 15

- About the current position screen 15
- To change the map scale 15
- To scroll the map 16
- To display your current position 16
- To change the map view 16

Registering your home/favorite points 17

Searching for a place 18

- Setting a destination by scrolling the map 18
- About the search result screen 18
- Setting a destination using the <Destination Menu> 19
- About search screens and input screens 20
- By address <Address> 21
- By telephone number <Phone> 22
- From the list of POI <POI Name> 23
- POI near a place/route <Vicinity> 24
- By coordinates <Coordinates> 25
- From the list of POIs imported by yourself <Assistant POIs> 25
- Quick Search 26

How you are guided 28

- Starting guidance to the destination or via point 28
- Changing route options 29
- Canceling guidance 29
- Adjusting the volume of the voice guidance 29
- About route guidance screen 30
- Getting information on your route and places 31





Contents

ENGLISH



Arranging your route	32
• Changing the sequence of the destination/via points	32
• Avoiding a congestion ahead	33
• Adjusting the vehicle position	33
Editing registration of home/favorite points	34

Only for KW-NT3HDT

Using information service	35
• Using the traffic information service	35
• Using the area information service (Total Traffic HD NET WORK Service)	37

Checking the information of the navigation system	38
Initializing memories/navigation settings	39
Navigation menu items.....	40
Additional information	42

AV Operations..... 44

Common operations on AV screens	44
• Selecting the playback source	44
• Turning off the AV source	44

Listening to the HD Radio™ broadcast	45
• Changing HD Radio reception mode	46
• Storing stations in memory	46
• Selecting a preset station	47
• Reducing the interference.....	47
• Tagging/purchasing your favorite songs from iTunes Store	48

Disc operations	50
• Playable disc types.....	51
• Selecting playback modes.....	55
• Settings for the disc playback.....	56

SD/USB operations	57
Listening to the iPod/iPhone device.....	59
• Selecting a track/video from menu on the iPod/iPhone	61

Listening to the satellite radio	62
• Storing channels in memory	64
• Selecting preset channels	64
• Selecting a channel quickly	64

Using other external components	65
• Front AUX.....	65
• AV-IN	65





Sound equalization 66

Changing illumination color 67

Settings for video playback 68

- Picture adjustment 68
- Changing the aspect ratio 68

AV menu items 68

Additional information 72



Bluetooth Operations 74

Information for using Bluetooth® device 74

Using Bluetooth device 75

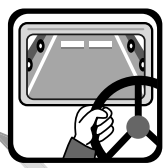
- Registering a Bluetooth device 75
- Connecting/disconnecting a registered Bluetooth device 76
- Deleting a registered Bluetooth device 76

Using Bluetooth mobile phone 77

- Receiving a call 77
- Adjusting the volume of calls/earpiece 77
- Switching between handsfree mode and phone mode 78
- Making a call 78
- Copying the phone book 79
- Searching for a phone number from phone book 79
- Deleting the phone number memory in the unit 80
- About mobile phone compatible with Phone Book Access Profile (PBAP) 80

Using Bluetooth audio player 81

Bluetooth device settings 82



Rear View Camera Operations 83

Using a rear view camera 83

- Activating the rear view camera 83
- Displaying the picture from the rear view camera 83



References 84

Maintenance 84

Troubleshooting/error messages 85

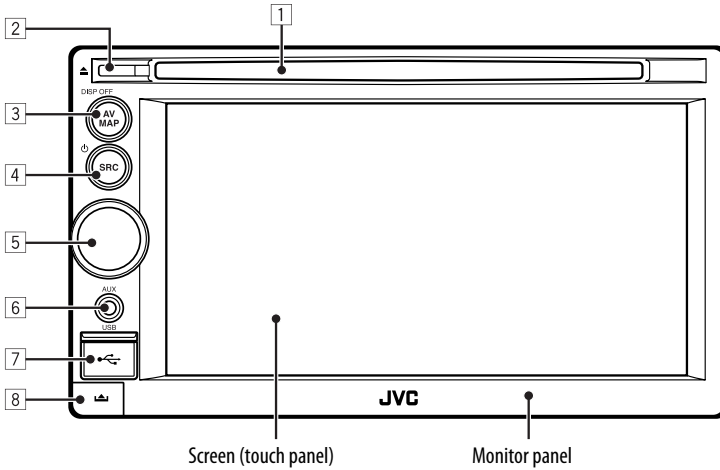
Specifications 91



Introduction

Parts identification

ENGLISH



1 Loading slot

2 ▲ (Eject) button

Ejects the disc.

3 AV MAP/DISP OFF button

- Switches the screen between the map screen and AV screen. (☞ page 12)
- Turns off/on the screen. [**Hold**] (☞ page 10)

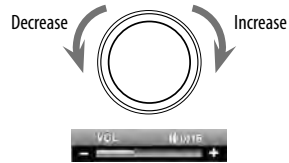
4 SRC/⏻ button

- Selects the source. (☞ page 44)
- Turns off/on the AV function. [**Hold**] (☞ page 44)

5 Volume adjustment knob

Adjusts the audio volume.

- About the adjustable volume range, ☞ page 69 (<Amplifier Gain>).
- To adjust the guidance volume, ☞ page 29.



6 AUX input terminal

7 USB input terminal

8 ▲ (Detach) button

Detaches the monitor panel. (☞ page 4)

You can change the color of the buttons on the monitor panel. (☞ page 67)





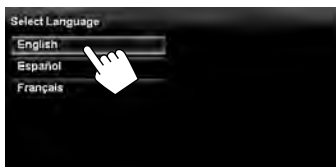
Installation settings

When you turn on the unit for the first time, the initial setup screen appears.

1 Turn on the ignition switch.

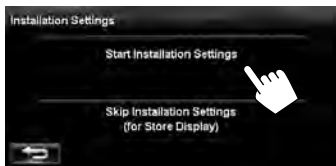
The power is turned on, and the startup screen is displayed for about 5 seconds.

2 Select the language you want for the display and the voice guidance.



- You can also select the system language through the AV menu (<Settings> - <System> - <Language>, page 71)

3 Display installation settings screen.

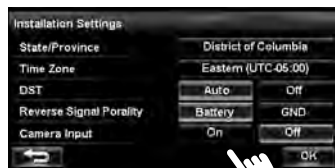


- If you select [**Skip Installation Settings (for Store Display)**], the System starts in the store display mode.

You need to make the installation settings next time you turn on the power.

- When you turn on the power, <Select Language> appears. After selecting the language, the confirmation message appears. Press [Yes] so that the System starts initialization. When initialization is complete, <Select Language> (Step 2 above) is displayed.

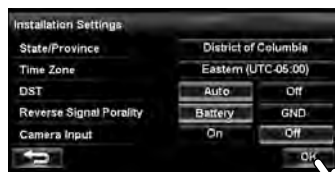
4 Adjust the settings.



State/Province	Select the State or Province where you are now.
Time Zone*	Select your residential area for automatic clock adjustment by GPS signal.
DST*	Select <Auto> if your residential area is subject to Daylight Saving Time.
Reverse Signal Polarity*	Select the reverse signal polarity (<Battery> or <GND>) according to the connection of your car.
Camera Input*	Select <On> when connecting the rear view camera to the CAMERA IN jack.

* You can also change these settings through the AV menu (<Settings>, page 71).

5



6



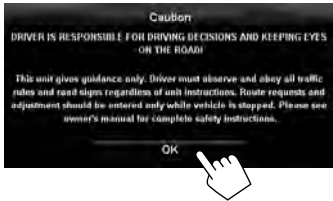
Basic operations

Turning on the power

Turn on the ignition switch.

Startup screen appears for about 5 seconds.

