harman/kardon®

guide + play™
GPS-200GSEC, GPS-200IT and GPS-300WE

Portable Touchscreen Navigation System and A/V Media Player

User Manual

Contents

Battery Notes:

The Harman Kardon® GPS-200/300 uses a lithium-polymer battery. Under normal operating conditions, this battery will provide superior service with a lifespan that is superior to those of other battery types.

To protect the performance of your GPS-200/300 and its battery, please observe the following guidelines:

• Do not operate the GPS-200/300 in ambient temperatures outside of the following range: 14° F (–10° C) to 131° F (55° C).

• Do not store the GPS-200/300 even for short periods in ambient temperatures outside of the following range: –4° F (–20° C) to 140° F (60° C).

• Do not store the GPS-200/300 for long periods in ambient temperatures outside of the following range: 32° F (0° C) to 77° F (25° C).

The GPS-200/300 will not charge the battery at temperatures above 122° F (50° C).

guide + play™ GPS-200/300

Introduction

Your new GPS-200/300 is a powerful portable touchscreen navigation system and audio media player. The GPS-200/300's GPS-powered navigation features will make it easy for you with remarkable accuracy. Its audio player lets you listen to your favorite music while using the navigation system.

We know you're eager to start using your GPS-200/300, so we've included a Quick-Start Guide that will help you use its basic features right away. This User Manual contains detailed information about all of the GPS-200/300's features and functions. To get the most out of your GPS-200/300, please read it thoroughly.

Unpacking

Your GPS-200 or 300 box should contain these items:

• GPS-200 or 300 Unit
• Wall Charger (GPS-300 only)
• Car Charger
• USB Cable
• Fold-Flat Mounting Bracket
• Mounting Base Disc for Dash-Mounting
• Adhesive Pad for Mounting Base Disc
• Alcohol Cleaning Pad for Dash Surface
• Carrying Case
• Quick-Start Guide

If anything is missing, notify the dealer where you purchased your GPS-200/300 right away.
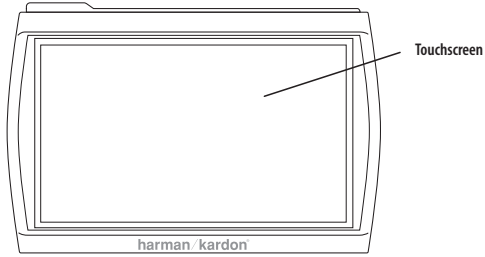
Unpack your GPS-200/300 carefully and save the box and packing materials so you can safely ship the unit in the future.
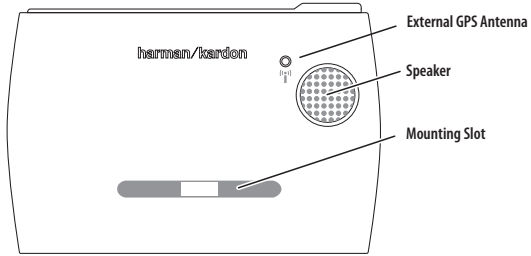

WARNING: Operation of any feature of this device while driving is dangerous. Do not operate this device while driving. Do not operate audio mode while driving.

Controls and Features

FRONT

Touchscreen

harman/kardon

BACK

External GPS Antenna

harman/kardon

Speaker

Mounting Slot

TOP

GPS Antenna

ON/OFF Button

SD Card Slot

BOTTOM

Reset Button

Mounting Slot

LEFT SIDE

RIGHT SIDE

Volume/Brightness Control

Headphone Jack

Lock Switch

Mini USB Connector/Charger Port

TMC Antenna Jack
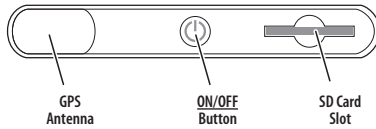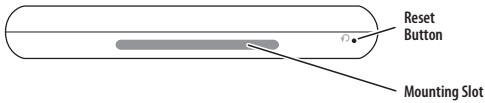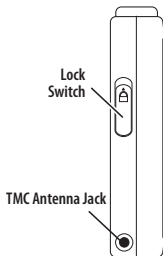
Controls and Features

Front:

Touchscreen: 480 x 272 pixel WQVGA LCD touchscreen.

Back:

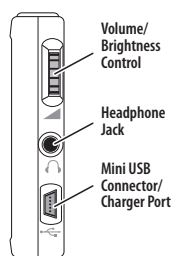**Speaker:** Built-in speaker plays navigation voice guidance commands and audio files that are stored on an SD memory card (see below).

Mounting Slot: Lets you lock the GPS-200/300 onto the included fold-flat mounting bracket for use in a vehicle.

External GPS Antenna: In case of problems with bad GPS reception (e.g. due to heat-reflecting windscreens) an external GPS antenna with mMCX connector can be plugged in here. Please note that the antenna only works if the GPS unit is connected to either AC or DC power.

Top:

GPS Antenna: Must have a clear "view" of the sky to receive signals from GPS satellites.

ON/OFF Button: Hold down to turn the unit on; hold down again to turn the unit off.

SD Card Slot: Accepts regular SD memory cards (not SD-HC) up to 4GB (not included). The SD card is required to store audio media to be played on your GPS-200/300.

Bottom:

Reset Button: Lets you reset the unit if it becomes unresponsive or won't power-off. Insert a paper clip or similar item into the small hole to press the switch. (Resetting the unit does not erase information that you have entered, such as your home location, etc.)

Mounting Slot: Lets you lock the GPS-200/300 onto the included fold-flat mounting bracket for use in a vehicle.

Left Side:

Lock Switch: Locks the GPS-200/300's touchscreen and all of its contols. This prevents accidental operation without your having to turn the unit's power off, so you can carry it in your pocket or purse.

TMC Antenna Jack: (Not GPS-200IT) Connect the TMC antenna to receive FM traffic information

Right Side:

Volume/Brightness Control: Adjusts the volume of the GPS-200/300's built-in speaker. The volume control will also adjust the volume of head-phones or an audio system that you have connected to the GPS-200/300's headphone jack (see below).

To adjust the brightness, press the volume control knob in. The Brightness indicator will be superimposed on the screen and you can change the screen's brightness by rotating the volume knob.

**HEADPHONE JACK:** Lets you connect headphones for personal listening. You can also connect the headphone jack to an auxiliary input on your vehicle's audio system.

MINI USB CONNECTOR/CHARGER PORT: Connects to your computer and to the included wall charger using the included USB cable (only GPS-300). Connects to your vehicle's cigarette lighter or accessory power port using the included car charger.

Before You Begin

Before you begin using your GPS-200/300, you will need to charge its battery for a minimum of 6 hours.

1. For GPS-300 only, plug the included wall charger into a wall outlet. GPS-200 may be charged by connecting to your pc with the USB cable, by the 12V car adapter or you may purchase an original wall adapter.

