

FOR CAR USE ONLY/NUR FÜR AUTOMOBIL GEBRAUCH/POUR APPLICATION  
AUTOMOBILE UNIQUEMENT/PARA USO EN AUTOMÓVILES/SOLO PER L'UTILIZZO IN  
AUTOMOBILE/ENDAST FÖR BILBRUK/ALLEEN VOOR GEBRUIK IN DE AUTO/ТОЛЬКО ДЛЯ  
ИСПОЛЬЗОВАНИЯ В АВТОМОБИЛЯХ/KUN TIL BRUG I BILEN



## Advanced Navi Station

# INE-S900R

QUICK REFERENCE GUIDE

Kurzanleitung

GUIDE DE RÉFÉRENCE RAPIDE

GUÍA DE REFERENCIA RÁPIDA

GUIDA RAPIDA

SNABBGUIDE

SNELSTARTGIDS

КРАТКОЕ СПРАВОЧНОЕ РУКОВОДСТВО

LYNGUIDE



iPhone 3GS  
16GB 32GB



iPhone 3G  
8GB 16GB



iPhone  
4GB 8GB 16GB



iPod touch  
2nd generation  
8GB 16GB 32GB 64GB



iPod touch  
1st generation  
8GB 16GB 32GB



**R·D·S EON**



**dts**<sup>TM</sup>  
2.0 Channel



**DOLBY**  
DIGITAL

**MP3 AAC**



**USB**  
PLAYBACK



**Bluetooth**<sup>®</sup>

EN

DE

FR

ES

IT

SE

NL

RU

DA

## EN

## IMPORTANT

STANDARD SERIAL NUMBER: W

ISO SERIAL NUMBER: AL

INSTALLATION DATE: \_\_\_\_\_

INSTALLATION TECHNICIAN: \_\_\_\_\_

PLACE OF PURCHASE: \_\_\_\_\_

EN-1

# Operating Instructions



## WARNING

**This symbol means important instructions. Failure to heed them can result in serious injury or death.**

### **DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

### **KEEP SMALL OBJECTS SUCH AS SCREWS OUT OF THE REACH OF CHILDREN.**

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

### **DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.**

This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.

### **KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.**

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

### **DO NOT DISASSEMBLE OR ALTER.**

Doing so may result in an accident, fire or electric shock.

### **USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.**

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

### **USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.**

Failure to do so may result in fire or electric shock.

### **DO NOT BLOCK VENTS OR RADIATOR PANELS.**

Doing so may cause heat to build up inside and may result in fire.

### **USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.**

Use for other than its designed application may result in fire, electric shock or other injury.

### **DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.**

Doing so may result in personal injury or damage to the product.

### **MAKE THE CORRECT CONNECTIONS.**

Failure to make the proper connections may result in fire or product damage.

### **BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.**

Failure to do so may result in electric shock or injury due to electrical shorts.

### **DO NOT SPlice INTO ELECTRICAL CABLES.**

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

### **DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.**

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

### **DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.**

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire, etc.

### **DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.**

Doing so may obstruct forward vision or hamper movement etc., and results in serious accident.



## CAUTION

**This symbol means important instructions. Failure to heed them can result in injury or material property damage.**

### **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.**

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

### **HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.**

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

### **USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.**

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally, or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

### **ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.**

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

### **DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.**



Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

# Basic Operation

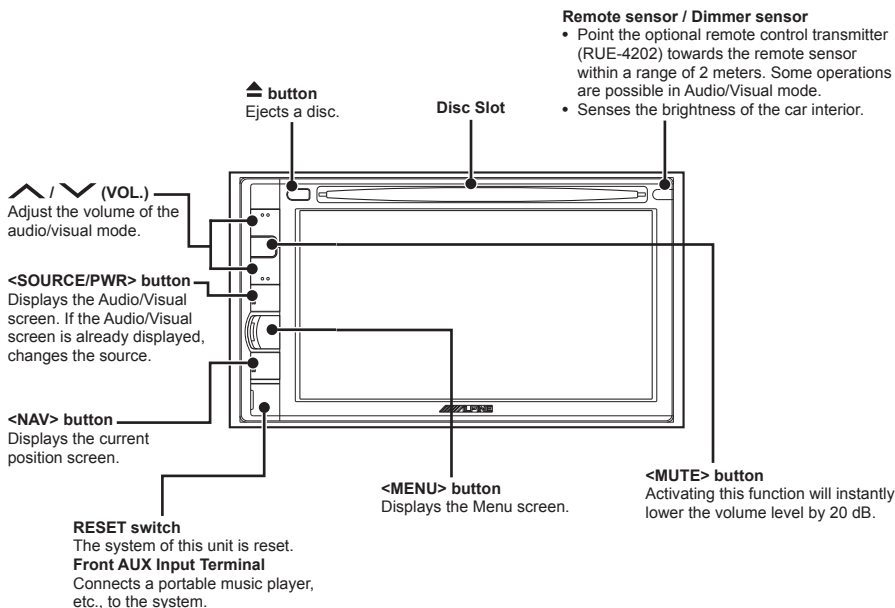
## Touch operation

You can operate the system by using the touch panel on the screen.