- You can change the startup screen. (☞ page 71)
- When displaying the map screen for the first time after turning on the power, the screen below appears. Press **[OK]** to use the map screen.



- The power is turned off when the ignition switch is turned off.

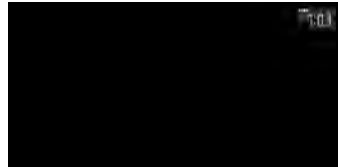
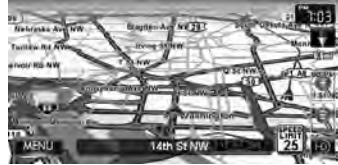
Messages about the status of GPS signal reception



Current status of the GPS signal reception

"Check GPS Antenna"	Check the connection of the GPS antenna.
"Acquiring GPS Signal"	<ul style="list-style-type: none"> Acquiring GPS signals. Wait until signal reception is completed. GPS signals cannot be received. Move to the place where the System receives the GPS signals.

Turning off/on the screen



The screen is turned on.

- You can erase the clock display while the screen is turned off. (<Clock on Video/Screen-Off>, ☞ page 70)

Operations on the touch panel

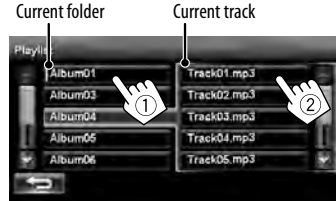
■ When items on the menu are not available



Non-available items will be shaded

■ To select folder/track on the list

Select a folder (①), then a track (②).



■ To change the page of menu/list

Menu

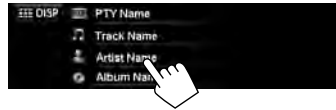
Current page/total menu pages



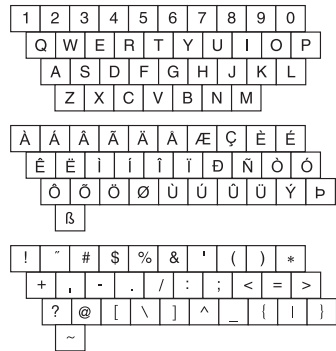
Changes the page

■ Scrolling the track/song information

When all the text is not shown at once...



■ Characters you can use



List

Ex.: Folder/track list

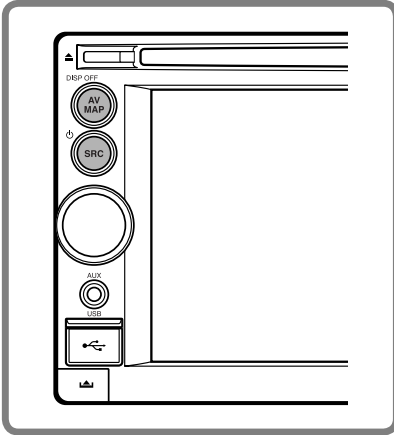
Changes the page



Skips the list up or down



Switching screens



Map screen



The AV control bar is displayed on the map screen. You can perform AV source operations using the AV control bar.

- Pressing **SRC** also displays the AV control bar. In this case, the AV control bar disappears automatically after 5 seconds.



Erases the AV control bar

- You can change the source by pressing **SRC** while the AV control bar is displayed.

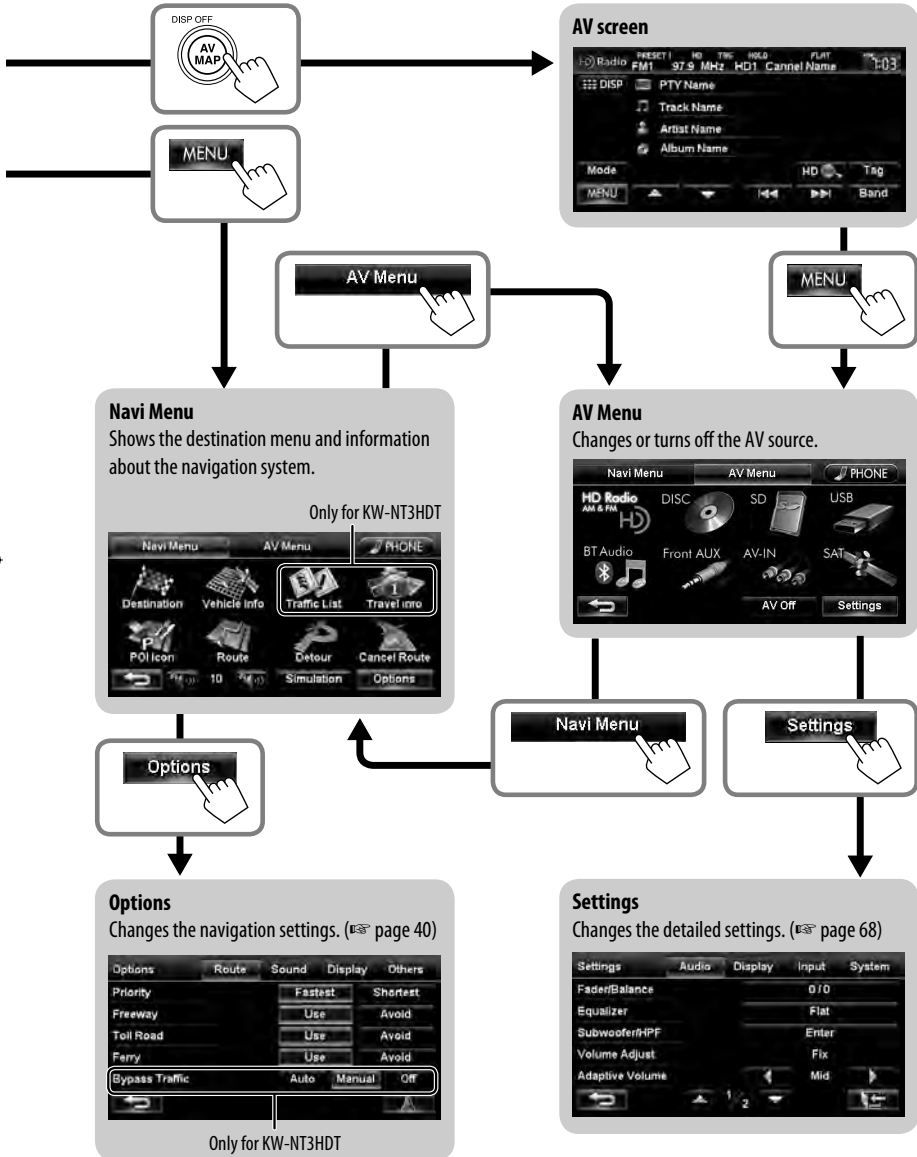
While driving at a speed greater than 6 mi (10 km/h), some screens on the navigation menu are not available.

- Press **←** to return to the previous screen.
- On navigation screens only:** press **▲** to display the current position on the map.
- On <Settings> on <AV Menu> only:** press **←** to display the current source screen.



Switching screens

ENGLISH





Navigation System

ENGLISH

Safety instructions/information for the Navigation System

SAFETY INSTRUCTIONS

Use of the Navigation System is only permitted if the traffic conditions are suitable and you are absolutely sure that no risk, obstruction or inconvenience will be incurred to you, your passengers or other road users. The requirements of the Road Traffic Regulations must always be followed. **The destination must not be entered while driving the car.**

The Navigation System serves solely as an aid to navigation. It never releases the drivers from their duties to drive carefully and to make own judgement in road traffic. Inaccurate or incorrect instructions may happen to be given due to changing traffic conditions. The actual road signs and traffic regulations must therefore always be observed. In particular, the Navigation System cannot be used as an aid to orientation when visibility is poor.