2. Use the included USB cable to connect the GPS-300's Mini USB Connector/Charger port to the wall charger.

1.   **2.**
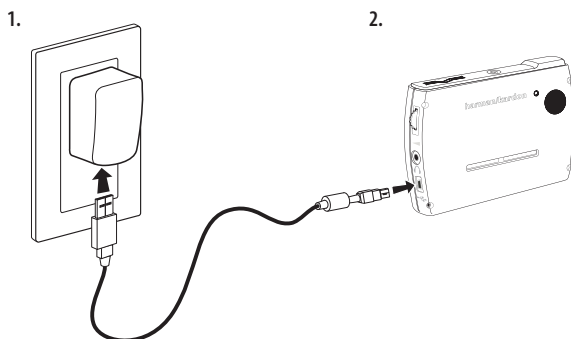
After the battery has charged for at least 6 hours:

1. Make sure the Lock switch is in the DOWN (unlocked) position.
2. Go outdoors to obtain GPS reception.
3. Hold down the ON/OFF button until the unit turns on.

1. Unlock Switch   **2. Go Outside to Receive GPS Signal**   **3. Turn Power ON**

guide + play™ GPS-200/300
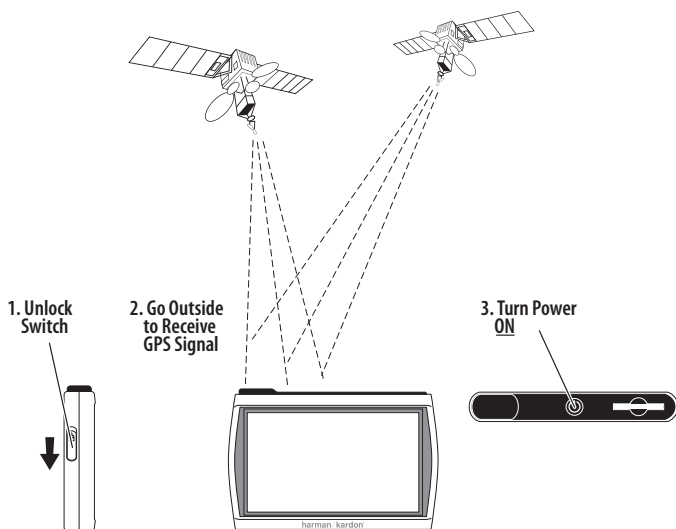
Initial Setup

When you turn your GPS-200/300 on for the first time, the Setup Wizard will appear. The Wizard will guide you through the GPS-200/300's initial setup steps:

1. Touch the button for the screen language you want to use Nederlands, English, Français, Deutsch, Italiano, Espagñol. (GPS-200 no Nederlands.)
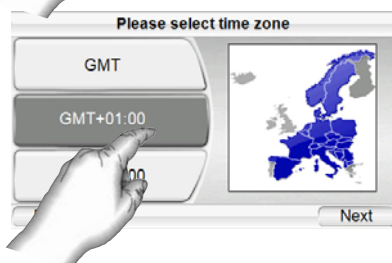
   Touch the NEXT button.

Please select language

Nederlands

English

ais

Next

2. Touch the button for the distance units you want to use (km/m, miles/ feet or miles/yards).

   Touch the NEXT button.

Please select distance units

KM

Miles/Feet

ards

50
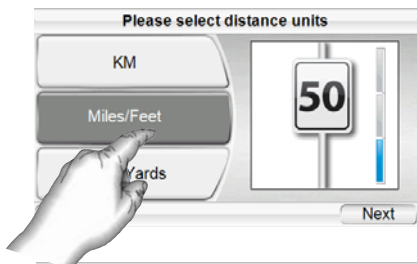
Next

3. Touch the button for the time zone where you are located.

   Touch the NEXT button.

Please select time zone

GMT

GMT+01:00

00

Next

4. Set the current local time. You can also set the clock to display either 12-hour or 24-hour time.

Please set the time

12:00   24:00

11 : 55

Back   Next
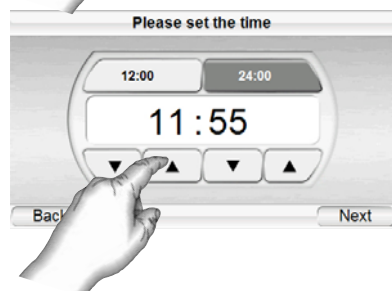
When you touch the NEXT button on the PLEASE SET THE TIME screen, the GPS-200/300 will display the NAVIGATION MAIN MENU screen (see page 9).

NOTE: Once you complete these initial setup steps, the Setup Wizard will not reappear. To change any of these settings, see *CHANGING NAVIGATION SETTINGS*, on page 18.

The geographic information provided by this device serves as a navigational aid only and does not include information pertaining to construction, road closures, speed restrictions, road or traffic conditions, or other circumstances relevant to public safety. The driver must always be aware of the actual road conditions and surroundings, and decide whether or not to follow the information provided by this device. Obey all traffic laws and observe safe driving practices. The manufacturer does not accept responsibility for any inaccurate or incomplete information provided by this device.

Navigation

After you complete the initial setup steps, the NAVIGATION screen (*right*) appears.

Planning a Trip

To begin navigation, touch the PLAN A TRIP button. The WHERE WOULD YOU LIKE TO GO? screen (*right*) appears.

The WHERE WOULD YOU LIKE TO GO? screen gives you several ways to plan your trip. You can enter a specific street address, choose a place from the GPS-200/300's extensive point-of-interest database, enter a city center, intersection or

postal code, or navigate to locations you have recently visited or saved. The GPS-200/300 also lets you store your home address so you can quickly enter it as your destination from wherever you happen to be.

ENTERING A STREET ADDRESS

1. Touch the ADDRESS button on the WHERE WOULD YOU LIKE TO GO? screen. The SEARCH screen appears (*right*).

2. Touch the appropriate button for the city you want to travel to.

   • If you select one of the city buttons, the ENTER CITY NAME screen (*below*) appears.

   • Changing the country by pressing SELECT COUNTRY (Not available in GPS-200IT). The ENTER CITY NAME screen (*right*) appears.

3. Spell the name of the desired city. When you have finished, touch the DONE button. The ENTER STREET NAME screen (*right*) appears.

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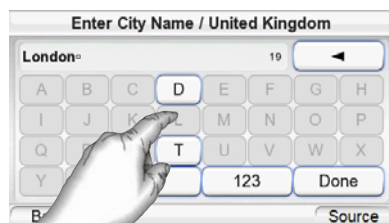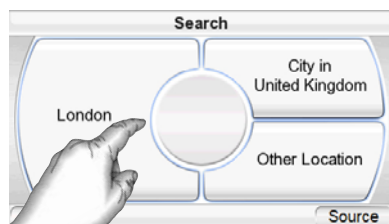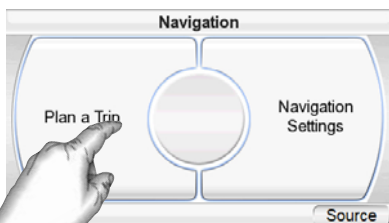
- In most cases, once you've entered some letters, the screen will display all of the cities that fit. Select the desired city from the list.

Enter Street Name / London

Oxford○ 40 ◄

A B C D E F G H
I J K L M N O P
Q R S T U V W X
Y Z 123 Done
Back Source

4. Spell the name of the street. When you are finished, touch the Done button. The Enter House Number screen appears.

- In many cases, once you've entered some letters, the screen will display all of the streets that fit. Select the desired street from the list.

5. Enter the desired address number. When you touch the Done button, the Confirm Address screen (*right*) appears.

6. Touch Go to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to your destination. (See *Navigating To Your Destination*, on page 14.)