### Common touch switches

-  Returns to the previous screen. Depending on the function, this switch may cancel operations performed on the screen.
-  Closes the window.

## Location of Controls



## Turning Power On or Off

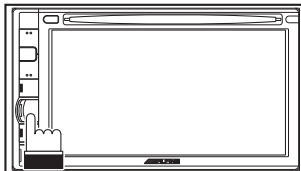
- 1 Turn the ignition key to the ACC or ON position.**  
The system is automatically turning on. After turning on, the opening screen appears first, and then the mode screen (map screen, radio screen, etc.) appears.
- 2 To turn off the system, press and hold the <SOURCE/PWR> button for more than 3 seconds.**  
The system is turned off.

# Menu screen Operation

Pressing the <MENU> button displays the Menu screen. You can perform various operations from this screen, such as for navigating a destination search, displaying the AUDIO/VISUAL mode main menu screen, or setting up the system.

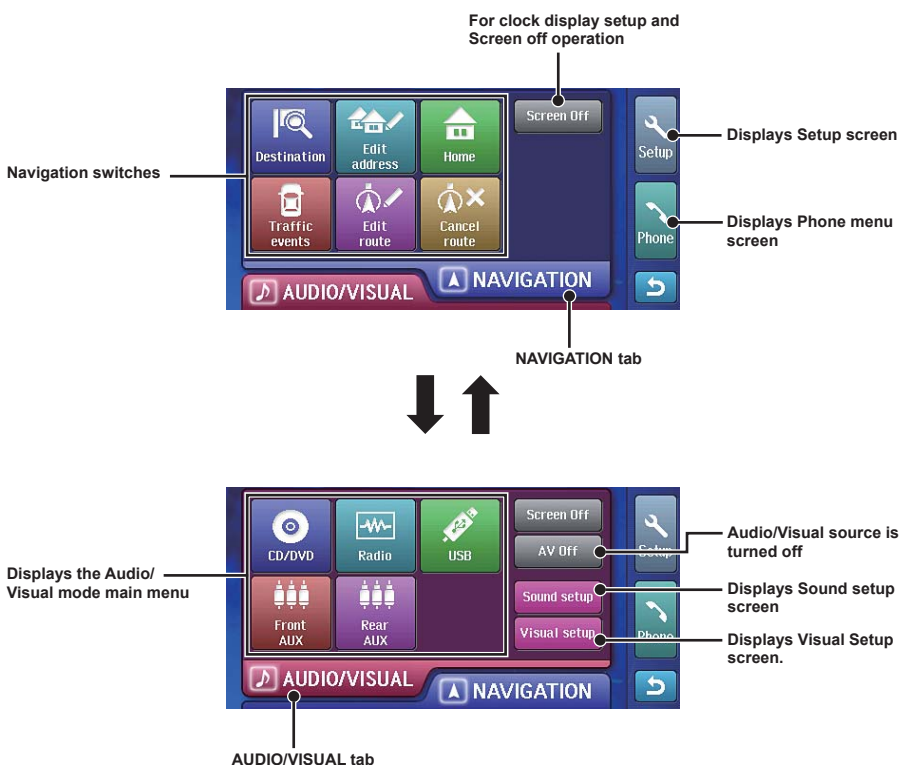
## 1 Press <MENU>.

The NAVIGATION menu screen or the AUDIO/VISUAL menu screen appears.



## 2 To change to the NAVIGATION menu screen, touch the [NAVIGATION] tab. To change to the AUDIO/VISUAL menu screen, touch the [AUDIO/VISUAL] tab.

Or, press <MENU> to switch the MENU screen.