This Navigation System must only be used for its intended purpose. The volume of the car radio/Navigation System must be adjusted so that external noise is still audible.

Navigation guidance is performed, based on the database, therefore, it may not be applicable to the current situation because of changes in traffic conditions (e.g. changes in tollroads, principal roads, one-way traffic, or other traffic regulations). In this case, observe the current traffic signs or regulations.

• Traffic signs should be observed carefully while driving using the Navigation System. Navigation System is only an aid. Driver must always decide whether or not to heed the information provided.

JVC does not accept liability for erroneous data provided by the Navigation System.

- Traffic guidance is restricted to passenger vehicles only. Special driving recommendations and regulations for other vehicles (e.g. commercial vehicles) are not included.
- **Do not operate the unit while driving.**

Terms of licence

You are granted a non-exclusive licence to use the database for your personal purposes. The present licence does not authorise the granting of sublicenses. Use of the data is only permitted in this specific JVC system. It is forbidden to extract or make further use of significant parts of the database content, or to duplicate, modify, adapt, translate, analyse, decompile or reverse-engineer any part thereof.

WARNING:

Road traffic regulations always take priority when a vehicle is being driven in traffic. Navigation System is only an aid. Errors may occur in individual data items/entries. At all times, the driver must decide whether or not to heed the information provided.

JVC does not accept liability for erroneous data provided by the Navigation System.

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Information/icons on the map

- The information on the map (such as street name, the POI information, and speed limit) may not be always displayed (for example, if the System does not have the information of the position).
- Home (🏠) and favorite point (★) icons are displayed after home/favorite points are registered.
- POI icons are displayed on the map depending on the <POI Icon> setting (📄 page 15) and the map scale is between 80 ft (25 m) and 800 ft (250 m).
 - The following icons are displayed when the map scale is between 80 ft (25 m) and 0.6 mi (1 km):
 - Airport icon in the travel category
 - Golf course icon in the leisure category
 - Gas station icons
- POI icons may not be displayed correctly when the System displays the wide area of map. In this case, zoom in the map to display the detailed map.

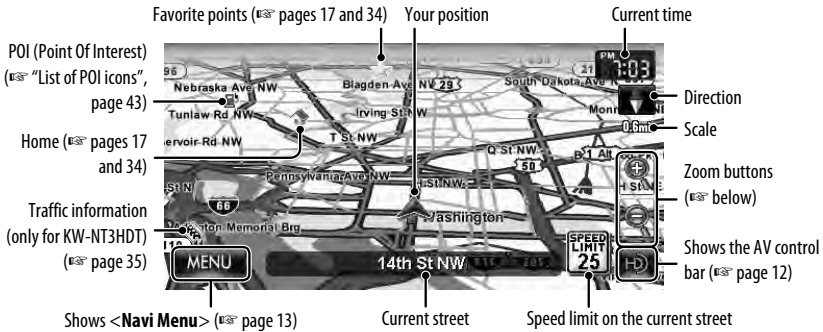




Basic operations

ENGLISH

About the current position screen



To display/hide POI icons on the map

1 On <Navi Menu>:



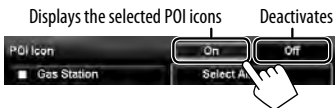
2 Select categories (1) and sub-categories (2) of POI which you want to be displayed on the map.



[Select All]: Selects all sub-categories
[Deselect All]: Deselects all sub-categories.

• The selected items are marked with "✓."

3 Activate or deactivate the POI icons of the selected categories.



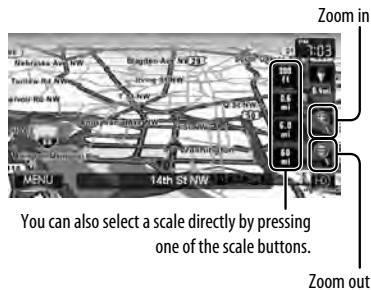
To change the map scale

1 Display the zoom buttons and scale buttons.



• When the AV control bar is displayed, the zoom buttons are not shown. Erase the AV control bar by pressing the source icon on the bar. (see page 12)

2



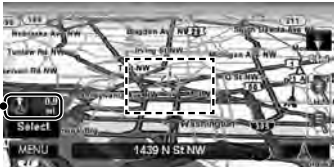


Basic operations

To scroll the map



The position you touched is centered on the map.



Direction and distance from your current position

- Touch and hold the map to keep scrolling the map.
- The scrolling speed varies depending on the position you are touching and holding:
 - Inner area: slow
 - Outer area: fast

To display the current position



To display your current position



To change the map view



3D Map

The three dimensional map is displayed in “heading up.”

- The icon shows the direction of north.

2D North Up

The map view is oriented with north “upwards,” as in usual paper maps.

- The icon shows the direction of the car.

2D Heading Up

The map rotates so that you are always displayed heading “upwards.”

- The icon shows the direction of north.

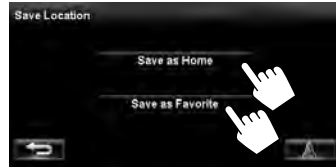
- You can also change the map view through the navigation menu (<Options> - <Display> - <View Mode>, page 41).



Registering your home/favorite points

You can register one point as your home or 100 favorite points.

4



1 Scroll the map to select the position you want to select as a destination.

- To search the destination using <Destination Menu>, see pages 19 to 28.

2



- If there are several POIs on the selected position, select one from the list.
 - The list appears only when <POI Icon> is set to <On>. (see page 15)



POIs

3



[Save as Home]:

The selected position is saved as home and the home is marked with icon on the map.

- **When the home is already registered**, you are asked if you want to replace the old home. Press **[Yes]** to replace, or press **[No]** to cancel.

[Save as Favorite]:

The selected position is saved as a favorite point and the favorite point is marked with icon on the map.

- To edit the registration, see page 34.





Searching for a place

ENGLISH

Setting a destination by scrolling the map

1 Scroll the map to select the position you want to select as a destination. (☞ page 16)

2



- If there are several POIs on the selected position, select one from the list.
 - The list appears only when <POI Icon> is set to <On>. (☞ page 15)

The search result is displayed.



Guidance starts.

- To cancel guidance, ☞ page 29.
- To set the selected position as via point, ☞ page 28.
- To change route options, ☞ page 29.
- For details about the search result screen, ☞ right.

About the search result screen

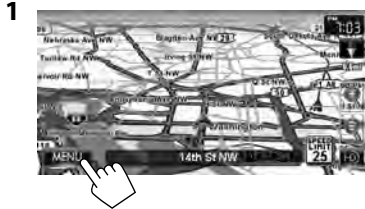


Zoom buttons

- You can change the map scale by pressing the zoom buttons.
- You can display the map of selected area on whole screen by touching the map part once. (If you press more than once, the map scrolls.) To display the information screen again, press [Select].
- The information screen is always displayed with the 2D North Up map view regardless of the current map view setting. (☞ page 16)



Setting a destination using the <Destination Menu>



3 Select a method to search for a destination.



Home*	Goes to your home. • To register your home, page 17 .
Previous*	Searches from the history of previous destinations and via points. • You can select a place from the last 50 destinations and via points. • To delete the history, page 39 .
Favorites*	Searches from your favorite points. • To register your favorite points, page 17 . • To edit the information about the favorite points, page 34 .
Assistant POIs	Searches from the list of POIs (Point Of Interest) saved on the SD card using Street Director Assistant. (page 25)
Address	Searches by an address. (page 21)
Phone	Searches by a telephone number. (page 22)
POI Name	Searches from the database of POI. (page 23)
Vicinity	Searches for POIs (Point Of Interest) around your current position, the position selected on the map, the destination, or the route you are taking. (page 24)
Coordinates	Searches by coordinates of the destination. (page 25)
Quick Search	Searches for POIs of a registered category — [Quick Search 1]/[Quick Search 2]/[Gas Station] (Initial). (page 26)

* Selectable only when at least one place is registered.