Confirm Address

39 Oxford Avenue
London, Southgate N14 5

Go

View Map
Simulate
Save
Source
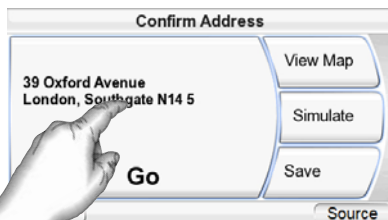
Please note when entering street and city names:

Special characters may not appear on the screen. This is no problem, as your GPS 200/300 translates the necessary characters. As an example: Enter "ü" as a "u", enter "ö" or "ø" as "o". Along these lines, enter special characters in the form of the ordinary character looking most like the one you need. The internal map will find and show the correct names.

Choosing a Place (POI) (from the GPS-200/300's database)
The GPS-200/300 has a built-in point-of-interest database with millions of entries in many different categories.
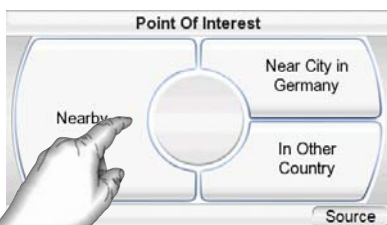
TO NAVIGATE TO A PLACE (POI)

1. Touch the PLACE (POI) button on the WHERE WOULD YOU LIKE TO GO? screen (see page 9). The FIND A PLACE screen (*right*) appears.

2. Select the desired area. The SELECT A CATEGORY screen (*right*) appears. (If you know the name of the place, you can enter it instead of searching by category.)

3. Use the up/down arrow buttons to find the desired category, then touch it. The SELECT PLACE (POI) screen (*right*) appears.

4. Use the up/down arrow buttons to scroll through the list of places, then touch the button for the place you want to go. The CONFIRM ADDRESS screen (*right*) appears.

5. Touch GO to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to your destination. (See *Navigating to Your Destination*, on page 14.)

SELECTING A CITY CENTER, INTERSECTION OR POSTAL CODE

The GPS-200/300 can guide you to a city center, to the intersection of two streets or to a specific postal code.

NAVIGATING TO A CITY CENTER:

1. Touch the CITY CENTER button on the WHERE WOULD YOU LIKE TO GO? screen (see page 9). The CITY CENTER SEARCH screen (*right*) appears.

2. Touch the appropriate button and enter the city's name. When you're finished, the CONFIRM ADDRESS screen appears (see next page).

Point Of Interest

Nearby

Near City in Germany

In Other Country

Source

Select a category

All Categories

Services

Transportation

Shopping

Back   Search   Hide   Source

Select Place

1250m London Pavilion
1 Piccadilly Circus, London, West End, United Kingdom

1300m Covent Garden Market
Market, London, Covent Garden, United Kingdom

Thomas Neals
9-41 Earlham Street, London, Covent Garden, United Kingdom

Victoria Place Shopping Centre
Buckingham Palace Road, London, Victoria, United Kingdom

Source

Confirm Address

London Pavilion
London, West End
United Kingdom
1 Piccadilly Circus
+(44)-(20)-74271838

Go

View Map

Simulate

Save

Source

City Center Search

City in United Kingdom

Other Country

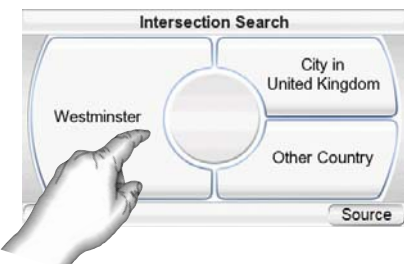Source

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3. Touch the Go button to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to the center of the city you selected. (*See Navigating to Your Destination,* on page 14.)
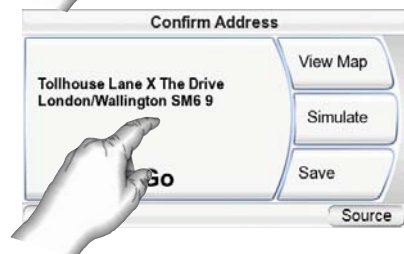

NAVIGATING TO AN INTERSECTION:

1. Touch the INTERSECTION button on the WHERE WOULD YOU LIKE TO GO? screen (see page 9). The IN WHICH CITY IS THE INTERSECTION? screen (*right*) appears.

2. Select the city. The ENTER STREET NAME screen appears.

3. Enter the name of the first street. When you are finished the ENTER SECOND STREET NAME screen appears.
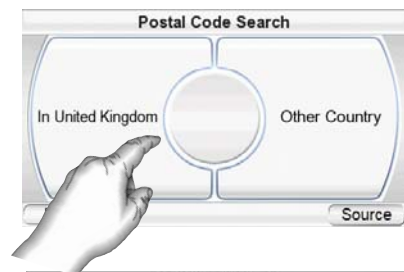
4. Enter the name of the second street. The CONFIRM ADDRESS screen (*right*) appears.

5. Touch the Go button to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to the intersection you selected. (See *Navigating to Your Destination*, on page 14.)

NAVIGATING TO A POSTAL CODE:

1. Touch the POSTAL CODE button on the WHERE WOULD YOU LIKE TO GO? screen. The FIND A POSTAL CODE screen (*right*) appears.

2. Select the country and enter the postal code. (You can change between letters and numbers by pressing "123" and "ABC"). The ENTER STREET NAME screen appears.

3. Spell the name of the street. When you are finished, touch the DONE button. The ENTER HOUSE NUMBER screen appears.

4. Enter the desired address number. When you touch the DONE button, the CONFIRM ADDRESS screen (*right*) appears.

5. Touch Go to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to the address you've entered. (See *Navigating to Your Destination*, on page 14.)

NAVIGATING TO YOUR HOME

The GPS-200/300 stores your home address so you can easily select it as a destination, no matter where you are.

1. Touch the HOME button on the WHERE WOULD YOU LIKE TO GO? screen (see page 9). The CONFIRM HOME ADDRESS screen (*right*) will appear.

2. Touch Go to begin navigation. The map screen will appear. Once you start driving the GPS-200/300 will

Confirm Home Address

2 Hanbury Drive
London, Winchmore Hill N21 1

View Map

Simulate

Go

Change

Source

guide you to your destination. (See *Navigating to Your Destination*, on page 14.)

NOTE: If you have not yet set your home address, the GPS-200/300 will have you do so.

NAVIGATING TO RECENTLY VISITED OR SAVED LOCATIONS

The GPS-200/300 stores a list of your recently visited locations in a HISTORY page and also lets you save locations to a special list. You can easily select your destination from either of these lists.

1. Touch the RECENT PLACES or SAVED PLACES button on the WHERE WOULD YOU LIKE TO GO? screen (see page 9). The HISTORY page (*right*) or the SELECT PLACE list (*right*) will appear.

Recent Places

Manchester
Manchester, Lancashire, United Ki...

Piccadilly
Piccadilly, Manchester M1 2

e Trafalgar
Spring Gardens, London, Strand

on
Great Scotland Yard, London, S...

Clear All

Source

2. Use the up/down arrow buttons to scroll through the list of places, then touch the button for the place you want to go. The CONFIRM ADDRESS screen (*right*) will appear.