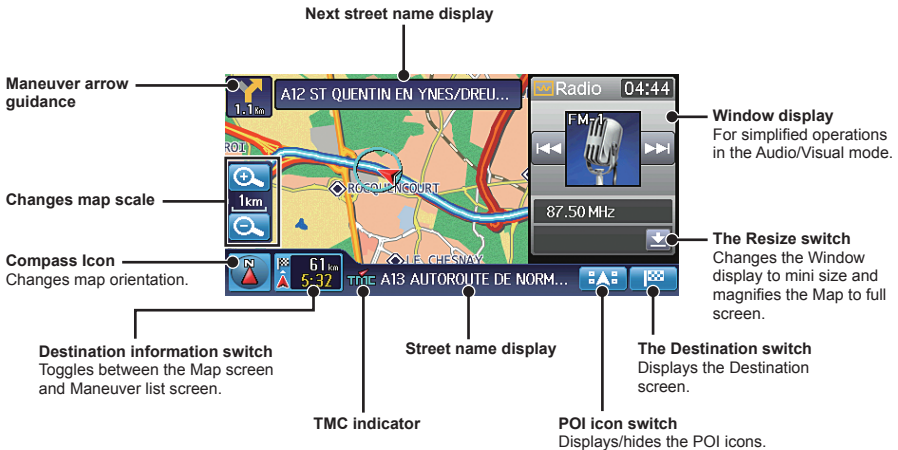


- The display of the AUDIO/VISUAL menu screen may differ, depending on the connected device or the setting.

# How to View a Navigation Screen

EN

## Current Vehicle Position Map



## Maneuver list screen



## 3D Map screen



## Guidance Display

### ■ Intersection guidance



### ■ Motorway junction guidance



- Other than the screens above, the Roundabout guidance or Border guidance, etc. will be displayed.

# Find a Destination and Start Route Guidance

The following operation is an example that shows how to search the address and start route guidance.

- 1-1** Touch [  ] on the Map screen.



The Destination screen is displayed.

- 1-2** Press <MENU> and touch [Destination].

The Destination screen is displayed.

- 2** Touch [Address search].



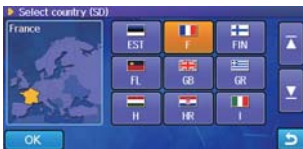
The Address search screen is displayed.

- 3** Touch the Country switch on the Search screen.



Country switch

The country (area) selection screen appears.



- 4** Touch the desired country (area) to select, and then touch [OK].

The Address search screen is displayed.

- 5** The street/city name input table for the destination appears. Input the city (locality) name.

When you touch [Street], input the street name.



- 6** Touch [OK].

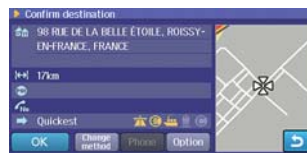
A list of street names will be displayed.

- 7** Touch the desired street name.

- If two or more addresses are found, they are displayed in the list.
- If the house number input table appears, input the house number.

The Confirm destination screen appears.

- 8** Touch [OK].



The system will begin calculating the route.

- 9** The system starts the route guidance.

# TMC Operation

## Setting for the TMC pay service

TMC pay services are available. Registration will be required for V-Traffic (France) and RTL (Italy).

Visit the Alpine Website (<http://www.alpine-europe.com/>) and select your country. On the website, select "Support" and then follow the instructions to complete the registration. An activate key will be issued. Input the activate key on this system as follows:

- For Traffic Master (GB), the system has already been activated when it is shipped, so you do not need to perform this operation.

- 1 Press <MENU>.
- 2 Touch [Setup].
- 3 Touch the [Navi] tab.



- 4 Touch [TMC].
- 5 Touch [Input] of V-Traffic (F) / RTL(I).



- 6 Enter the activate key.

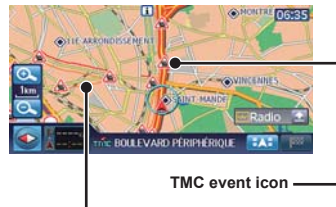


- 7 Touch [OK].

Activation is performed, and the system returns to the previous screen.

## TMC Information display

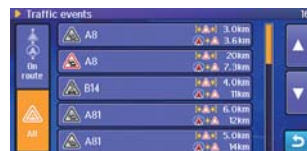
### TMC event icon map display



The lines display the distance between traffic events

### Traffic Event information display

- 1 Press <MENU>.
- 2 Touch [Traffic events].
- 3 Touch an event in the list.

