Clarion AutoPC 310C

Owner's Manual

Precautions

IMPORTANT: READ THE INSTRUCTIONS CONTAINED IN THIS MANUAL BEFORE USING THE CLARION AUTOPC SYSTEM.

SAFETY WARNING! When you see this symbol 🛑, it means, for your safety, the vehicle must be stopped to set or use the Auto PC. Pull over in a safe and legal manner before attempting to manually access a function of the system.

Read and follow instructions

Before using your Windows® CE for the Auto PC system, read and follow all instructions and safety information provided in this Owner's Manual. Not following precautions found in this Owner's Manual can lead to an accident or other serious consequences.

Keep Owner's Manual in vehicle

When kept in the vehicle, the Owner's Manual will be a ready reference for you and other users unfamiliar with the Windows CE for the Auto PC system. Please make certain that before using the system for the first time, all persons have access to the Owner's Manual and read its instructions and safety information carefully.

Warning

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions you might be required to distract your attention away from the road and remove your hands from the wheel.

Voice command control

Many of the functions of the Windows CE for the Auto PC system can be accomplished using only voice commands.

Prolonged views of screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

Volume setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Precautions continued

Care in handling

The Clarion AutoPC system is a sensitive electronic device. As with all electronic devices, care should be taken to avoid contact with extreme heat, cold, or humidity.

Operating at very cold temperatures

At extremely cold temperatures, the display screen speed may be reduced, and the display may dim. Also, the colors on the display may vary depending on the thermal condition of the unit itself or the temperature in a vehicle. These phenomena are the characteristics of the liquid crystal display and are not malfunctions.

Handling Detachable Control Panel

Also, special care should be taken when handling and storing the Detachable Control Panel (DCP). Note: The terms "control panel" and "DCP" are used interchangeably in this document to refer to the same thing.

Fully close DCP holder after DCP removal

It is dangerous to keep the DCP holder at an angle once the DCP is removed. Be sure that the DCP holder is fully closed (in the vertical position).

Operating switches and knobs

The slanted control panel may not maintain its adjusted angle if a button is pushed too hard.

Cleaning display cover

Turn power off. Clean the display cover with a lightly damp soft cloth. Do not pour or spray liquid on the display as this will damage the unit.

Precautions continued

CompactFlash^{TM} [1] (CF) Card

Insertion Slot Cover

The CF Card insertion slot is equipped with a slot cover in order to prevent the exposure to debris and to protect terminals. Be sure to cover the CF Card insertion slot with the cover when the slot is not being used.

Inserting the CF Card

The Clarion AutoPC System will accept CF Cards from most manufacturers. Warning: CF Card can be inserted one way only. Make sure to insert the CF Card with the manufacturer's label and arrow **FACING RIGHT** of the unit as shown to the right.
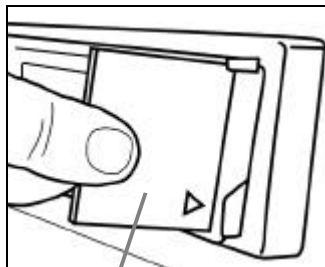
Make sure label and arrow are facing right

---

[1] CompactFlash is a trademark of SanDisk Corporation.

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Precautions continued

Opening the DCP

Grip the control panel as shown in the illustration which follows, and pull it outward and downward in one continuous motion.

Closing the DCP

Place your index finger immediately below the Start button, pressing inward and upward as shown below.
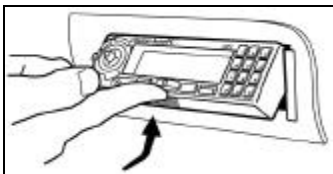
Proper clearance to eject CD

Open the control panel to the lowest position to allow the CD to be ejected without causing damage.

Before pressing the eject button, look to see that the CD will clear the top of the control panel as illustrated below.

Correct clearance
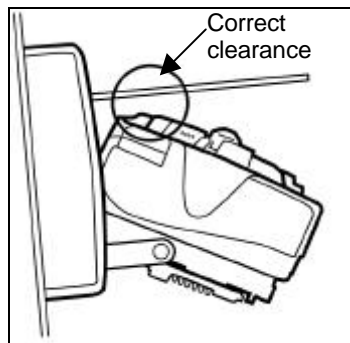
Note: If the CD is not manually removed within approximately 10 seconds after the eject button is pressed, the CD will be automatically loaded back into the CD Player.

CD ROM Installation

The vehicle should be parked at a level location when a higher version of OS or CD ROM software is installed. Note: If a vehicle starts up or cranks up, or if the ACC (accessory) is turned on or off during the installation, voltage fluctuation harmful to this unit may occur. This could result in an abnormal installation or a malfunction in the unit.

Power On at time of initial operation

It may take up to 15 seconds to see an actual display on the unit when it is initially powered up. This is not a malfunction.

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CompactFlash™ (CF) Card: CompactFlash is a trademark of SanDisk Corporation.

Warranty

This Owner's Manual creates no warranties nor does it make any representations regarding the Auto PC system on behalf of Clarion. The only warranty provided by Clarion to the purchaser is that contained in Clarion's published limited warranty for the Auto PC system. All other purported warranties and representations regarding the quality, performance or the suitability of the Auto PC system are disclaimed.

Serial Number

Place the serial number sticker for your Clarion AutoPC system here:

FCC Radio Interference Statement

Operation of the Clarion AutoPC system is subject to the following two conditions imposed by the Federal Communications Commission: (1) this system may not cause harmful interference, and (2) this system must accept any interference received, including interference that may cause undesired operation. Changes or modifications to the equipment without the express permission of Clarion may void the authority to use the Clarion AutoPC system.