Searching for a place

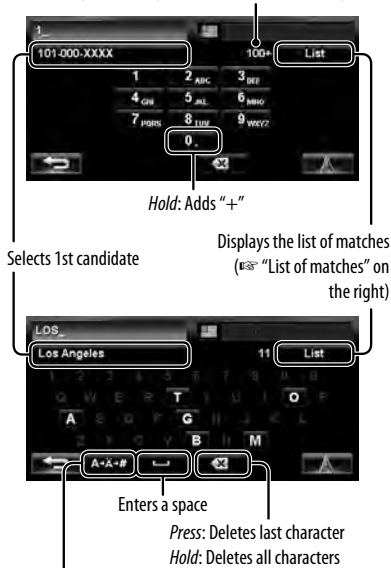
About search screens and input screens

Read through the following instructions for using search screens and input screens before using <Destination Menu>.

To enter names, addresses, or numbers

Number of matches

- When there are more than 100 matches, "100+" is displayed and only first 100 matches are displayed.



Displays other keyboards

- For available characters, see page 11.

- Buttons vary depending on the input item.
- Non-available items will be shaded on the menu screen.
- For some input screens, available characters are automatically narrowed down as the System searches its database for matches.
- Lower cases are not available.

State/Province selecting screen

You can change the State/Province if the selecting button appears on the screen.





List of matches

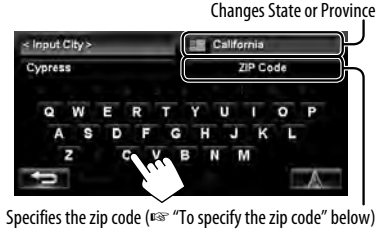
When you press [List] on the input screen, the list of matches appears. Select desired item from the list.



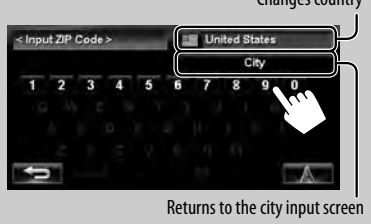
- When the number of matches is 5 or less, the list of matches automatically appears.

By address <Address>

- 1  → 
- 2 Enter the city name, then select from the list (☞ page 20).



To specify the zip code



- 3 Enter the street name, then select from the list (☞ page 20).

Selects the center of the city (Then, go to step 5.)



- 4 Enter the house number, then select from the list (☞ page 20).

- If no data of house number for the selected street is available in the database, select **[Middle of the Road]** or **[Intersection]**.



Continued on the next page



Searching for a place

To select the center of the street or intersection on the street

Specifies the crossing street to select intersection on the street



Selects the center of the street

5



Guidance starts.

- To cancel guidance, see page 29.
- To set the selected position as via point, see page 28.
- To change route options, see page 29.
- For details about the search result screen, see page 18.

By telephone number

<Phone>

1

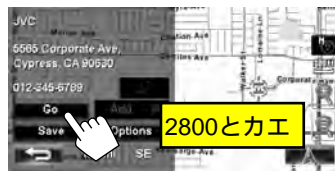


2 Enter the telephone number, then select from the list (see page 20).

Changes country



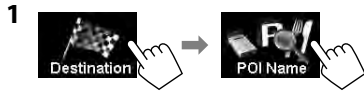
The search result is displayed.



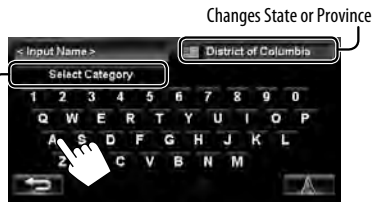
Guidance starts.

- To cancel guidance, see page 29.
- To set the selected position as via point, see page 28.
- To change route options, see page 29.
- For details about the search result screen, see page 18.

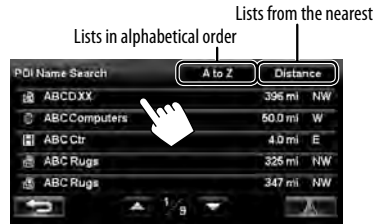
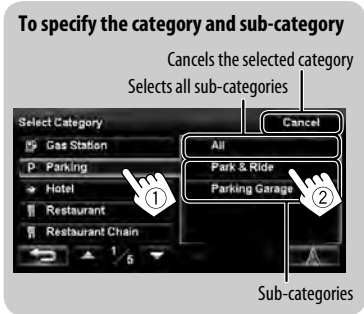
From the list of POI <POI Name>



2 Enter the POI name, then select from the list (☞ page 20).



Specifies the category and sub-category (☞ "To specify the category and sub-category" below)



The System displays up to 100 POIs.

The search result is displayed.



Guidance starts.

- To cancel guidance, ☞ page 29.
- To set the selected position as via point, ☞ page 28.
- To change route options, ☞ page 29.
- For details about the search result screen, ☞ page 18.





Searching for a place

POI near a place/route <Vicinity>

The System has a huge database of POIs (Point Of Interest), such as restaurants, gas stations, hospitals, etc.

You can search for a POI around the place where you are now. While guided, you can also search for a POI near the destination or along the route.

1



2 Select the area to search.



3 Select a category (①), then a sub-category (②) for the POI.

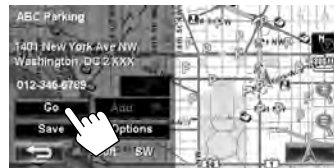


4 Select a POI from the list.



- The System displays up to 50 POIs.

The search result is displayed.



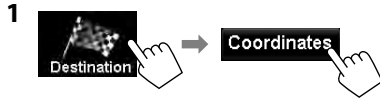
Guidance starts.

- To cancel guidance, page 29.
- To set the selected position as via point, page 28.
- To change route options, page 29.
- For details about the search result screen, page 18.

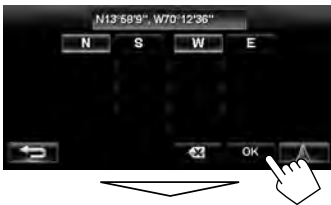
Local	Within 12.5 mi (20 km) of your current position or the position selected on the map. If no POI is found in this area, the System expands the area to search.
Dest.	Within 12.5 mi (20 km) of the destination. If no POI is found in this area, the System expands the area to search.
On Route	<ul style="list-style-type: none"> • On freeway: 180 mi (300 km) along the route you are taking. • Others: 15 mi (25 km) along the route you are taking.

By coordinates

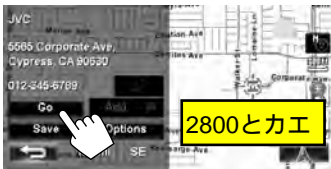
<Coordinates>



2 Enter the latitude and the longitude.



The search result is displayed.



Guidance starts.

- To cancel guidance, page 29.
- To set the selected position as via point, page 28.
- To change route options, page 29.
- For details about the search result screen, page 18.

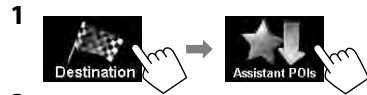
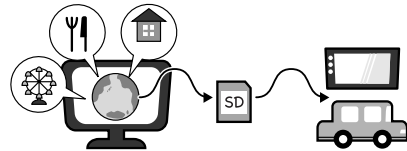
From the list of POIs imported by yourself <Assistant POIs>

Importing POI information on Google Maps

You can import POI information on Google Maps through an SD card.

For details about Street Director Assistant, visit <<http://www.jvc-exad.com>>.

- When the SD card is ejected, the imported POI cannot be used.