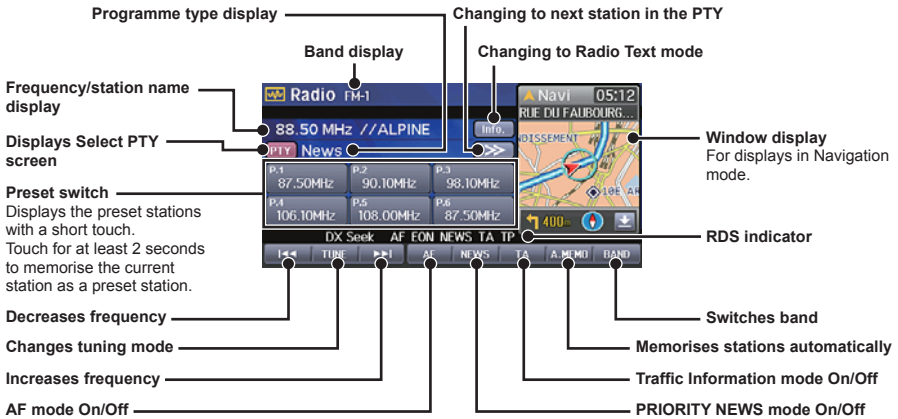


The detailed information of the selected event is displayed.





## Radio Operation



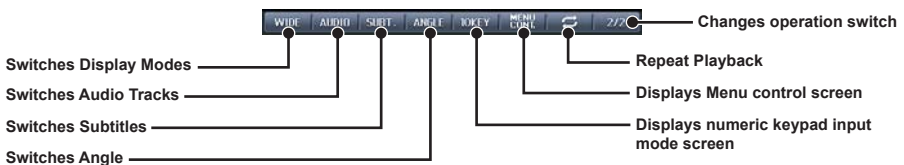
## DVD Operation

When you touch the DVD playback screen, the DVD operation screen is displayed. The following is an example of the DVD-VIDEO operation screen.

### Operation switch 1/2

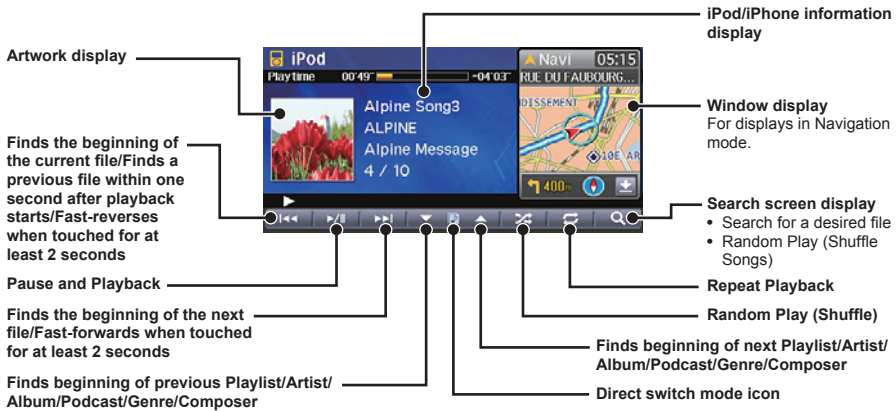


### Operation switch 2/2



## iPod/iPhone Operation (Optional)

An iPod/iPhone can be connected to this unit by using the cable (KCU-451iV) (sold separately). You can connect a video-capable iPod to enjoy not only Music but also Video files.



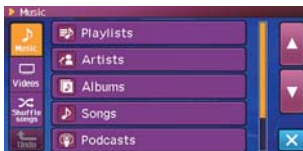
EN

### Searching for a desired Music File

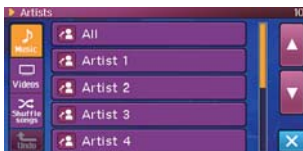
For example: Searching by Artist name.

**1** Touch [Q (Search)] during playback.

**2** Touch [Artists].



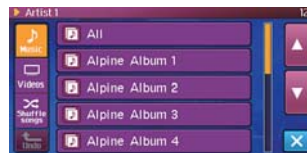
**3** Touch the desired artist.



The Album search screen of the selected artist is displayed.

Touching the desired artist for at least 2 seconds will play back all songs of the selected artist.

**4** Touch the desired album.



The Song search screen of the selected album is displayed.

Touching the desired album for at least 2 seconds will play back all songs of the selected album.

**5** Touch the desired song.

The selected song is played back.

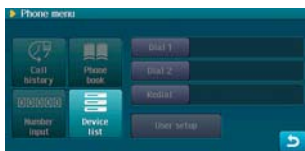
- Touching [All] will play back all songs in the list.

# Hands-Free Phone Control

Hands-free calls are possible when using an HFP (Hands-Free Profile) compatible mobile phone with the INE-S900R.

## How to connect to a BLUETOOTH compatible device (Pairing)

- 1** Press <MENU>.
- 2** Touch [Phone].
- 3** Touch [Device list].