Select Place

725km Hilton
11 Great Scotland Yard, London, Strand SW1A 2

959km Piccadilly
Piccadilly, Manchester M1 2

ABC

Source

3. Touch Go to begin navigation. The map screen will appear. Once you start driving, the GPS-200/300 will guide you to your destination.
(See *Navigating to Your Destination*, on page 14.)

Confirm Address

Hilton: The Trafalgar
London, Strand
United Kingdom
2 Spring Gardens
+(44)-(207)-8702900

View Map

Simulate

Go

Save

Source

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CONFIRM ADDRESS SCREEN OPTIONS

Besides touching the GO button to begin navigation, the CONFIRM ADDRESS screen (see page 13) also gives you these options:

VIEW MAP: Touch to see a map showing your destination. You can change the map view and zoom the view in and out (see *Map Screen Options*, on page 15).
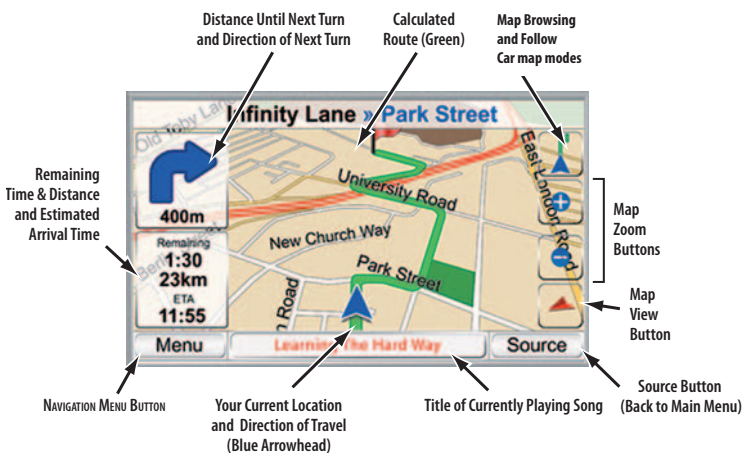
NOTE: Touching the VIEW MAP button does not begin nagivation.

SIMULATE: Touch to have the GPS-200/300 simulate the trip. The simulation includes all map movements and voice-guidance turn prompts, and takes place at high speed. To abort the simulation, touch anywhere on the screen.

SAVE: Touch to save the address in the GPS-200/300's address book. If you want to, you can add a name to the address.

Navigating to Your Destination

Once you have entered your destination, touching the GO button on any of the GPS-200/300's CONFIRM ADDRESS screens will begin navigation. The Map screen (*below*) will appear. The blue arrowhead indicates your present location and your direction of travel. The route that the GPS-200/300 has calculated is indicated by the green line.

Distance Until Next Turn and Direction of Next Turn

Calculated Route (Green)

Map Browsing and Follow Car map modes

Remaining Time & Distance and Estimated Arrival Time

Map Zoom Buttons

Map View Button

NAVIGATION MENU BUTTON

Your Current Location and Direction of Travel (Blue Arrowhead)

Title of Currently Playing Song

Source Button (Back to Main Menu)

The map shows the distance to and direction of your next turn, and also shows the remaining time and distance of your trip and your estimated arrival time.

NOTE: If you are playing music on the GPS-200/300's Music Player (see page 21), the MAP screen will also display the title of the currently playing song.

As you drive, the GPS-200/300 keeps track of your position via GPS, will issue voice-guidance commands through the built-in speaker, telling you when and where to turn, and the map will continually update your position along your route. If you make a wrong turn, the GPS-200/300 will automatically calculate a new route and will continue to guide you to your destination.
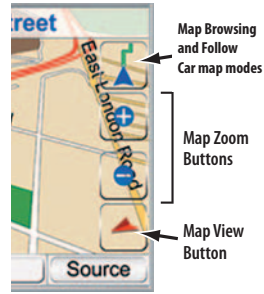
Map Screen Options

Map Browsing/Follow Car button: Touching this button switches between

1) Map Browsing, where you can move the map position by moving your finger on the touchscreen in the direction you want the map to move. You may also zoom in and out of the map

2) Follow Car, which shows you the navigation map for your route. (See illustration, *below, left*.)

Map View Button: Touching this button cycles the map view between 2D, 2D north-oriented and 3D. (See illustrations, *below, right*.)

Map Browsing and Follow Car map modes

Map Zoom Buttons

Map View Button

Map Screen Option Buttons

Map Zoom Buttons: Repeatedly touching the "+" and "–" Map Zoom buttons zooms your view from a distance of just a few yards off the ground all the way to a view from thousands of miles in space. (See illustrations*, below, left*.)
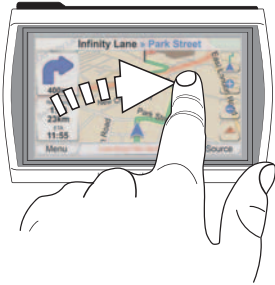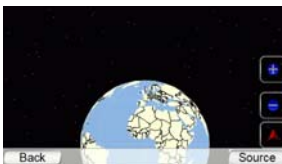

Moving the Map Position

Zoom In (Closest View)

Zoom Out (Farthest View)
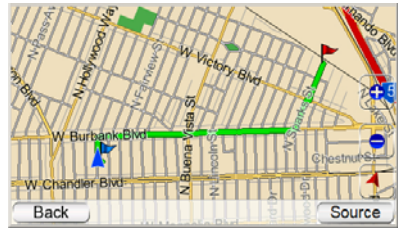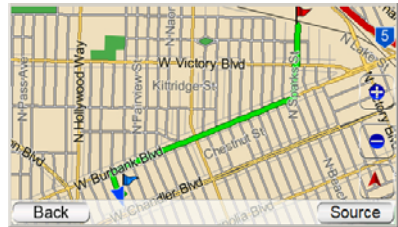
2D Map View

2D (North-Oriented) Map View

3D Map View

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AUTO-ZOOM

The GPS-200/300 offers different auto-zoom modes for improved route visibility.

Junction zoom: When approaching a turn the map will automatically zoom in and switch to 2D mode in order to give a better view on the upcoming maneuver. Thereafter it will return to the default zoom settings.

Overview mode: When the distance to the next maneuver is longer than 5km the map will automatically zoom out. Please click on the map view button to disable overview mode temporarily.

Navigation Options

Touching the MENU button on the MAP screen (see page 14) displays the NAVIGATION screen (*below, right*).

MAP BUTTON: Takes you back to the MAP screen.

PLAN A TRIP BUTTON: Lets you select a navigation destination. *(See Planning a Trip,* on page 9.)

STOP NAVIGATION BUTTON: Stops the current GPS-200/300 navigation session.

NAVIGATION SETTINGS BUTTON: Lets you change the GPS-200/300's navigation settings. (See *Changing Navigation Settings,* on page 18.)

ROUTE OPTIONS BUTTON: Displays the ROUTE OPTIONS screen (*right*).

ROUTE OPTIONS SCREEN

VIEW ROUTE BUTTON: Shows a map view of the entire navigation route. (See *2D Map View* illustration on page 15.)


VIEW TURN-BY-TURN BUTTON: Displays a detailed list of each turn for the entire trip (*right*). The list shows the direction of each turn and how far to drive on each leg of the journey. Touching the button for one leg of the journey and then touching the SHOW button will display a map showing that particular leg of the trip.