Lists in alphabetical order Lists from the nearest



The search result is displayed.



Guidance starts.

- To cancel guidance, page 29.
- To set the selected position as via point, page 28.
- To change route options, page 29.
- For details about the search result screen, page 18.



Searching for a place

Quick Search

You have three **[Quick Search]** buttons in **<Destination Menu>**. You can assign a POI category to each button. When you press one of the buttons, the System searches for a POI of the registered category.

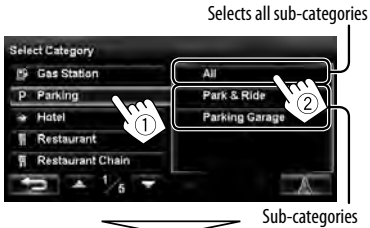
- **[Gas Station]** is registered to one of the three buttons when shipped from the factory. You can also change the registered category of this button.

To register a category to the buttons

- 1 Select one of the **[Quick Search]** buttons to register the category.



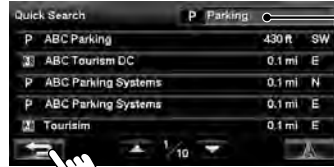
- 2 Select a category (①), then a sub-category (②) of the POI.



The search for the selected category starts to register it to the **[Quick Search]** button.

3

Registered category



- 4 Repeat steps 1 to 3 until three categories are registered.

The selected category (or sub-category) name is assigned to the button.

- The selected category is registered to the **[Quick Search]** button even if you cancel the searching before the search is completed.

To change a category assigned to the [Quick Search] button

- 1 Select one of the [Quick Search] buttons whose category you want to change.



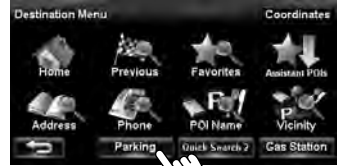
or



- 2 Perform steps 2 and 3 of "To register a category to the buttons" (page 26).

To use Quick Search

- 1



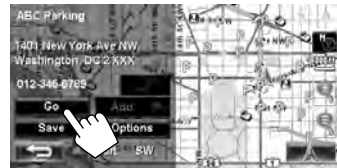
"Searching..."

- 2 Select a POI from the list.



- The System displays up to 50 search results.

The search result is displayed.



Guidance starts.

- To cancel guidance, page 29.
- To set the selected position as via point, page 28.
- To change route options, page 29.
- For details about the search result screen, page 18.



How you are guided

Starting guidance to the destination or via point

- 1 Select a destination or via point. (pages 18 to 27)
- 2 **To set as destination**



To change the destination



To set as via point

You can add the via points only after selecting your destination.



Via point

Destination

- You can select up to four via points.
- For editing your route, page 32.

The System starts calculating the route to the selected destination, and guidance starts.

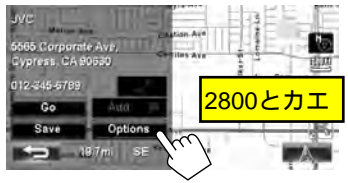


Cancels the calculation

To cancel guidance, page 29.

Changing route options

1 On the search result screen:



2 Set options.



Priority	Select the priority for route calculation ([Fastest]: fastest route/[Shortest]: shortest route).
Freeway	Select whether to use ([Use]) or avoid ([Avoid]) these types of options to go to the destination.
Toll Road	
Ferry	
Bypass Traffic (Only for KW-NT3HDT)	Select the route calculation method with traffic information. (☞ page 35)

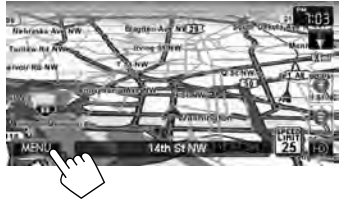
- You can also change these settings through the navigation menu (<**Options**> - <**Route**>, ☞ page 40).
- The settings are effective next time the System calculates a route.

3



Canceling guidance

1



2



A confirmation message appears.

Adjusting the volume of the voice guidance



- About the adjustable volume range, ☞ page 69 (<**Amplifier Gain**>).
- You can also adjust the volume through the navigation menu (<**Guidance Volume**>, ☞ page 40).





How you are guided

ENGLISH

About route guidance screen

Distance to the next turn

- Press to listen to the last voice guidance again.

Next street (Appears when coming within 3 mi (5 km) of it.)

Lanes to take

Next turn to make

The second turn to make (if any)

Route to take

Shows AV control bar

Direction and distance to the destination (📍) or a via point (📍)

- Press to switch the information between the final destination and the nearest via point.

Current street

Speed limit on the current street

🕒: Estimated time of arrival (ETA)

🕒: Remaining time to the selected destination or a via point

- Press to switch the information between estimated time of arrival (ETA) and remaining time.

Guidance at turns

When you approach a turn, the System guides you with voice guidance and indications on the screen.

- Guidance voice comes out only through the front speakers (and the F OUT jacks on the rear).



Magnified map

- You can select whether or not to display the magnified map through the navigation menu (<Options> - <Display> - <Magnified View>, 📄 page 41).
- When you reach the area approximately within 120 ft (40 m) around the destination/via point, the Navigation System considers you to have reached your destination/via point.

To remove the magnified map, touch the map part on the right side of the screen.

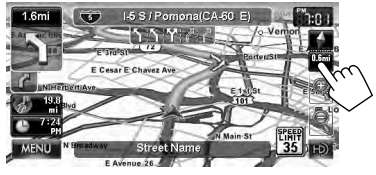
What if I miss a turn?

Don't worry. The System calculates a new route quickly.



Getting information on your route and places

To check the entire route



Returns to previous screen

To confirm how your trip will go



Drive simulation starts.



Shows the simulation just before the next turn

Changes the speed of the drive simulation (normal/faster)

To check the information on the destination and via points

1



2 Select a desired point to check its detailed information.



To cancel the simulation and resume guidance



A confirmation message appears.



Arranging your route

Changing the sequence of the destination/via points

- Highways are always used to calculate the route if distance to a destination exceeds a certain distance.
- If the destination cannot be reached without using highways, ferries, or toll roads, they are used to calculate the route without respect to the <Route> settings. (☞ page 40)

1

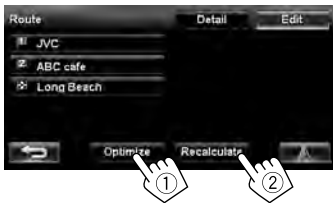


2

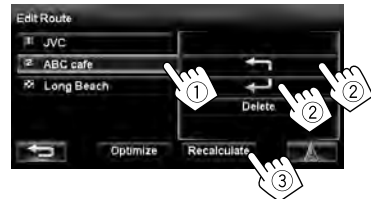


3 Change the sequence of the destination/via points.

To optimize the sequence



To rearrange the sequence manually



[↶]: Moves up the order of selected point.

[↷]: Moves down the order of selected point.

- Repeat ① and ② to move other via points before pressing [Recalculate].

The System starts calculating the new route, and guidance starts.

To delete a via point

Press [Delete] after selecting the item you want to delete, then press [Recalculate].





Avoiding a congestion ahead

If you realize a congestion exists ahead...

1



2 Select the distance to avoid.



A detour is calculated, and guidance starts.

- A detour may not be calculated depending on the route.

Adjusting the vehicle position

If you find your current position is displayed on a wrong place on the map, use this setting to correct your position.

1



2



3



4 Move the cursor to the position where you want to set as current position.



5 Adjust the direction.



Editing registration of home/favorite points



2 Select a registered point you want to edit.

Selects your home

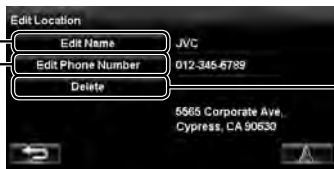


Displays the favorite point list and select one to edit on the list.