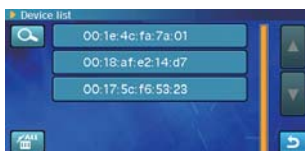


- 4** Touch [Q (Search)].

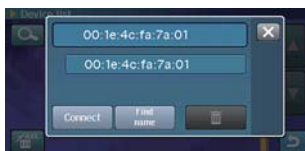


The system searches for nearby BLUETOOTH compatible device and shows them in a list.

- 5** Touch the mobile phone in the list you intend to connect to.



- 6** Touch [Connect].



The system shows the product name and device passcode, and waits for the mobile phone to connect to the system. Proceed to step 7 with the system displaying the above screen. For details on how to operate the mobile phone, refer to the Owner's Manual of the mobile phone.

- 7** Operate the mobile phone to search for the device name of the system, then authenticate it.
- 8** Enter the device passcode of the system into the mobile phone to register the system.

A message appears on the screen of the system, and the BLUETOOTH connection is completed.

- When you connect the mobile phone for the first time, the phone book is synchronised automatically.

## Answering a Call

- 1** When you get an incoming call, the system rings the ringtone and the incoming call message appears.



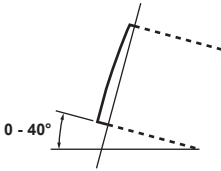
- 2** Touch [Answer] (green phone icon).
- The call starts.

## Hanging up the Telephone

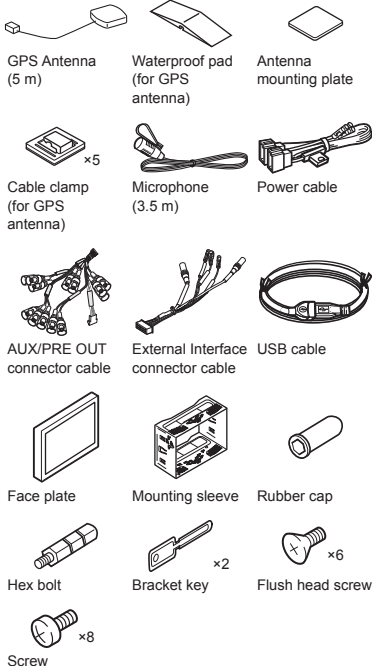
- 1** Touch [End call] (red phone icon).
- The call finishes.

# Installation

- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the INE-S900R to the fuse box, make sure the fuse for the intended circuit of the INE-S900R has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.
- The main unit must be mounted within 40 degrees of the horizontal plane, back to front.



## 1 Check accessory parts.



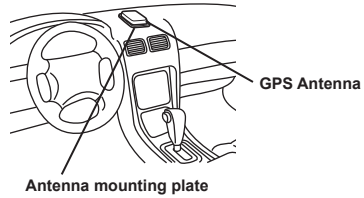
## 2 Mount the GPS Antenna on the roof.

Clean dust and oil at the mounting location and mount the GPS Antenna.



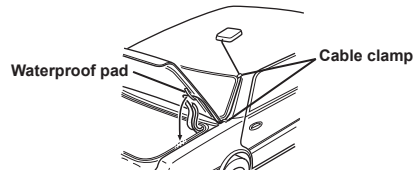
## ■ Mounting the GPS Antenna inside the vehicle.

- 1 Clean the mounting location.
- 2 Put on the GPS Antenna mounting plate.
- 3 Mount the GPS Antenna.

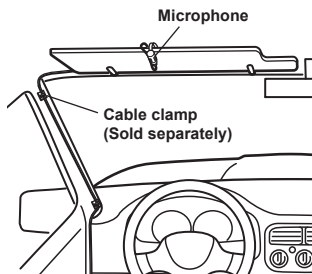


## 3 Routing the GPS Antenna cable.

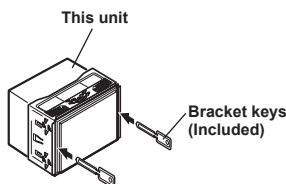
- 1 Route the cable using the provided cable clamps to take up the cable's slack.
- 2 Use the waterproof pad when running the cable under one of the vehicle's rubber gaskets.
- 3 Attach the cable at several points using the remaining cable clamps.



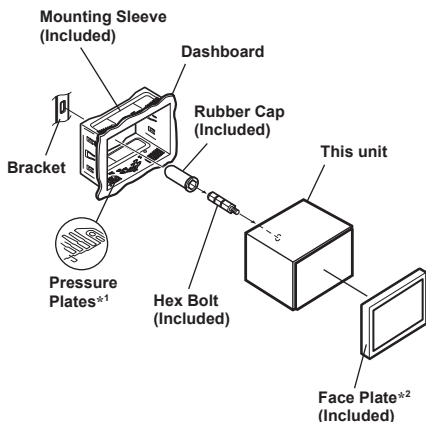
## 4 Mounting the Microphone.