Contents

Chapter 1 – Introduction

Welcome

Congratulations on purchasing the Clarion AutoPC system, powered by the Microsoft® Windows® CE operating system. Auto PC makes the most of your driving experience by combining many features into a device that fits into the same space normally occupied by your car stereo. Auto PC is an information and entertainment system for people on the go, and integrates a compelling graphical user interface with voice control that keeps your hands on the wheel and eyes on the road.

Caution

CAUTION! OPERATE THIS SYSTEM ONLY WHEN SAFE. Taking your attention away from the road while driving can cause a serious accident.

How to use this manual

This manual is designed to be used in two ways:

1. As a general learning tool for you as you begin to operate the Clarion AutoPC system.
2. As a reference tool for you as you actively expand your uses of the Clarion AutoPC system.

Locating the controls

② α-Selector

⑤ Detachable Control Panel (DCP)

① DCP release

③ MUTE

④ Display

⑥ Keys

⑰ Volume up

⑯ Volume down

⑮ IrDA (Infrared) Port

⑪ MENU

⑨ Voice Memo

⑧ ASSIST

⑦ CompactFlash™ (CF) Card insertion slot

⑫ HELP

⑩ Start Key 🈁

⑬ POWER

⑭ BACK

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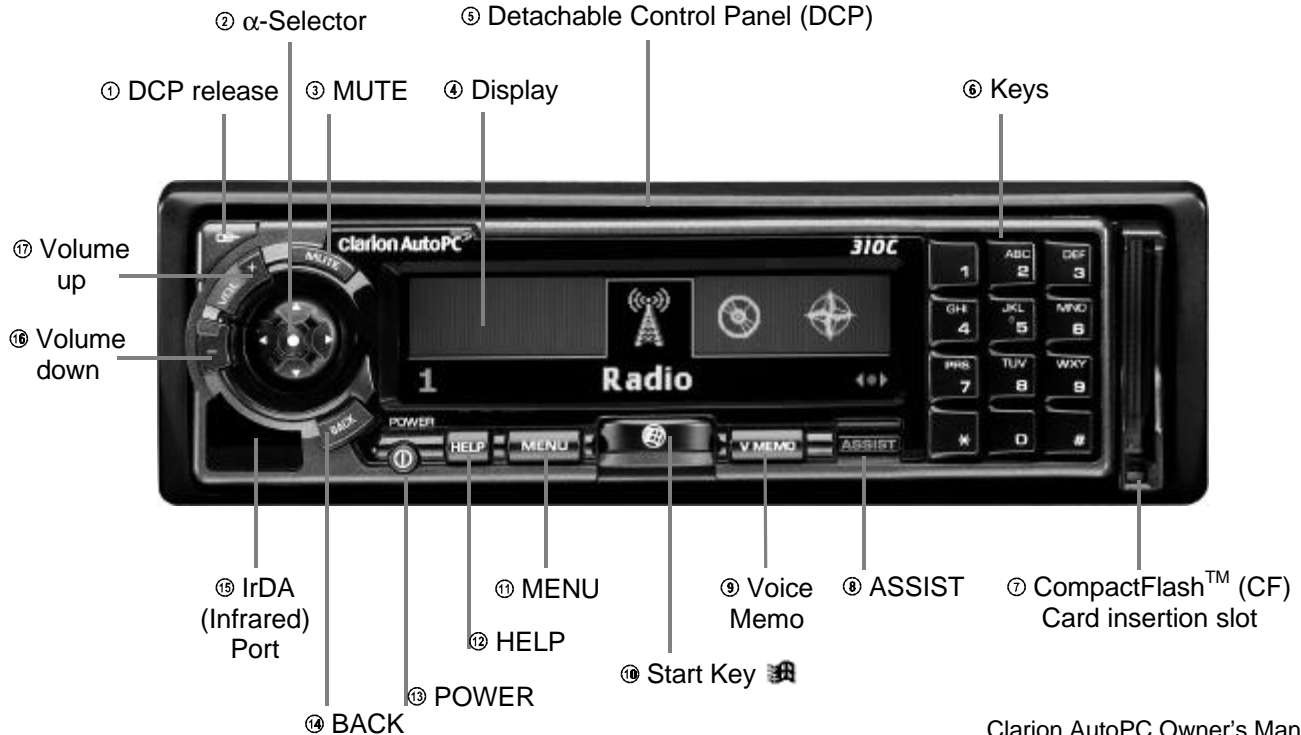
DCP Legend

① **DCP release** - Press to remove control panel.

② **α-Selector -** Navigate programs and options with a single finger.

③ **MUTE** – Press to silence audio.

④ **Display** - Shows information in color on the screen.

⑤ **Detachable Control Panel** (DCP) - Removable for security.

⑥ **Keys** - Use for dialing, entering letters, numbers, and radio presets.

⑦ **CompactFlash™ (CF) card insertion slot** - Use CF card to backup and restore data.

⑧ **ASSIST** - Press to receive location-based services (optional). Example: roadside assistance services.

⑨ **Voice Memo** - Record/playback a voice memo.

⑩ **Start Key** - Display start menu (main menu). 🏠

⑪ **MENU** - Press to get to extra options that are available with some programs.

⑫ **HELP** – For tips about current screen.

⑬ **POWER** – Press to power the unit on and off.

⑭ **BACK** - Closes the currently displayed option.

⑮ **IrDA (Infrared) Port** - Transfer data between Windows CE-based devices.