Touching the button for a particular turn or leg on the detailed list screen and then touching the AVOID button will display the AVOID screen (*right*). This screen lets the GPS-200/300 recalculate a new route that avoids a particular maneuver or road, or recalculate a certain distance on the road that you selected.

NOTE: Voice guidance continues when the GPS-200/300's screen is in the Turn-By-Turn view.

DETOUR NEXT TURN BUTTON: Recalculates your route, avoiding the next turn. Use this to avoid construction sites, traffic jams, etc.

ADD DESTINATION BUTTON: Lets you add another destination at the end of your trip. See *Planning a Trip*, on page 9.

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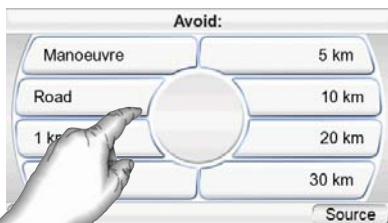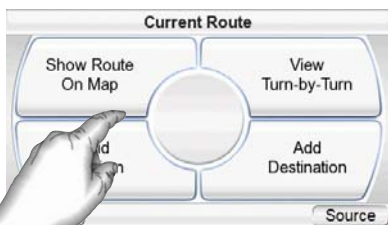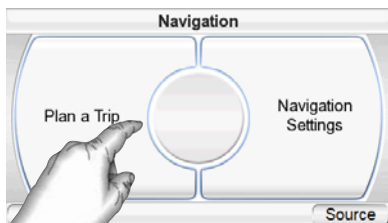
Changing Navigation Settings

Touching the NAVIGATION SETTINGS button displays the NAVIGATION SETTINGS screen (*right*).

AVOIDANCES: When the GPS-200/300 calculates navigation routes, you can set it to always avoid the following:

• U-turns
• Unpaved roads
• Toll roads
• Roads requiring permits (Backroads)
• Highways
• Border crossings
• Ferries
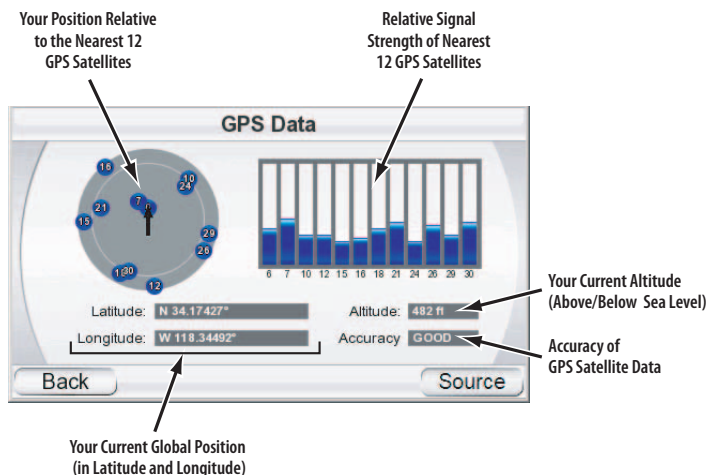• Traffic (TMC)
  (Not available in GPS-200IT.)
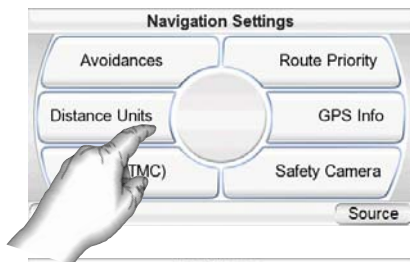
NOTE: The GPS-200/300 comes from the factory with the UNPAVED ROADS avoidance set to ON.

DISTANCE UNITS: You can set the GPS-200/300's distance units to kilometers/meters, miles/feet or miles/yards. This affects the units shown on the screen, and the units given during voice navigation prompts.

ROUTE PRIORITY: When the GPS-200/300 calculates navigation routes, you can set it to give priority to either the SHORTEST DISTANCE or the SHORTEST TIME .

GPS DATA: This screen displays the following information:

Your Position Relative to the Nearest 12 GPS Satellites

Relative Signal Strength of Nearest 12 GPS Satellites

GPS Data

Latitude: N 34.17427°
Longitude: W 118.34492°
Altitude: 482 ft
Accuracy: GOOD

Your Current Altitude (Above/Below Sea Level)

Accuracy of GPS Satellite Data

Back   Source

Your Current Global Position (in Latitude and Longitude)

NOTE: Your GPS-200/300 will lose contact with the GPS satellites whenever you turn its power off. After turning the power back on, you will need to go outside to receive the GPS signal again before the navigation functions will operate.

Using the Safety Camera warning function may be prohibited by law in certain countries. The user should determine whether the use of this feature is governed by any law prior to its use.

Safety Camera: You can set the GPS-200/300 to warn you against Safety/Speed cameras along the way. Pressing "Enable" in the Enable Safety Cameras screen opens an information/Warning window showing the internet address "www.speedcamupdate.com", where you may download the necessary information against a subscription charge. Also, you are warned that the function may be prohibited in certain countries. You have to connect the GPS Unit to your PC with the supplies USB-cable to download the information, following the instructions on the homepage. You may select permanent or temporary cameras, or both.

Pressing "Yes" in the information/warning window Opens the Enable screen with the Enable button highlighted in blue. Pressing the blue button again will disable the camera function.

Once inside the camera screen, you may choose between options regarding Audible Warnings and Visible Warnings. Press Audible Warning to select hearing the warnings either: 1) If you drive too fast, 2) Always or 3) Not at all. Press Visible Warning to select seeing the warnings either: 1) As a Simple image, 2) As a Detailed image including speed limit and distance to the camera, or 3) No visible warnings.

Traffic Message Channel "TMC"

(GPS-200IT is not equipped with TMC.)

The GPS-300 is equipped with a built-in FM receiver to process TMC (Traffic Message Channel) messages. The TMC is a free system to send out traffic information via RDS (Radio Data System). TMC might or might not be available in your country. Please note that the GPS-300 does not support subscription-based TMC services which are available in some countries as an alternative to freely distributed TMC services. In case there is traffic jams along your route the GPS-300 will show the traffic information on the map and automatically recalculate the route. If the anticipated delay is too long, the system will put you on an alternative route. You enter the TMC menu by pressing the "TMC" button on the "Navigation Settings" screen.

The "Traffic Events" Menu

The main TMC window displays all incoming traffic messages sorted by distance from your actual position. The traffic information contains the type of traffic, the road number and the length of event. You can have a look at each individual traffic event on the map by hitting the "Show" button. Simply hit "Back" on the map view to go back to this menu.

The "Settings" Button will route you to a subsequent settings menu where you can make additional adjustments of the TMC system behaviour.

The "TMC Settings" Menu

Normally the GPS-300 will automatically tune to the best FM station. If you would like to tune to a preferred FM station, please "Activate Manual" and use the "<" and ">" Buttons. This allows you to select an FM station which broadcasts TMC messages, but may be too weak to be found automatically. "Exclude selected station" will deny the FM station which is currently in use. This will help you to avoid certain stations with poor TMC performance. Thereafter the device will search for an alternative FM station. Press "Show excluded

stations" to enable denied stations. The system will again include them in its searching process.
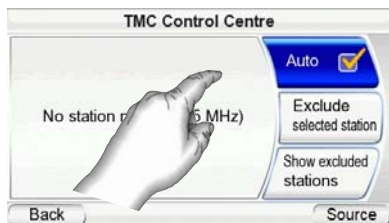
The Source Screen

Touching the SOURCE button on any of the GPS-200/300's screens displays the SOURCE screen (*right*).