## 5 Remove the mounting sleeve from the main unit.



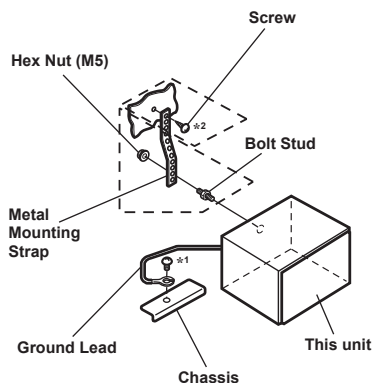
Slide the mounting sleeve into the dashboard and fix it with the metal shackles.



\*<sup>1</sup> If the installed mounting sleeve is loose in the dashboard, the pressure plates may be bent slightly to remedy the problem.

\*<sup>2</sup> The supplied face plate may be mounted.

## 6 When your vehicle has the Bracket, mount the long hex bolt onto the rear panel of the INE-S900R and put the Rubber Cap on the hex bolt. If your vehicle does not have the Mounting Support, reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (\*1) already attached to the vehicle's chassis. Connect all the leads of the INE-S900R according to details described in the CONNECTION section.



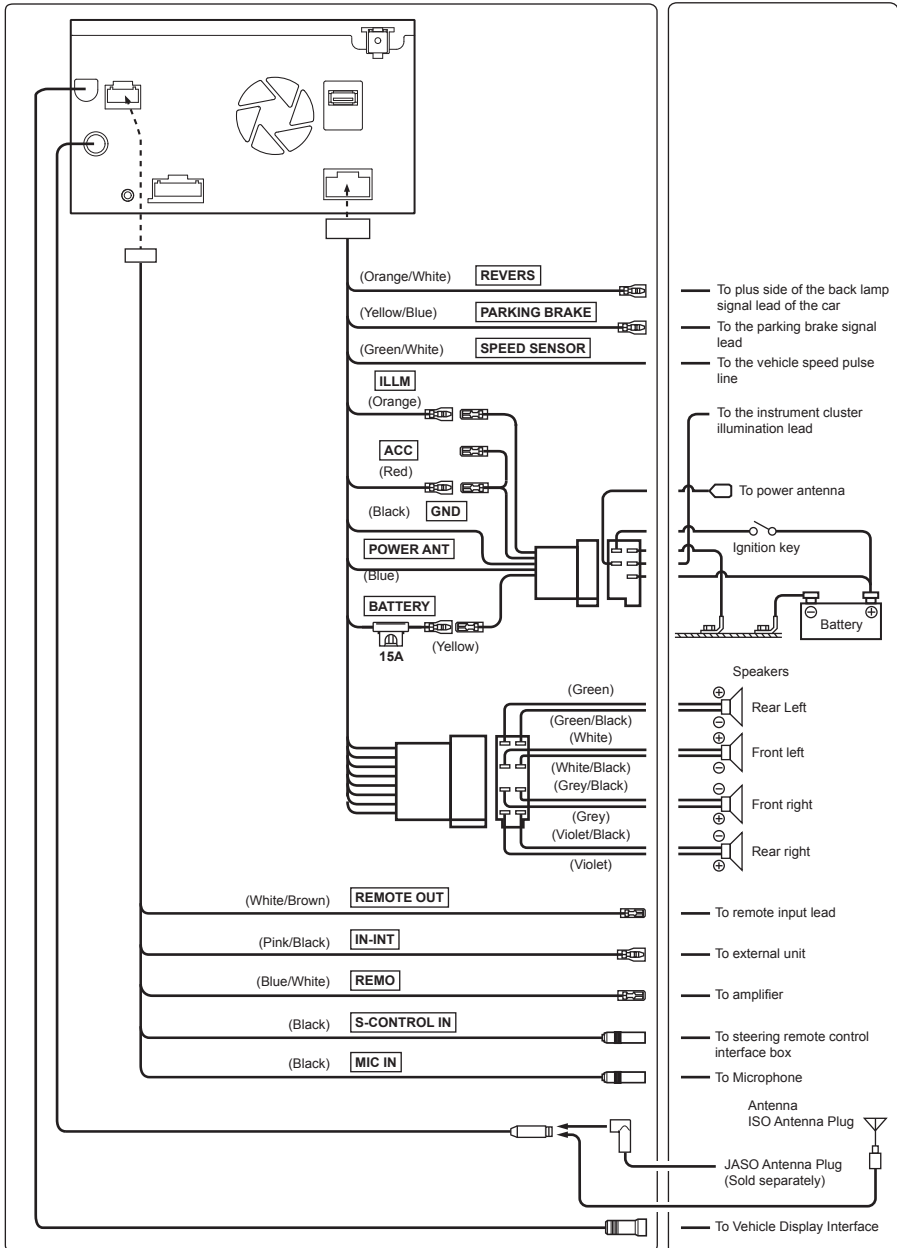
• For the screw marked “\*2”, use an appropriate screw for the chosen mounting location.