⑯ **Volume down** - Touch once to decrease by 1 step. Press and hold for greater decreases.

⑰ **Volume up** - Touch once to increase by 1 step. Press and hold for greater increases.

Fast track to learning and using your Auto PC

First, become familiar with the Controls and General Operation of the Clarion AutoPC system as described in this chapter.

Second, spend 10 minutes previewing this Owner's Manual:

- Scan the Table of Contents, it shows you the breadth of information on your Auto PC.

- Glance at the first few chapters, noticing key words in the bolded headings.

The Index will become your primary reference

- Peruse the Index, as that will be your primary reference when you need to find specific information on a topic.

Third, study the Using Speech Commands and Getting Started chapters, then move into using the Radio and CD Player to learn the basics of Auto PC.

α-Selector Operation

Manually manipulating this selector should only be carried out for so long as it can be done safely.

The α-Selector enables you to navigate through various Auto PC functions with a single finger. This is how you do it:

1. Put your index finger on the raised center element (has a white dot) of the α-selector as shown in the figure. **CAUTION! DO NOT TAKE YOUR EYES OFF THE ROAD UNLESS IT IS SAFE TO DO SO.**

2. To select the up/down direction (↕) or the left/right direction (◄►) tilt the α-selector in the corresponding direction.

3. To select "enter" push directly inward on the middle element with the white dot (●).
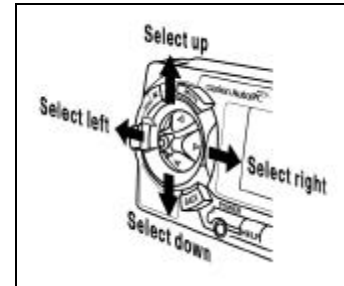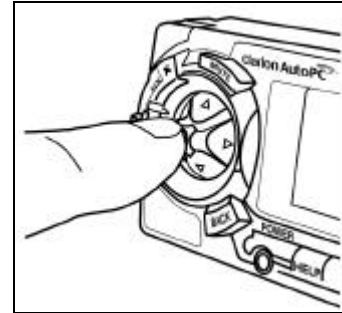
Detachable Control Panel (DCP)

The control panel (Detachable Control Panel) can be detached to prevent theft. After detaching the control panel, store it in the protective case provided. We recommend taking it with you when leaving the vehicle.

Removing the DCP

1. Turn the power off.

2. Be sure that the control panel is fully closed. Press the DCP release button as illustrated on the right.

3. Pull the DCP toward you and to the left to remove it as shown on the right.

NOTE: Using force to remove the DCP will damage the unit.

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Detaching the DCP in lowered position

You can also detach the DCP in its lowered position. The procedure is as follows:

1. Turn power off.

2. Lower the DCP to its fully open position

3. With your left index finger, find the release button as shown in the drawing. Push upward on the release button, and pull the DCP toward you and to the left.

4. For your safety, return the DCP holder to the fully closed position (the vertical position).
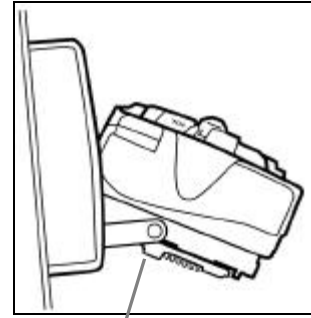
Release button

DCP lowered positions

The DCP has three lowered positions, each of which is reinforced by a clicking sound:

- 60 degrees (partially open)
- 45 degrees
- 30 degrees (fully lowered)

Warnings!

1. The DCP can easily be damaged by shock. After removing it, be careful not to drop it or subject it to strong shock. After detaching the control panel, store it in the protective case provided.

2. The connector connecting the source unit and the DCP is extremely important. Do not press on it with fingernails, screwdrivers, etc. Doing so may result in unit malfunction or damage.

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Attaching the DCP

1. Be sure that the DCP holder is fully closed before attaching the DCP.

2. Examine the back of the DCP and notice that there is a locking hook on the back of the DCP and that the hook must go into the receptacle on the holder.

3. Slide the locking hook on the back of the DCP into the receptacle and press inward.

Locking hook   Receptacle

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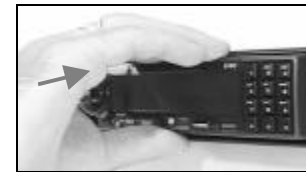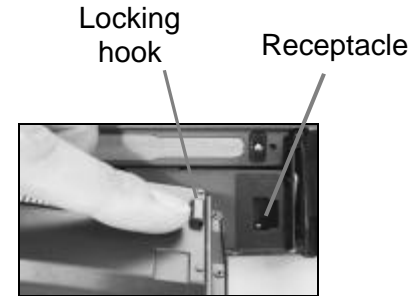
General Operations

Power on/off

1. Press the POWER button

2. The display lights up immediately. The Auto PC remembers its last operation mode and will automatically switch to display that mode.

3. To turn off the power to the unit, press the POWER button.

NOTE: Use caution while operating the unit for long periods of time without running the car's engine. Draining the car's battery will prevent you from starting the car and may possibly shorten the life of the battery.

Clock display

The clock is displayed when the ignition key is turned to the ACC (accessory) or IGN (ignition on) positions, even if power to the unit is off.

In some cars, the clock display may momentarily disappear when the ignition key is turned to the START (starter engage) position. The display will reappear after the engine has started and the ignition key is released to the IGN position.