4 Edit the information.

(A) Displays the name editing screen

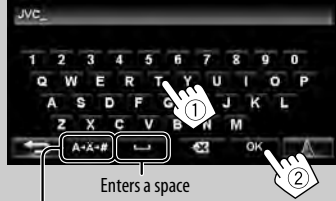


(B) Displays the phone number editing screen

(C) Deletes the registration

(A) To edit the name

- You can use up to 30 characters.



Displays other keyboards

- For available characters, see page 11.

(B) To edit the phone number



(C) To delete the registration



A confirmation message appears.

To delete all registered items, see page 39.



Using information service (Only for KW-NT3HDT)

This function is available on KW-NT3HDT only, not equipped with on KW-NT3HD.

ENGLISH

Using the traffic information service

As the traffic information is transmitted by radio stations, JVC cannot assume responsibility for the completeness or accuracy of the information.

Traffic information on the map

Traffic icon (☞ page 36)



Congestion

- Traffic icons are displayed on the map when its scale is between 80 ft (25 m) and 1.5 mi (2.5 km) with <Traffic Icon> setting activated (☞ page 41).

How traffic information is reflected in navigation

The traffic information is reflected in navigation differently according to <Bypass Traffic> setting.

1



2



Auto	The System automatically calculates a new route when you approach a traffic event.
Manual	Operating buttons appear on the screen when you approach a traffic event. Recalculate the route manually. (☞ below)
Off	The System does not take traffic information into account.

- It may not avoid a congestion even if <Auto> is selected.

When <Manual> is selected...



- Shows the detail of the alert
- Recalculates the route
- Ignores the traffic alert
- Appears when you approach a traffic event on your route

- The traffic alert indication disappears while you are checking due to a change of traffic conditions. The traffic alert indication also disappears if you do not confirm the rerouting in one minute.



Using information service (Only for KW-NT3HDT)

This function is available on KW-NT3HDT only, not equipped with on KW-NT3HD.

Checking the traffic information

From <Traffic List>



2 Select a list (1), then a traffic alert (2).



The icons of traffic alert which are not on your route are shown in gray when all the information is displayed.

[All]: Lists all the information.

[On Route]: Lists the information on your route.

Details of the selected alert are displayed.



On the map

1 Touch the traffic icon.



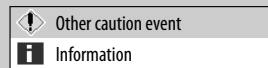
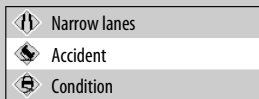
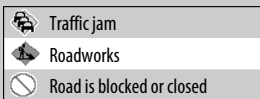
2



- If there are several POIs on the selected position, select one from the list.
 - The list appears only when <POI Icon> is set to <On>. (page 15)



List of traffic icons





Using information service (Only for KW-NT3HDT)

This function is available on KW-NT3HDT only, not equipped with on KW-NT3HD.

ENGLISH

Using the area information service (Total Traffic HD NETWORK Service)

You can use the information service provided by HD Radio broadcasts.

- The contents of the information service depends on the HD Radio station.

To display the information screen



The information screen appears.

- The contents of the screen depend on the broadcast.

To bookmark favorite items

You can store favorite items on the bookmark list.

: Displays the bookmark list.

: Adds the selected item to the bookmark list.

To delete the item from the bookmark list



- 2 Select items to delete (1), then delete them (2).

The selected items are marked with "✓."

Selects/deselects all items





Checking the information of the navigation system

ENGLISH



GPS

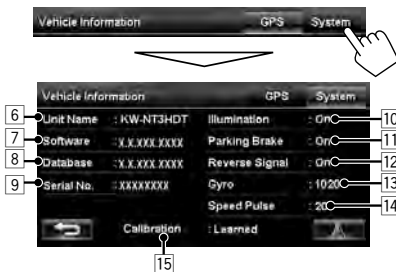


Satellites

- (Green): Receiving the GPS signals and used for the positioning.
- (Yellow): Receiving the GPS signals.
- (Gray): Not receiving the GPS signals.

- 1 Current speed*1
 - 2 Direction of the car*1
 - 3 Latitude and longitude of your current position*1
 - 4 Altitude of your current position*1
 - 5 Date/Local time
- When the System cannot receive the GPS signals, the value of each item above are shown as "-."

System



- 6 Name of the unit
- 7 Version of the software

- 8 Version of the map database
- 9 Serial number
- 10 Connection status of the illumination control lead
<On>: The illumination signal is detected.
- 11 Connection status of the parking brake lead
<On>: The parking brake is engaged.
- 12 Connection status of the reverse gear signal lead
<On>: Reverse gear signal is detected.
 - If the rear view screen is displayed when shifting the gear to the reverse (R) position, the reverse gear signal is detected (<On>).
- 13 Status of the gyroscope
- 14 Speed pulse rate
- 15 Status of calibration*2 *3
<Processing>: The current position cannot be determined without data from GPS satellites.
<Learning>: The current position can be determined even when the System cannot receive data from GPS satellites.
<Learned>: The current position can be determined accurately even when the System cannot receive data from GPS satellites.

*1 This information may not be shown correctly when the reception of GPS signals is poor.

*2 The calibration does not function without the connection of GPS antenna and the speed signal lead. For the connection, see Installation/Connection Manual (separate volume).

*3 Driving under various conditions completes the calibration faster. If <Processing> remains on the screen for long period, check the connection of the GPS antenna and the speed signal lead.



Initializing memories/navigation settings

ENGLISH



Memories of home, favorite points or previous destination/via points



	Deletes your home.
	Deletes all favorite points.
	Deletes all the places in the list of previous destinations/via points.

Calibration Data

The Navigation System is gradually optimized by automatic calibration.

Reset the calibration data in the following cases:

- When you reinstall the unit in another car.
- When you replace or rotate the tires.



Navigation settings



The initial settings of the navigation menu are restored.

A confirmation message appears.





Navigation menu items

ENGLISH

Navi Menu—Options

Switches the category by pressing the corresponding tab



	Menu items	Selectable settings	Initial: <u>Underlined</u>
Route	Priority	<u>Fastest</u> , Shortest (☞ page 29)	
	Freeway/Toll Road/Ferry	<u>Use</u> , Avoid (☞ page 29)	
	Bypass Traffic (Only for KW-NT3HDT)	Auto, <u>Manual</u> , Off (☞ page 35)	
	Attention tone*	Select the type of attention tone, coming out before the voice guidance by pressing [◀] or [▶]. <u>Off</u> , Normal, Prompt, A.I.	
	Guidance Volume*	Adjust the volume of the voice guidance. (The adjustment does not affect the audio volume.) <u>0</u> to 20; Initial <u>10</u>	
	Output*	Select the guidance output channel (for front channel only). (This setting does not affect the output balance (Fader setting) of AV source.) <u>L ch.</u> , L+R ch., R ch.	
Sound	Music Mix	You can turn down the volume of the AV source while voice guidance is produced. Muting: The AV source sound does not come out. Att.: The AV source sound is lowered. Normal: The AV source sound is not affected.	
	Speed Alert	The System sounds an alarm when you surpass the speed limit of the current road by the set value. Press [+] or [-] to select the value. The unit ("km/h" or "mph") follows the <Scale unit> setting. (☞ page 41) <u>Off</u> , 3mph (5km/h), 6mph (10km/h), <u>10mph (15 km/h)</u> , 15mph (25km/h), 20mph (35km/h)	
	POI Alert	Alert sounds when you approach within 0.2 mi (300 m) of a POI of the selected category. (You can select any categories from the following; Gas Station, Parking, Car Rental and Car Dealer & Service.) • To select categories for POI alert, press [Edit], then select categories and sub-categories (the selected items are marked with "✓"). To activate POI alert for selected categories, press [On]. To deactivate it, press [Off].	