## 7 Slide the INE-S900R into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard.

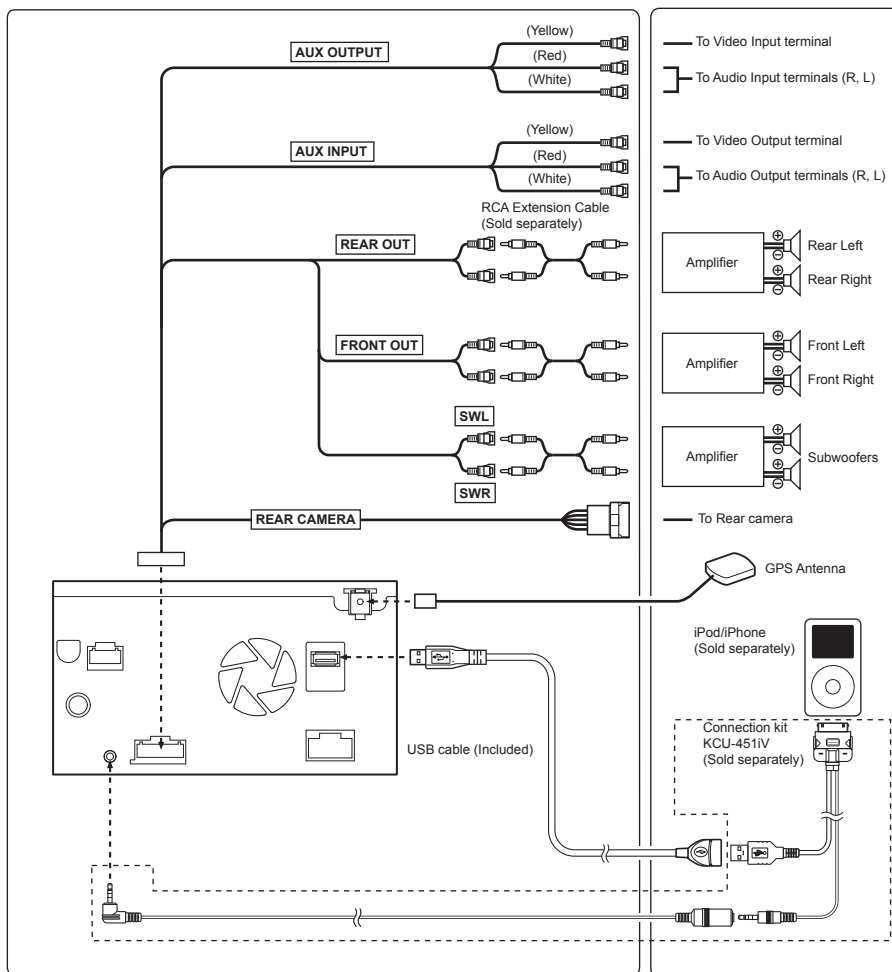
# Connections

## Connections 1/2

EN



## Connections 2/2



# Specifications

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## NAVIGATION SECTION

Reception frequency	1575.42 ±1 MHz
Reception sensitivity	-130 dB max.

## GPS ANTENNA SECTION

GPS Antenna type	Micro-strip planar aerial
GPS Reception frequency	1575.42 ±1 MHz
GPS Reception sensitivity	-130 dB max.
GPS Reception method	Parallel 12 channels
External dimensions	
Width	26 mm (1")
Height	12.9 mm (1/2")
Depth	26 mm (1")

## MONITOR SECTION

Screen Size	6.1"
LCD Type	Transparent type TN LCD
Operation System	TFT active matrix
Number of Picture Elements	336,960 pcs. (480 × 3 × 234)
Effective Number of Picture Elements	99% or more
Illumination System	LED

## FM TUNER SECTION

Tuning Range	87.5 - 108.0 MHz
Mono Usable Sensitivity	13.5 dBf (0.8 µV/75 ohms)
50 dB Quieting Sensitivity	13.5 dBf (1.3 µV/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