Volume level is remembered	**NOTE:** Be sure to reduce the volume level before shutting off the ignition key or turning the unit's power off. The unit remembers the last volume setting before power was turned off, and it will start with that same setting when power is turned back on.
Adjusting the volume	The volume controls are located on the α-selector. Press the plus (+) key to increase volume press the minus (-) key to reduce volume. Also, voice commands are available to adjust volume (see the Using Speech Commands chapter).
Push-To-Talk (PTT)	When you press the Push-To-Talk button (PTT), Auto PC will "listen" for voice commands. This is the same as saying the words, "Auto PC" to "wakeup" Auto PC.
Charging Backup Battery	Backup Battery is not charged in shipment condition, and it will start charging as soon as the Auto PC is connected to your car's power source (Main Battery). When the Backup Battery is charged, the "charging" indicator disappears from the display.

NOTE: Backup Battery cannot be charged in temperature of less than 18 degrees Fahrenheit. |

Installing or replacing Coin Cell Battery

1. Turn power off.

2. Turn the vehicle ignition off.

3. Remove the Detachable Control Panel (see Removing the DCP)

4. Lower the DCP holder as shown in the picture. Remove the battery holder by placing the tip of the flathead screwdriver on the exposed edge and pulling the holder outward.

Small flathead screwdriver
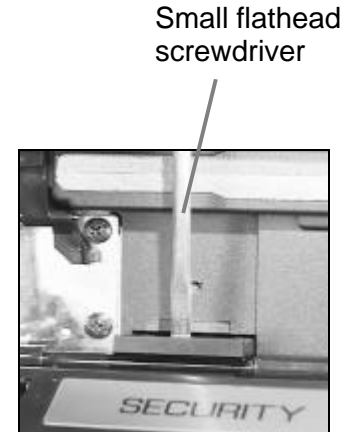
5. Place CR2032 Coin Cell Battery with plus (+) side up in the battery holder as shown.

6. Install the battery by pushing the holder into the unit as shown. Return the DCP holder to the fully closed position (the vertical position).

Where to find information	**For information on …**	**See …**
	Speech commands	Using Speech Commands chapter or quick reference material.
	Auto PC screens and keys	Getting Ready chapter.

To get help from Auto PC	**To …**	**Do this …**
	See **Help Tips** for the current program screen	Press the HELP key on the DCP.
	Hear which **speech commands** are currently available	Say ⋟ **Auto PC** ⋞ ♪♪ ⋟ **What can I say** ⋞ ♪
	Hear **speech command Help** and find out how to use the commands that are currently available	Say ⋟ **Auto PC** ⋞ ♪♪ ⋟ **Help** ⋞ ♪

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Chapter 2 – Using Speech Commands

Auto PC can understand words and short phrases spoken as commands, called "speech commands." Using voice commands while driving allows you to operate the system without distracting your attention away from the road or removing your hands from the wheel.

Auto PC doesn't listen for speech commands all of the time. If you want to give commands to your Auto PC, you must first wake it up. Also, only a few commands, called "global commands" are available all of the time. Many speech commands are specific to a program, and so are called "program commands."

Speaking commands decisively

Auto PC recognizes command words more effectively when you speak them decisively, as in a command, and may ignore words when you are talking normally, as in a conversation.

Guidelines for speech commands

The Auto PC has been optimized to recognize adult speakers. Use the following guidelines when giving commands to Auto PC:

1. Remember to wake up Auto PC.

2. Say each command clearly and distinctly, but don't shout.

3. Wait for the "heard" tone before saying another command.

4. Wait for Auto PC to stop talking, or press the Push-to-Talk (PTT) key to interrupt.

5. Decrease background noise.

6. You may need to train Auto PC to understand how you say one or more speech commands. For more information, see the section "To train or add a custom command word" in the chapter, "Customizing Your Auto PC."

If you don't know what to say

If you don't know what commands you can say, just say **"What can I say?"** and Auto PC will tell you which speech commands it is listening for. You can also say **"Help"** if you want to know what you can do with speech commands. The following sections contain more information that will help you take advantage of the speech capabilities of Auto PC.

Getting help with speech commands

How Auto PC HELP illustrates voice commands and response tones

While in the Start menu you can press HELP to get assistance with speech commands. You will see voice commands and how Auto PC responds with musical tones. Auto PC tells you it is "listening" to you with a specific tone, and that it has "heard" your voice command with another different tone. You see both the commands and tones represented on the Auto PC HELP display. For example, speaking "Auto PC" along with other voice commands will appear as follows on the display:

⋛ **Auto PC** ⋚ ♪♪ ⋛ **Radio** ⋚ ♪ ⋛ **FM** ⋚ ♪

Note that (⋛) represents the start of a voice command and (⋚) signifies the end of a voice command. Other conventions used in Auto PC HELP are explained in this diagram:

Voice commands

⋛ **Auto PC** ⋚ ♪♪ ⋛ **Radio** ⋚ ♪ ⋛ **FM** ⋚ ♪

"Awake tone"   "Heard tone"

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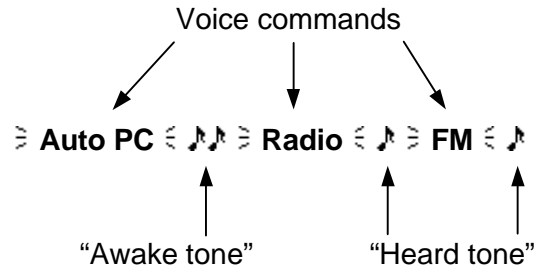
If, after saying "Auto PC" you do not hear the "listening tone," consult the Tips and Troubleshooting chapter of this manual.