The SOURCE screen lets you select navigation or music player functions. The SOURCE screen lets you change the GPS-200/300's settings, as well. (See *Changing Settings,* on page 26.)
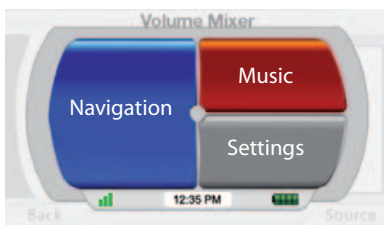
The SOURCE screen also displays the strength of the GPS signal the GPS-200/300 is receiving, the local time and the GPS-200/300 battery's charge level.

Playing Music Files

In addition to its navigation functions, your GPS-200/300 can play your music files. These files must be loaded onto an SD media card (not included). SD memory cards are available that can hold up to 4GB of audio media.

The GPS-200/300 supports regular SD cards up to 4GB (formatted with FAT32). SD-HC standard is not supported.

Compatible A/V File Types

In order to play on your GPS-200/300, audio files must be in one of the following formats:

AUDIO (SUPPORTS ID3 TAGS V1 AND V2.1 – 2.3)

**MP3:** 16-bit (VBR/CBR), 44kHz, 64kbps up to 320kbps, 2-channel.

WMA: 16-bit, 44kHz, stereo, 32kbps up to 160kbps (VBR) and 32kbps up to 256kbps (CBR, 2-channel)

Loading Media on Your SD Card

There are two ways to transfer media from your computer to an SD card inserted into your GPS-200/300: via USB Mass Storage or via MTP (Media Transfer Protocol). Touch the SETTINGS button on the SOURCE screen, then touch the USB button. The USB screen *(right)* will appear, with buttons for MTP and USB MASS STORAGE modes.

MTP (MEDIA TRANSFER PROTOCOL)

MTP mode transfers files using the SYNC mode of Windows Media® Player (ver. 10 or higher). If necessary, Windows Media Player will automatically transcode video files to a format supported by GPS-200/300.

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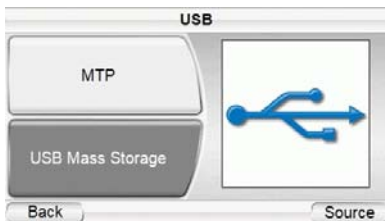
To use the MTP mode, you must have a PC that is running the Windows® XP operating system (Service Pack 2 or higher) and has Windows Media Player 10 or higher installed.

To Transfer Files to the GPS-200/300 in MTP Mode:

1. Insert a regular SD card into the GPS-200/300's SD card slot (see page 4).
2. Make sure the USB cable is *disconnected* from the GPS-200/300.
3. Set the GPS-200/300's USB mode to MTP (see page 21).
4. Connect the GPS-200/300 to your computer's USB hub (*right*).
5. Launch Windows Media Player.
6. Locate the files you want to transfer.
7. Select Windows Media Player's Sync mode (see below).
8. Drag the files you want to transfer into the Windows Media Player Sync List (see below).
9. Select Start Sync and wait for the process to finish (see below).
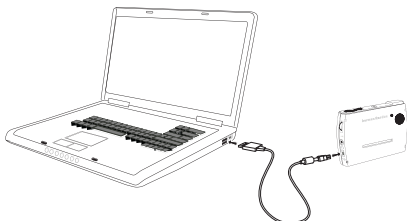
7. Select Sync Mode
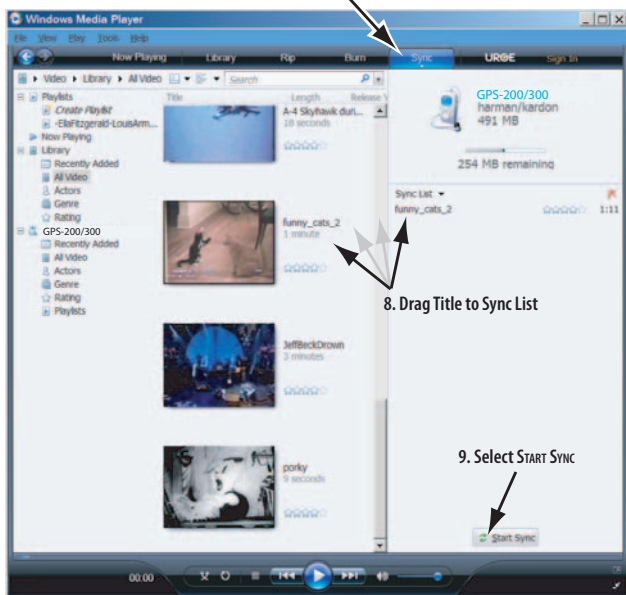
8. Drag Title to Sync List

9. Select Start Sync

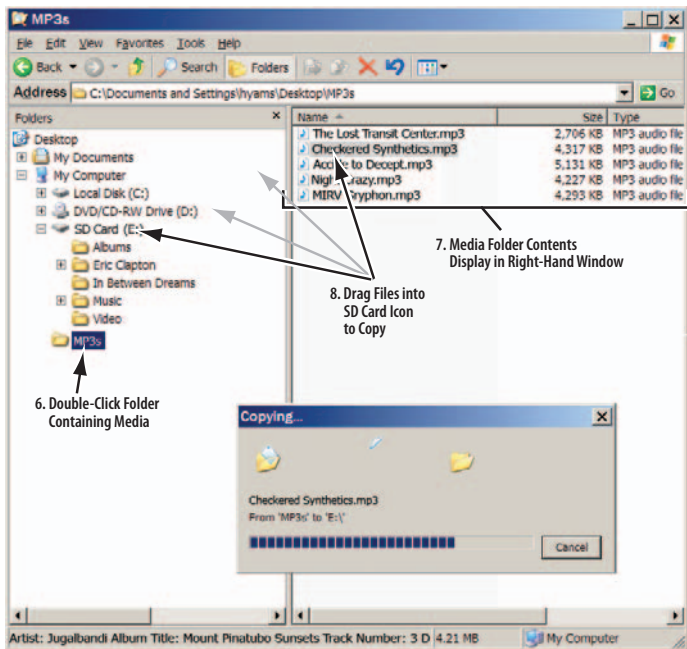NOTE: Your Windows Media Player screen may look different from the example.

Once the Sync is finished, you can unplug the GPS-200/300 from your computer and listen to the files on it. (See *Listening to Music*, on page 24).

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USB Mass Storage

The USB Mass Storage mode lets you transfer files the using drag-and-drop method on your computer – the same method you use to transfer files from one folder or drive to another.

To Transfer Tiles to the GPS-200/300 in the USB Mass Storage Mode:

1. Insert a regular SD card into the GPS-200/300's SD card slot (see page 4).
2. Make sure the USB cable is *disconnected* from the GPS-200/300.
3. Set the GPS-200/300's USB mode to USB Mass Storage (see page 18).
4. Connect the GPS-200/300 to your computer's USB hub (see page 19).
5. Launch Windows Explorer (*not* Internet Explorer) on your computer.
   • Find it at *Start > Programs > Accessories > Windows Explorer*
6. Find the folder with your media in Windows Explorer's left-hand window.
7. Double-click the folder. Its contents will appear in the right-hand window.
8. Drag the files you want to transfer from the right-hand window into the SD card icon in the left-hand window. (The SD card will appear in the left-hand window as one of your computer drives.)