* When adjusting these items, test tone is produced.





Navigation menu items

ENGLISH

	Menu items	Selectable settings	Initial: <u>Underlined</u>
Display	View Mode	2D, 2D, 3D (☞ page 16)	
	Magnified View (☞ page 30)	On: A magnified map is displayed when approaching the next turn. Off: No magnified map is displayed.	
	Vehicle Icon		
	Color Configuration	Change the color of the map and the route you take for day time and night time. Press [Enter] to display the adjustment screen, then change the following settings: <ul style="list-style-type: none"> • Day Map Color/Night Map Color: <u>Normal</u>, <u>Soft</u>, <u>Vivid</u> • Day Route Color/Night Route Color: Select from 3 colors. To switch between the day color setting and night color setting, press [2].	
	Night Map Mode	Auto: Switches to the night screen when you turn on the headlights. <ul style="list-style-type: none"> • The illumination control lead connection needs to be completed. (☞ Installation/Connection Manual) On: Activates night screen. Off: Deactivates night screen.	
	Current Street Name	Select whether to show or hide the current street name on the map. Show , Hide (☞ page 15)	
	Speed Limit Sign	Select whether to show or hide the speed limit icon on the map. Show , Hide (☞ page 15)	
	One Way	Select whether to show or hide the information of one way road on the map. Show , Hide	
	Traffic Icon (Only for KW-NT3HDT)	Select whether to show or hide the traffic icon on the map. Show , Hide (☞ page 36)	
	Others	Scale unit	Select the measuring units for distance. <ul style="list-style-type: none"> • The unit setting you find at your first access to the menu varies depending on your State/Province selection in the initial settings (☞ page 9). km , mile
WAAS / EGNOS		Select whether to use WAAS and EGNOS to increase the accuracy of positioning. <ul style="list-style-type: none"> • For some areas or conditions, the position accuracy may not be improved even if <On> is selected. In this case, select <Off>. On , Off	
Vehicle Position		☞ page 33	
Clear User Memory		☞ page 39	
Restore Navi Settings		☞ page 39	
Reset Calibration Data		☞ page 39	






































Additional information





























How you are guided

- If GPS signal reception is poor, navigation guidance may not be correct.
- The System may not receive GPS signals in the following places...
 - in a tunnel or parking lot in a building
 - under an overhead road
 - in a place surrounded by high buildings or by closely standing trees
- Make sure to connect reverse signal lead (see Installation/Connection Manual); otherwise, your current position may not be displayed correctly.
- The position of your car may not be detected correctly in the following cases...
 - when driving on a road close to the other one (e.g. a highway and ordinary road running in parallel)
 - when turning at an almost straight fork in the road
 - when driving on a gridiron road
 - after taking a ferry, etc.
 - when driving on a steep mountain road
 - when driving on a spiral road
 - when turning left or right after running on a long straight road
 - when driving in a zigzag line on a broad road
 - when starting your car shortly after starting the engine
 - when driving for the first time after installing the unit
 - when changing tires or attaching chains on the tires
 - when tire slip occurs continuously and frequently
 - after driving on areas other than a road (e.g. private lands or parking lots)
 - after driving in underground or tower type parking lots
 - after rotating your car on a turntable
 - after frequent stops and starts in a congestion
 - when the accuracy of GPS is deteriorated intentionally
 - when driving on a road constructed recently
- The route calculated by the System is one of the possible routes to your destination. The route is not always the most appropriate one.
- If no-exit roads (only entering the rotary from the roads is allowed) exist on the rotary, the no-exit roads can neither be shown in the route guidance on the display nor counted in the route guidance voice message.
- The following phenomena may occur even if the System is working correctly...
 - It may guide to a closed road or to a route requiring U-turn.
 - It may not guide to your destination if there is only a narrow road or no road to your destination.
 - It may show a different road name.
 - It may not ask you to turn at a junction even if you need to.
 - It may give guidance different from the actual road conditions.
 - It may give incorrect distance information.

List of POI icons

 Gas Station
 Parking
 Park & Ride
 Parking Garage
 Hotel
 Restaurant
 Restaurant Chain
 Desserts & Cafe
 Shopping
 Book Store
 Convenience store
 Fashion
 Flower & Jewelry
 Furniture
 Hair & Beauty
 Home Improvement
 Music & Video
 Office Supply
 Shopping Mall
 Sporting Goods
 Supermarket
 Toys
 Department & Grocers

 Special store
 Barnes & Noble Booksellers
 Bed Bath & Beyond
 Big5
 Blockbuster Video
 Borders
 Crate & Barrel
 Hollywood Video
 Home Depot
 IKEA
 Lowe's
 Movie Gallery
 Office Depot
 Office Max
 Sports Authority
 Staples
 Toys "r" us
 Electronics
 Wireless Carrier
 Leisure
 Amusement Park
 Bowling Center
 Camping Ground
 Golf Course
 Recreation Facility
 Ski Resort
 Tourist Attraction
 Travel Agency
 Zoo
 Entertainment
 Art Galleries
 Casino
 Museum
 Night Life
 Theater

 Travel
 Airport
 Rest Area
 Car Rental
 Car Dealer & Service
 Motorcycle Dealer
 Used Car Dealer
 Auto Service shop
 Bank
 Pharmacy
 Medical
 Dentist
 Emergency
 Hospital/Polyclinic
 Medical Service
 Community
 City Hall
 Community Center
 Court House
 Exhibition Center
 Government Office
 Library
 Place of Worship
 Police & Fire
 Post Office
 School
 Service
 University & College





AV Operations

ENGLISH

Common operations on AV screens

<AV Menu> screen

Selects the source (see below)



Turns off the AV source (see below)

Displays <Settings> (see pages 68 to 71)

Selecting the playback source



- Available sources depend on the external components you have connected, media you have attached and the <Front Aux Input>, <AV Input> or <Bluetooth Audio> settings you have made (see pages 70 and 71).
- You can erase the clock display while a video source is played back (such as DVD, video from an external component, or iPod video). (<Clock on Video/Screen-Off>, see page 70)

HD Radio	Switches to the radio broadcast. (see pages 45 to 49)
DISC	Plays a disc. (see pages 50 to 56)
SD	Plays files on an SD card. (see pages 57 and 58)
USB*	Plays files on a USB device. (see pages 57 and 58)
iPod*	Plays an iPod/iPhone. (see pages 59 to 61)
BT Audio	Plays a Bluetooth audio player. (see page 81)
Front AUX	Switches to an external component connected to the AUX input terminal on the monitor panel. (see page 65)
AV-IN	Switches to an external component connected to VIDEO IN/LINE IN jacks on the rear panel. (see page 65)
SAT	Switches to the satellite radio broadcast. (see pages 62 to 64)

* "iPod" is shown as the source instead of "USB" when an iPod/iPhone is connected.

You can also change the source by pressing repeatedly.

Turning off the AV source



or



AV source is turned off.

- To activate the AV function, press .





Listening to the HD Radio™ broadcast

ENGLISH

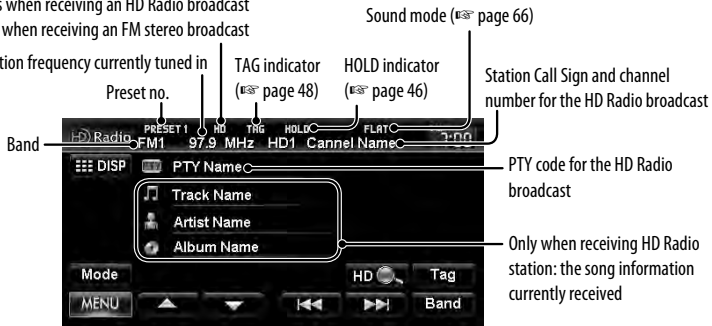
What is HD Radio™ broadcasting?