Tones that help you give speech commands

Auto PC has three tones that help you give speech commands:

1. When you wake up Auto PC, you'll hear the awake tone, and see a green speech command timeout bar on the bottom of the screen.
2. When Auto PC hears you, you'll hear a short "heard tone."
3. When Auto PC stops "listening," you hear the sleep tone and the listening timeout bar (green color) disappears.

For examples of how to use speech commands, see the Getting Ready chapter.

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Chapter 3 - Getting Ready

Before you start using your Clarion AutoPC system, take a few minutes to become familiar with the unit.

Two ways Auto PC gives you information

Your Auto PC gives you information in two ways:

1. By displaying information on the screen.

2. Through voice synthesis, Auto PC reads status information or other requested information.

You can control Auto PC using the keys on the DCP or you can use speech commands, which are single words or short phrases that provide shortcuts to commonly used functions.

Start Menu

Screen-based icons show what you can do

Small pictures (called icons) give you a quick look at what you can do.

Display layout

Address Book icon

Press ● (enter) to go into Address Book program

Program icons 1, 2, …

Current icon number →

2   **Address Book**   ◀●▶ ← Left/right navigation icon

(((◀┄┄┄┄┄┄┄┄┄┄
"Listening" timeout expiration status

Green bar (Auto PC is "listening") or
Blue bar (Auto PC is "talking")
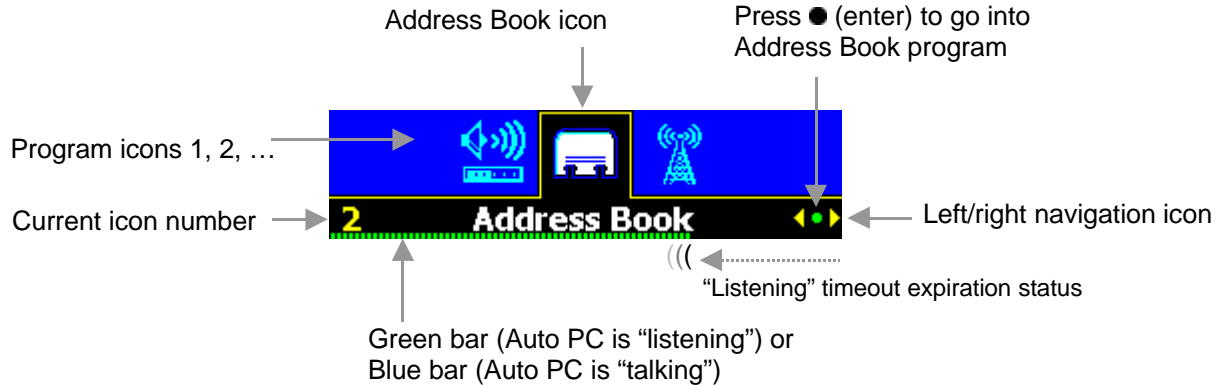
Green bar shows how much "listening" time remains

When you say "Auto PC" or use PTT, Auto PC "listens" for speech commands and a green bar appears across the bottom of the display. The green bar gradually disappears as the listening timeout expires. **CAUTION! ONLY LOOK AT THE AUTO PC WHEN IT IS SAFE AND ONLY FOR AS LONG AS IT IS SAFE TO DO SO**. Do not look at the green bar longer than is safe.

Blue bar shows when Auto PC is "talking"

The blue bar appears across the bottom of the display only when Auto PC is "talking." While "talking," Auto PC does not accept voice commands.

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NOTE: Neither the green bar nor the blue bar is displayed if the listening timeout is set to **Always** (see the Customizing your Auto PC chapter).

Hold PTT to make Auto PC listen

If you press and hold the PTT key, Auto PC continues listening until you release the key.

Using Speech to go to a program

You can go to some programs by saying the program name. The program names available as default global commands are: **Radio**, **CD Player**, **Directions**, **Address Book**, and **Messages**. For information on changing which program names are available, see "Changing Speech Command Options" in the chapter, "Customizing Auto PC." To go to a program that isn't selected as a global command, use the keys as described in the next section.

Wake up Auto PC and go to a program

To	Say	You'll hear
Wake up Auto PC speech recognition	≳ **Auto PC** ≲	♪♪ (awake tone) and *status information*
Go to a program	≳ *program name* ≲	♪ (speech command heard)

Example:	**To**	**Say**	**You'll hear**
	Wake up Auto PC speech recognition	⋧ **Auto PC** ⋦	♪♪ and *current program name*. You can eliminate *current program name* feedback. See Customizing Your Auto PC, Speech feedback.
	Go to CD Player program	⋧ **CD Player** ⋦	♪ (speech command heard)

Using keys to go to a program

Auto PC has a Start menu that you can use to go to programs. The Start menu has an icon for each program installed on your Auto PC.

Start menu

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To use the keys to go to a program

To	Press	You'll see
Display the Start menu	🎛	The Start menu
Select (highlight) a program icon in the Start menu	◀▶ *or* 🎛	The Start menu cycles through the program icons
Go to the selected program	● (enter) or Hold 🎛	The program's main screen
Go directly to a program with the program's shortcut number[1]	0-9	The program's main screen, note: press 🎛 then 0-9 if display is not at Start menu

Examples

1. To go to the program whose icon is two icons to the right of the current icon, press, 🎛, 🎛, ●.

2. To go to the program whose shortcut number is "3," press 🎛, 3.

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[1] The first ten programs installed on the Auto PC have shortcut numbers assigned to them. To reassign the shortcut numbers, see "To reorder the Start Menu" in the chapter "Customizing Your Auto PC."