NOTE: Your Windows Explorer screen may look different from the example.

When you're finished, you can unplug the GPS-200/300 from your computer and listen to the files on it. (See *Listening to Music*, on page 24).

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Listening to Music

Touch the Music button on the Source screen. The Music menu (*below*) will appear.

You can sort and display your music by touching the Artist, Album, Genre, Playlist or Song File Display Option buttons.

Selecting Music

By Artist: Touching the Artist button displays an alphabetical list of all of the artists with songs stored on the SD card. Touch the button for the artist you want, then touch the button for the song you want to hear. The GPS-200/300 will play the song, then play through the rest of the songs by that artist.

By Album: Touching the Album button displays an alphabetical list of all of the albums with songs stored on the SD card. Touch the button for the album you want, then touch the button for the song you want to hear. The GPS-200/300 will play the song, then play through the rest of the songs on the album.

By Genre: Touching the Genre button displays an alphabetical list of all the music genres stored on the SD card. Touch the button for the genre you want, then touch the button for the song you want to hear. The GPS-200/300 will play the song, then play through the rest of the songs in that genre.

NOTE: Genre classifications are predetermined and cannot be changed by the GPS-200/300.

By Playlist: Touching the Playlist button displays an alphabetical list of all the playlists stored on the SD card. Touch the button for the playlist you want, then touch the button for the song you want to hear. The GPS-200/300 will play the song, then play through the rest of the songs in that playlist.

NOTE: Playlist contents are predetermined and cannot be changed by the GPS-200/300.

By Song: Touching the Song button displays all of the songs stored on the SD card, in alphabetical order. Touch the button for the song you want to hear and the GPS-200/300 will play it. When that song is finished, the GPS-200/300 will play the next song on the alphabetical song list.

Repeat Play

Touching the Repeat Play button cycles the music player between the following repeat modes: Off, Track (repeats the song), All (repeats all songs in the current category).

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SHUFFLE PLAY

Touching the SHUFFLE PLAY button plays all the songs currently displayed in random order.

THE NOW PLAYING SCREEN

The GPS-200/300 will display the NOW PLAYING screen (*right*) while songs are playing. This screen shows the elapsed time of the song, and provides buttons for skipping to the next or previous song, and for pausing the song.

NOTE: During navigation, guidance prompts appear at the bottom of the NOW PLAYING screen (above) and the MUSIC menu screen (see page 21).

Changing Settings

Touching the SETTINGS button on the SOURCE screen displays the SETTINGS screen (*right*). This lets you change any of these GPS-200/300 settings:
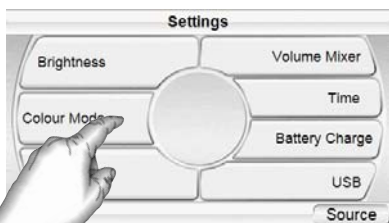
Brightness
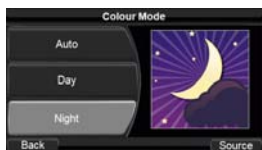
The BRIGHTNESS button lets you adjust the GPS-200/300's screen brightness so you can clearly see it in various lighting conditions.

NOTE: You can adjust the screen brightness at any time by pressing the Volume Control knob in. The BRIGHTNESS indicator will be superimposed on the screen and you can change the screen's brightness by rotating the volume knob.

Color Mode

The GPS-200/300 has two color modes: DAY (optimized for viewing in brighter light) and NIGHT (optimized for viewing in lower light). There is also an AUTO button, which auto-

matically changes the color mode according to the time of day.

Language

The LANGUAGE button lets you set the GPS-200/300's screen and voice-guidance languages to one of 6 languages (GPS-200IT: 5 languages).

Volume Mixer

The Volume Mixer lets you adjust the relative volume levels of the music and the navigation voice guidance. Touch the shaded volume bars on the screen to adjust the volume levels up and down.
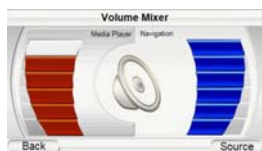
Time

The TIME button lets you adjust the GPS-200/300's time settings:

TIME ZONE: The TIME ZONE button lets you reset the GPS-200/300's time zone to match the local time. This is especially useful if you are traveling through different time zones.

FORMAT: Switches between 12-hour and 24-hour time formats.

DAYLIGHT SAVINGS: Selecting ON adds an hour to the current time.

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Battery Charge

The BATTERY CHARGE screen shows the GPS-200/300 battery's charge level. It also lists your unit's current software version and serial number.

12:35 PM

Note: The orange battery/lightning bolt symbol indicates that the GPS-200/300 is being powered through its charger port.

USB

Lets you switch the GPS-200/300 between the MTP and USB Mass Storage modes. See *Loading Media on Your SD Card*, on page 17, for details.

Installation and Use in a Vehicle

⚠️ *Do not install this device in any manner that impairs the safe operation of the vehicle. Do not install this device on any airbag panels or in the deployment field of any airbags. Do not place the device on the vehicle's dashboard unsecured. Failure to observe the installation or usage instructions may result in traffic accidents or personal injury.*

⚠️ *The installation of this device on the windshield, between the driver and the windshield, or otherwise in any manner that obstructs the driver's clear view of the road or traffic conditions is dangerous and may be prohibited by law.*

Select a Mounting Location

Find a suitable mounting location for the Fold-Flat Mounting Bracket:

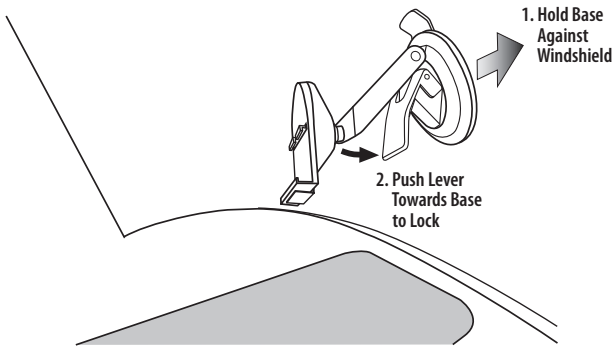On the Dashboard

On the Windshield

On the Console
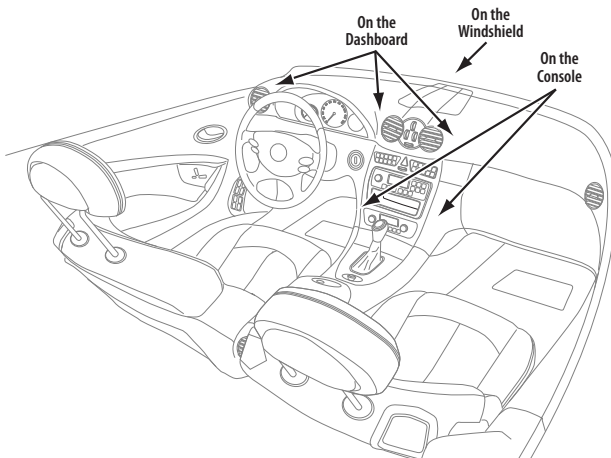
NOTE: Do not mount the bracket in such a way that the GPS-200/300 will interfere with your driving or your view of the road.
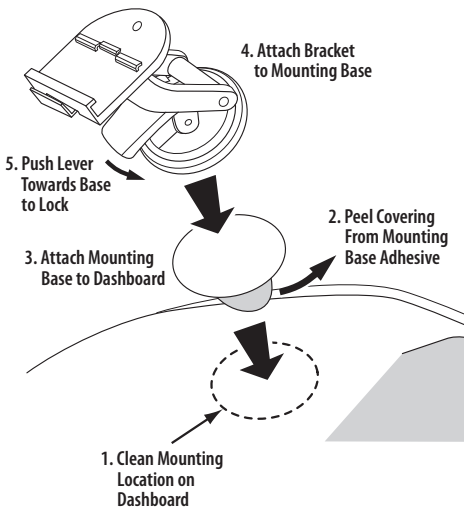
Install the Mounting Bracket