HD Radio stations can deliver high-quality digital sound—AM digital will have FM-like sound quality (in stereo) and FM digital will have CD-like sound quality—with static-free and clear reception. Furthermore, stations can offer text and data, such as artist names, song titles, and Program Service Data (PSD).

- HD Radio tuners can also tune in to conventional analog broadcasts.
- Many HD Radio stations offer more than one channel of programming. This service is called multicasting.
- By using PSD, you can easily purchase the songs at iTunes Store.
- To find HD Radio stations in your area, visit <<http://www.hdradio.com/>>.

Reception indicators

- HD: Lights when receiving an HD Radio broadcast
- ST: Lights when receiving an FM stereo broadcast



- When tuning into an HD Radio Multicast sub-channel directly (such as from the preset list), "Linking..." appears for a while.

[Band] Selects the band.
 → FM1 → FM2 → FM3 → AM

- Searches for a station.
Press: Auto search
Hold: Manual search
- Selects a sub-channel when receiving HD Radio Multicast channels.

[▲] [▼] Selects a preset station.

[Tag] page 48

[HD] Searches for HD Radio stations only.



[DISP] Switches between the preset list screen and tuner source screen.

[Mode] pages 46 to 48

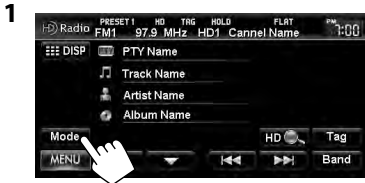


Listening to the HD Radio™ broadcast

Changing HD Radio reception mode

While receiving an HD Radio broadcast, you can change the reception mode — digital or analog.

- This setting cannot take effect for the conventional FM/AM stations.



Auto	Switch between digital and analog audio automatically. <ul style="list-style-type: none"> • In the case when the radio station forces the reception mode to digital, the HOLD indicator flashes.
Digital	Tuning to digital audio or analog audio only.
Analog	<ul style="list-style-type: none"> • HOLD indicator lights.

- The setting automatically returns to <Auto> in the following cases:
 - When you tune in to another broadcast.
 - When you change to another source.
 - When you turn off the power.

Storing stations in memory

You can preset six channels for each band.

Automatic presetting—SSM (Strong-station Sequential Memory)



A confirmation message appears.

Local stations with the strongest signals are searched and stored automatically.

To stop searching, press [**◀◀**] or [**▶▶**].

- During SSM search, all stations including conventional stations are searched and stored for the selected band.

Manual presetting

- 1 Tune in to a station or channel you want to preset. (See page 45)

Band The station frequency you want to preset



- 2 Display the preset list.



- 3 Select a preset number.



Selecting a preset station

- 1 Display the preset list.



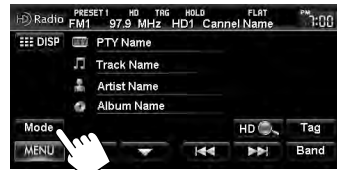
- 2



Also changes preset stations

Reducing the interference

- 1



- 2



Auto	Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.)
Wide	Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.

Listening to the HD Radio™ broadcast

Tagging/purchasing your favorite songs from iTunes Store

Some HD Radio broadcasts provide PSD (Program Service Data) for a song. You can tag the song and store its PSD while listening to the song.

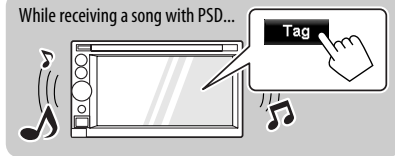
By using the tagging function, you can easily purchase the songs from iTunes Store.

Notes on storing tagged PSDs

- When pressing [Tag] within 10 seconds before or after the PSD changes (while the TAG indicator flashes), the tags for two songs are stored.
- You cannot tag a song in the following cases:
 - When the broadcast currently received does not support the iTunes Tagging or does not support PSD.
 - When stored PSDs on the unit exceeds 100.
 - When the song is already tagged.
 - While transferring the tagged PSDs to your iPod/iPhone is in progress.

- You can enjoy iTunes Tagging with the following types of iPod/iPhone models:
 - iPod classic, software version 1.0 or later
 - iPod nano (3rd Generation), software version 1.0 or later
 - iPod nano (4th Generation), software version 1.0 or later
 - iPod nano (5th Generation), software version 1.0 or later
 - iPod touch (1st Generation), software version 2.1 or later
 - iPod touch (2nd Generation), software version 2.1 or later
 - iPhone/iPhone 3G, software version 2.1 or later
 - iPhone 3GS, software version 3.0 or later

Step 1: Tagging the song



Lights up while receiving a song with PSD



The tagged PSD is stored on the unit.

- When iPod/iPhone is connected, the tagged PSD is automatically transferred to the iPod/iPhone. Go to **“Step 3: Purchasing songs from iTunes Store (page 49)”** to purchase the song.

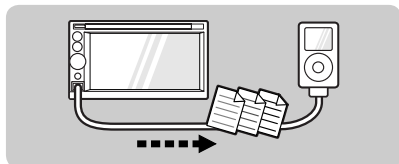
To check/delete the PSDs stored on the unit



The number of stored PSDs/max storage

Deletes all PSDs from the unit

Step 2: Transferring the tagged PSD to your iPod/iPhone



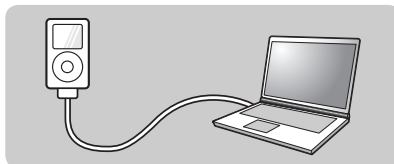
Connect the iPod/iPhone to the unit (see page 59).

The source is changed to "iPod," and the tagged PSDs are transferred automatically to your iPod/iPhone.



- After the data transfer is completed, the tagged PSDs are automatically deleted from the unit.
- Your iPod/iPhone must have 64 KB free space, which is required for transferring a tagged PSD.

Step 3: Purchasing songs from iTunes Store



- iTunes 7.4 or later version is required to purchase the tagged songs.
- For details about iPod/iPhone and iTunes, refer also to the instructions supplied with the iPod/iPhone or visit <<http://www.apple.com/>>.

1 Connect the iPod/iPhone to the PC.

2 Synchronize the iPod/iPhone to the iTunes.

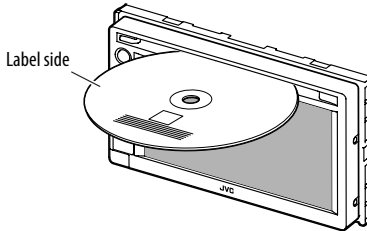
The tagged PSDs are transferred to PC, and iTunes displays the list of the tagged songs.

- After the data transfer is completed, the stored PSDs are automatically deleted from the iPod/iPhone.

Disc operations

1 Insert a disc.

The source changes to "DISC" and playback starts.



Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

- If a disc does not have any disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.

If "⊘" appears on the screen, the unit cannot accept the operation you have tried to do.

- In some cases, without showing "⊘," operations will not be accepted.

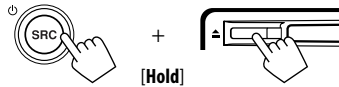
When playing back a multi-channel encoded disc, the multi-channel signals are downmixed.

To eject a disc



- You can eject a disc when playing another AV source.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.
- If the disc cannot be ejected, see page 4.

To prohibit disc ejection



A confirmation message appears.

To cancel the prohibition, repeat the same procedure.