Navigating within programs

You can navigate within a program by pressing the MENU key on the DCP. For example, under Radio you may change the Audio Settings:

You are here

This is the first of two radio options

Radio icon →

Radio Options　　　　1 of 2

Audio Settings

Press ● (enter) to go into Audio Settings

Current option displayed is Audio Settings

Press ⬍ (up or down) to select another radio option

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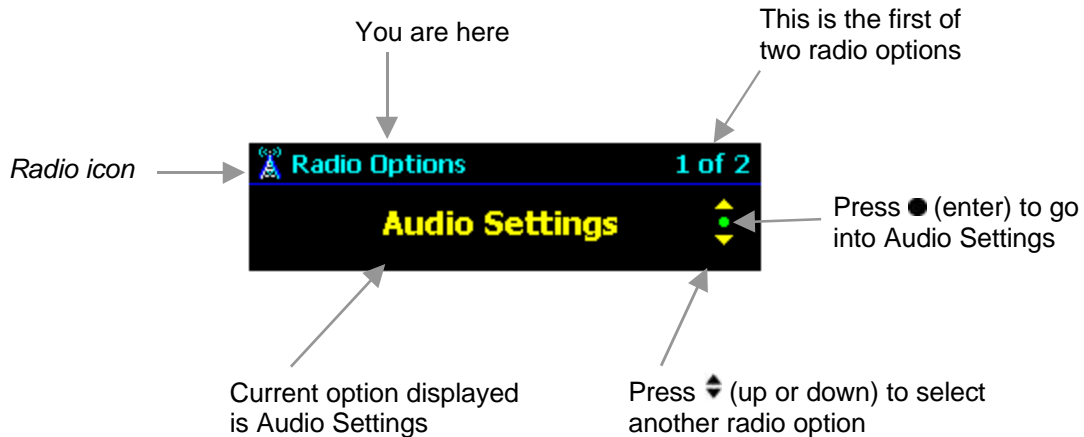
How commands are shown in this manual

Here's how voice and manual commands are shown in this document. The Push-To-Talk button (PTT) may be used in place of speaking "Auto PC" to "wakeup" the Auto PC.

Voice

If it looks like this …	It means you …
Auto PC … Radio … AM …	Say "Auto PC," wait for the "listening tone" (♪♪), say "Radio," wait for the "heard tone" (♪), say "AM" and wait for (♪).

Voice/Manual: 🛑 means stop your vehicle to do manual steps

Voice commands and equivalent manual commands shown side-by-side:

Voice	Manual 🛑	Comment
Auto PC … Directions …	◀▶ to highlight **Directions**, then ●	Access Directions program.

Manual 🛑

Many Setup function must be manually carried out. **DO NOT ATTEMPT THESE FUNCTIONS WHILE THE VEHICLE IS MOVING**.

Manual 🛑 (Stop your vehicle to do manual steps)	Comment
Press Start, and press ◀▶ to **Setup**	Select the Setup program.

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Basic setup

The procedures shown here will get you started using your Auto PC. These are just some of the settings that you can adjust. (See "Customizing Your Auto PC" later in this manual.)

Clock, date, time, and regional setup

Do clock, date, time, and regional setup by completing the following procedures:

<table>
<tr><th>Manual 🛑 (Stop your vehicle to do manual steps)</th><th>Comment</th></tr>
<tr><td>Press Start, then ◀▶ to highlight Setup, and press ●</td><td>Highlight the Setup program and enter it.</td></tr>
<tr><td>Press ♦ to select Clock, and press ●</td><td>Select Clock and enter the first option screen.</td></tr>
<tr><td>Press ◀▶ to choose an interval from 10 Sec … up to 5 min, or leave the setting at Never (default)</td><td>Chose a time interval at which the clock will be automatically displayed, or choose Never display.</td></tr>
<tr><td>Press ♦ to select Adjust for DST and then ◀▶ to choose Yes or No</td><td>Allows Auto PC to automatically adjust the Time for Daylight Savings Time (DST).</td></tr>
</table>

To activate clock display

Adjust for Daylight Savings Time

Set the date

Manual 🛑	Comment
Press ⬍ to select **Set Date**, and press ●	Select and enter Set Date.
Press ⬍ to change the Month--press ◀▶ to move to next edit box	Set the Month, Day and Year.
When the date is set, press **BACK**	Return to Set Date screen.

Set the time

Manual 🛑	
Press ⬍ to select **Set Time** and press ●	Select and enter Set Time.
Press ⬍ to change the Hour--press ◀▶ to move to next edit box	
When the time is set, press **BACK**	Return to Set Time screen.

Set the time zone

Manual 🛑	Comments
Press ⬍ to highlight **Time Zone**	Select Time Zone.
Press ◀▶ to change the zone	Examples: Pacific, Central, . . .
When the zone is set, press **BACK**	

Regional setup

Manual 🛑	
Press ↕ to select **Regional Setup**, and press ●	Select and enter Regional Setup.

Change the Regional styles and formats as shown in the table below:

To change this…	Press ↕ to highlight	And then press
Currency	**Currency**	◀▶
Date style	**Date style**	◀▶
Distance	**Distance**	◀▶
Time style	**Time style**	◀▶
Time format	**Time Format**	◀▶
Fuel measurement	**Fuel**	◀▶

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Using Global Speech Commands

Global speech commands let you get to programs directly

Global speech commands are available all the time, in any program. Global commands include speech commands that take you right to many of the programs on your Auto PC, plus commands that are useful in any program, such as "Read" and "What time is it?"