## MW TUNER SECTION

Tuning Range	531 - 1,602 kHz
Usable Sensitivity	22.5 µV/27 dBf

## LW TUNER SECTION

Tuning Range	153 - 281 kHz
Sensitivity (IEC Standard)	31.6 µV/30 dBf

## USB SECTION

USB requirements	USB 1.1/2.0
Max. Power Consumption	1,000 mA
USB Class	USB (Play From Device)/ USB (Mass Storage Class)
File System	FAT12/16/32
MP3 Decoding	MPEG-1/2 AUDIO Layer-3
WMA Decoding	Windows Media™ Audio
AAC Decoding	AAC-LC format ".m4a" file
Number of Channels	2-Channel (Stereo)
Frequency Response*	5-20,000 Hz (±1 dB)
Total Harmonic Distortion	0.02% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Signal-to-Noise Ratio	95 dB
Channel Separation	85 dB (at 1 kHz)

\* Frequency response may differ depending on the encoder software/bit rate.

## CD/DVD SECTION

Frequency Response	5 - 20,000 Hz
--------------------	---------------

Wow & Flutter (% WRMS)	Below measurable limits
Total Harmonic Distortion	0.02% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Channel Separation	85 dB (at 1 kHz)
Signal system	NTSC/PAL
Horizontal resolution	500 lines or greater
Video output level	1Vp-p (75 ohms)
Video S/N ratio	DVD: 60 dB
Audio S/N ratio	More than 105 dB

## PICKUP

Wave length	DVD: 666 nm CD: 785 nm
Laser power	CLASS II

## GENERAL

Power Requirement	14.4 V DC (11-16 V allowable)
Operating temperature	-4°F to +140°F (-20°C to +60°C)
Maximum Power Output	50 W × 4
Output Voltage	2,000 mV/10k ohms
Bass	±14 dB at 60 Hz
Treble	±14 dB at 10 kHz
Weight	2.3 kg (5 lbs. 1-1/8 oz)
Audio output level	
Preout (Front, Rear):	2V/10k ohms (max.)
Preout (Subwoofer):	2V/10k ohms (max.)
AUX OUT:	1.2V/10k ohms

## CHASSIS SIZE

Width	178 mm (7")
Height	100 mm (3-15/16")
Depth	160 mm (6-1/4")



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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.
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ALPINE ELECTRONICS MARKETING, INC.  
1-1-8 Nishi Gotanda,  
Shinagawa-ku, Tokyo 141-0031, Japan  
Phone 03-5496-8231

ALPINE ELECTRONICS OF AMERICA, INC.  
19145 Gramercy Place, Torrance,  
California 90501, U.S.A.  
Phone 1-800-ALPINE-1 (1-800-257-4631)  
1-888-NAV-HELP (1-888-628-4357)

ALPINE ELECTRONICS OF CANADA, INC.  
777 Supertest Road, Toronto,  
Ontario M3J 2M9, Canada  
Phone 1-800-ALPINE-1 (1-800-257-4631)  
1-888-NAV-HELP (1-888-628-4357)

ALPINE ELECTRONICS OF AUSTRALIA PTY. LTD.  
161-165 Princes Highway,  
Hallam Victoria 3803, Australia  
Phone 03-8787-1200

ALPINE ELECTRONICS GmbH  
Wilhelm-Wagenfeld-Str. 1-3,  
80807 München, Germany  
Phone 089-32 42 640

ALPINE ELECTRONICS OF U.K. LTD.  
Alpine House Fletchamstead Highway,  
Coventry CV4 9TW, U.K.  
Phone 0870-33 33 763

ALPINE ELECTRONICS FRANCE S.A.R.L.  
(RCS PONTOISE B 338 101 280)  
98, Rue de la Belle Etoile, Z.I. Paris Nord II,  
B.P. 50016, 95945 Roissy Charles de Gaulle Cedex,  
France  
Phone 01-48638989

ALPINE ITALIA S.p.A.  
Viale C. Colombo 8, 20090 Trezzano  
Sul Naviglio (MI), Italy  
Phone 02-484781

ALPINE ELECTRONICS DE ESPANA, S.A.  
Portal de Gamarra 36, Pabellon, 32  
01013 Vitoria (Alava)-APDO 133, Spain  
Phone 945-283588

ALPINE ELECTRONICS (BENELUX) GmbH  
Leuvensesteenweg 510-B6,  
1930 Zaventem, Belgium  
Phone 02-725-13 15

S/NO. LABEL