FOR WINDSHIELD-MOUNTING:

1. Hold the mounting bracket's base against the windshield.

2. Push the mounting bracket lever towards the base to lock the bracket to the windshield.

1. Hold Base Against Windshield

2. Push Lever Towards Base to Lock

FOR DASHBOARD-MOUNTING:

1. Clean the dashboard mounting location with the supplied alcohol pad.

2. Peel the mounting base adhesive covering.

3. Attach the mounting base to the mounting location.

4. Hold the mounting bracket's base against the mounting base.

5. Push the mounting bracket lever towards the base to lock the bracket to the dashboard.

4. Attach Bracket to Mounting Base

5. Push Lever Towards Base to Lock

2. Peel Covering From Mounting Base Adhesive

3. Attach Mounting Base to Dashboard

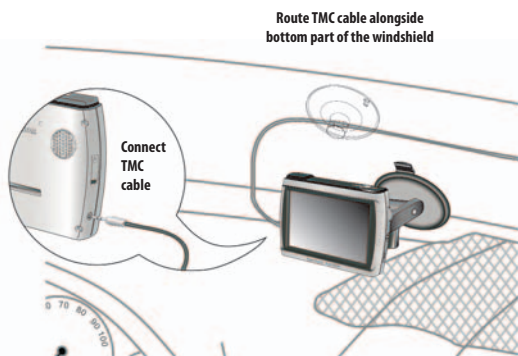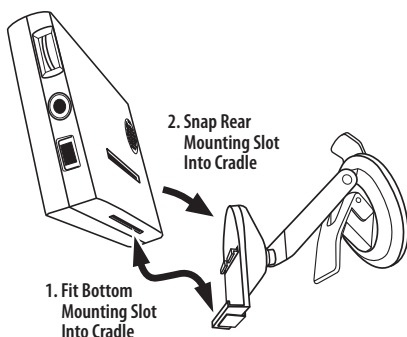**1. Clean Mounting Location on Dashboard**

ATTACHING THE GPS-200/300 TO THE BRACKET

1. Fit the bottom mounting slot into the bracket cradle.
2. Snap the rear mounting slot into the bracket cradle.

To unlock and remove the unit, press the lever on the botton of the cradle *up*.

LISTENING TO AUDIO IN YOUR VEHICLE

1. Plug the supplied car charger into your vehicle's 12V power outlet and into the GPS-200/300's mini USB connector. This will charge your GPS-200/300's battery while you drive.

2. Snap Rear Mounting Slot Into Cradle

1. Fit Bottom Mounting Slot Into Cradle

2. Use the GPS-200/300's built-in speaker or connect its headphone jack to your vehicle's audio system (connecting cable not supplied).

Route TMC cable alongside bottom part of the windshield

Connect TMC cable

Installation of TMC antenna cable to receive traffi c information

Troubleshooting

Problem	Solution
GPS-200/300 does not turn on at all	Check the LOCK switch (see *Controls and Features*, on pages 4 – 5); charge the battery for 6 hours (see *Before You Begin,* on page 6)
GPS-200/300 does not have a good GPS signal	Make sure GPS-200/300 has a clear, unobstructed "view" of sky (see *Before You Begin*, on page 6)
GPS-200/300 will not play music or videos	Insert an SD card that has media loaded on it (see *Loading Media on Your SD Card,* on pages 18 – 20)
Unable to load media onto SD card	Make sure GPS-200/300 is set in the desired USB mode (see *Loading Media on Your SD Card*, on pages 19 – 20)
Screen is too bright or too dim	Adjust the screen brightness using the volume control (see *Volume/Brightness Control*, on page 5), or adjust the screen brightness in the SETTINGS menu (see *Changing Settings*, on page 23)
Volume is too low for navigation voice-guidance prompts	Adjust the volume control (see *Volume/Brightness Control*, on page 5); adjust the VOLUME MIXER (see *Changing Settings*, on page 23)
Suction cup mount is loose	Reposition the mounting bracket, using moderate force
GPS-200/300 is loose on the bracket mount	Make sure the GPS-200/300 is securely attached to the mounting bracket (see *Attaching the GPS-200/300 to the Bracket*, on page 26)
GPS-200/300 is unresponsive to the touchscreen or won't power off	Reset the GPS-200/300 using a paper clip or similar item (see *Reset Button*, on page 5)

Troubleshooting (continued)

Problem	Solution
Screen color unexpectedly changes mode (Day > Night or Night > Day)	Color Mode is set to Auto. Change the Color Mode to desired mode in the Settings menu (see *Color Mode*, on page 23)
No sound from built-in speaker	Unplug headphones (speaker mutes when headphones are connected); turn volume control up (see *Volume/Brightness* control, on page 5)
Navigation map view and map zoom cannot be changed	Unlock Map Screen (see *Map Screen Lock/Unlock Button*, on page 14)
Unit does not power on, even if it was switched off with a full battery a while back	Charge the battery. The unit has a constant, small power consumption, which empties the battery even when not in use.

Specifications

GPS:	High-sensitivity Atlas™ II receiver
CPU:	324MHz ARM9 core
RAM-memory:	64MB
Maps:	GPS-200: Germany, Austria, Switzerland and major roads of Europe. GPS-200(IT): Italy and major roads of Europe. GPS-300: Western Europe, 19 countries. The maps are preloaded in internal memory (no need for external SD card)
Screen:	4.0"(diagonal) WQVGA screen, 65k colors, 480 x 272 pixels
Media Player (Audio):	Plays MP3, WMA and AAC audio formats
Battery:	Rechargeable internal lithium-polymer battery (allows up to 4 hours of use without recharging)
Dimensions (HxWxD):	(75mm x 118mm x 20mm)
Flash Memory :	GPS-300: 2GB, GPS-200: 512MB, GPS-200IT: 256 MB

guide + play™ GPS-200/300

Declaration of Conformity

CE

We, Harman Consumer Group Inc.
2, route de Tours
72500 Château du Loir
France

declare in own responsibility that the product described in
this manual is in compliance with technical standards:

EN 60950-1:2001+A11

EN 55022:1998+A1:2000+A2:2003

EN 55024:1998+A1:2001+A2:2003

EN 61000-3-2:2000

EN 61000-3-3:1995+A1:2001

Klaus Lebherz
Harman Consumer Group Inc.
Château du Loir, France 11/07

For the latest Guide + Play product information, visit: **www.guideandplay.com**