To get started using global commands, the following sections show you some tasks you can do using global commands.

- Have Auto PC tell you what speech commands you can say

- Have Auto PC tell you the time

- Change the volume

You can change which global commands are available in Setup. For more information, see "Changing Speech Command Options" in the chapter, "Customizing Your Auto PC."

To find out which commands you can say

Voice	Comments
Auto PC ...	To wake up Auto PC, if necessary.
What can I say? …	Auto PC lists (speaks) the active speech commands currently available.

To find out the time	**Voice**	**Comments**
	Auto PC ...	To wake up Auto PC, if necessary.
	What time is it? …	Auto PC reads the time aloud. For information on setting the clock, see the section earlier in this chapter.

To adjust the volume

Audio volume can be adjusted by manual controls on the DCP of the Auto PC or by using the voice commands shown here. There are 3 levels of volume adjustment, each of which have default presets that you may customize:

Voice	**Default preset value**
Auto PC ... Volume ... Quiet	5
Auto PC ... Volume ... Normal	12
Auto PC ... Volume ... Loud	20

Auto PC adjusts the volume to the specified level. You can change the volume level presets using the Audio program (see the Audio Adjustments chapter).

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Using Program Speech Commands

Program commands are specific to a program

Unlike global speech commands, program commands are specific to a particular program – you can only use them when you are in that program.

The following sections show you some examples of what you can accomplish using program commands.

- Go to a radio station preset
- Listen to a CD and change tracks
- Review directions while driving
- Dial a telephone number from Address Book
- Listen to an e-mail message

NOTE: Additional (optional) hardware may be required to accomplish some of these program commands. For example, to make Auto PC dial your cell phone, you need the cell phone cradle connected to the Universal Serial Bus (USB).

Requirements to use radio presets

Requires you to have:

- **Set a radio station preset.** For more information, see "Setting your own Preset stations" in the chapters, "Using the Radio, and Audio Adjustments."

- **Recorded a name (for example, "Classical") for the preset.** For more information on recording a named preset, see the chapter "Using the Radio"

To go to a preset radio station

Voice	Comment
Auto PC ... Radio ... Preset …	
<preset name> …	Auto PC goes to the preset station

NOTE: You can also go to a preset station by saying ≳ **Preset** ≲, and then saying the preset number (0-9).

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To listen to a CD and change tracks

Requires you to have **inserted an audio CD.** For more information, see the chapter, "Using the CD Player."

Voice	Comment
Auto PC ... CD Player ...	Auto PC goes to the CD player program and starts playing the CD.
Next …	Auto PC goes to the next track on the CD.

Chapter 4 – Using the Radio

The fastest way to learn the Clarion AutoPC system is to try out the functions you will frequently use. Once you have learned how to set up and use commands for your radio, everything else is similar and therefore easy.

The Radio program in Auto PC gives you access to most common radio functions using speech commands. Using speech commands, you can:

1. Go between AM and FM.
2. Seek forward or backward for the next station.
3. Read the current station frequency and preset label (if any).
4. Go to 20 preset stations, ten each for AM and FM. For each preset, you can assign a number key and a text label, as well as record the station name. The preset number key or text label are displayed when the preset station is shown.

Using the DCP keys (◀▶) you can seek to a station, using (♦) you can fine-tune to a station. Also, you can enter a station number directly with the numeric keys (0 – 9) after pressing (#). By pressing MENU you can also go to the Radio options, where you can edit the label and speech commands for your preset stations.

Selecting AM or FM

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comments
Auto PC ... *Radio ...*	Press **Start**, then ◀▶ to highlight **Radio**, then ●	To select the Radio program.
AM ...	● to get **AM**	If FM is highlighted, press ● to get AM.
FM ...		If AM is highlighted, say "FM" to listen to FM.
	With radio on **FM**, press ● to switch to **AM**; press ● again to turn radio **Off**.	Sequence is FM -> AM -> OFF. When radio is off, "**Off**" shows on the display.
	● to turn radio on and set it to **FM**	When display reads "**Off**," press ● to turn radio on.

Manually selecting FM, AM and turning radio OFF

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Preset stations and station names

You can establish up to 10 Preset stations for AM and up to 10 Preset stations for FM.

"Train" Auto PC to recognize commands

You can also use your voice to "train" Auto PC to recognize custom voice commands for your Preset stations. If, for example, you have a favorite ROCK and CLASSICAL station, you could give them station names such as ROCK and CLASSICAL.

Setting your own Preset stations

Once you have selected either AM or FM you will also see the radio beacon icon and the frequency to which the radio is currently set. The frequency used in this next example is FM 94.7 (or substitute any working station in your area) and you will identify this station as Preset 1.

Ways to scan or select stations

Manual 🛑 **(Stop your vehicle to do manual steps)**
Press ◀▶ lightly once to scan for station 94.7 FM, (easiest) or
Press ↕ to incrementally select the specific frequency, 94.7 FM
Press and hold the number "1" on the Key Pad for 2 seconds

Note: The time required for press and hold is customizable; see the section on Timeouts in the Customize Your Auto PC chapter.

Note that the Display now reads "**Preset 1**" in the lower right of the display. Use the same procedure to set other Preset stations:

- Preset 1, 2, . . . , 9, 0 for AM

- Preset 1, 2, . . . , 9, 0 for FM

To listen to a Preset station

Voice	Manual 🛑	Comment
Auto PC ... *Radio ...*	Press **Start**, then ◀▶ to highlight **Radio** and press ●	To select the Radio program.
FM ...	If display reads AM press ● twice to get back to FM	
Preset ...		Wait for the "heard" tone.
One …	Press & release 1 on the Key Pad	Station changes to your preset, and *"Preset 1"* appears on screen.

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Setting your own station names

You can assign station names for your Preset stations using names of your choice. This next sequence builds upon the Preset 1 station already established in the earlier example (ROCK = Preset 1 = 94.7 FM).

Manual ⬢
Press **Start**, then ◀▶ to highlight **Radio** and then ●
Press **MENU** then ⬍ to select **Edit Preset Stations**
Press ● and the display reads "<Record Station Name>"
Press ◀▶ to select the Preset number
Press ● and display reads *"Say Command Word three times at the tone prompt"*--press ●
Record the Command Word ("ROCK") three times when prompted by the tone (♪♪)--wait for the "understood" beep (♪) after each repetition
Display reads: *"Custom Command successfully recorded"* (for 5 seconds) and then *"Station name recorded"*

Change name from "Preset 1" to "ROCK"	**Manual** 🛑
	Press **Start**, then ◀▶ to highlight **Radio** and then ●
	Press **MENU** then ⬍ to select **Edit Preset Stations**
	Press ⬍ for display to read *"<Enter Station Name>"* then press ●
	Press ⬍ to enter the letter "**R**" then ◀▶ to move to the next spaces and enter "**O**" then "**C**" then "**K**"
	Press ● to enter the name "**ROCK**"
	Press **BACK** and notice that the Display now reads "**ROCK**" in the lower right corner

Using lower case letters

You can use lower case letters if you prefer. For example, suppose you prefer to see "**Rock**." Simply move to an upper case letter ◀▶ , then press down once ▼ to change the letter from upper to lower case. Pressing up ▲ will change a lower case letter back to upper case.

You can also use the numeric Keypad to input or edit letters. Refer to Tips and Troubleshooting chapter for more information on use of the numeric keypad.

Changing Radio Options

Use the following procedure to adjust audio settings from the Radio program.

Manual 🛑
Press **Start**, then ◀▶ to highlight **Radio** and then ●
Press **MENU**
Press ↕ to select **Audio Settings**; for more information, see Audio Adjustments chapter

Chapter 5 – Using the CD Player

The Auto PC CD Player program gives you access to advanced play functions using speech commands. Using speech commands, you can:

- Play and pause the CD
- Delete the current track from the tracks played for the current CD
- Play tracks randomly
- Go to the next or previous track
- Go to the next CD (if you have the optional CD changer)

Using the control panel keys, you can also fast forward, rewind, or enter a track number. You can also go to the CD Player options menu where you can control which tracks to play and change the display options for the CD Player.

Types of CDs you can use with Auto PC

CD type	Comments
Normal consumer Audio CDs	These are the popular compact discs used to play music.
2 ½ inch consumer CD Singles	These CDs can also be used in the Auto PC's in-dash player.
4 ¾ inch computer CD-ROMs	CD-ROMS are used by the Directions program to access map data, and by the Setup program to install new Auto PC programs. For more information, see the chapters, "Using Directions" and "Customizing Your Auto PC."

NOTE: The Auto PC CD mechanism cannot read "Multi session" type CD-ROMs. These CD-ROMs are typically used for computer database and data archival applications.

Before operating the CD Player

1. Power on the unit and lower the control panel to allow insertion of a disc into the CD slot. Grip the control panel, pulling the control panel out outward and downward in one continuous motion as shown to the right.

2. Place the DCP in the fully open position as shown below. Notice the position of the CD slot and the eject button.

CD slot   Eject button
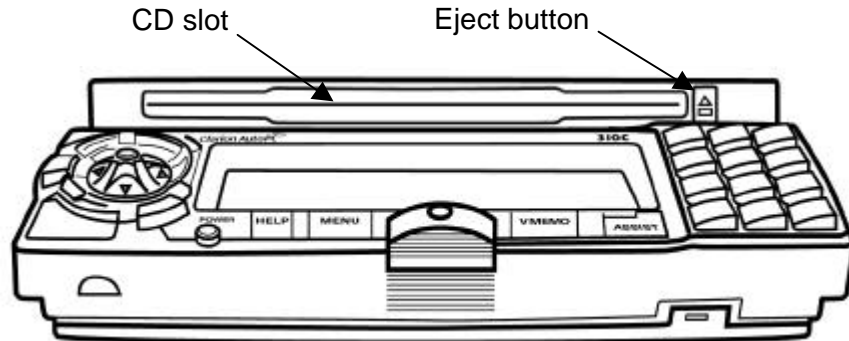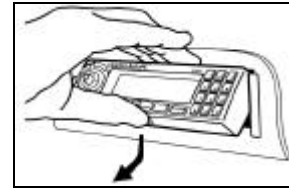
(Before operating the CD Player, continued)

3. Look to see that the CD will clear the top of the control panel as illustrated on the right.

4. Push the disc into the CD slot half way, and the drive will pull it in the rest of the way.

Correct clearance
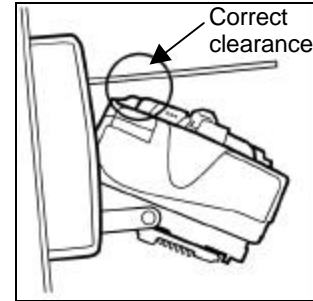
Playing CDs

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comments/Illustrations
Auto PC … *CD Player…*	Press **Start**, then ◀▶ to highlight **CD Player**, then ●	To select the CD Player program.
Play ... *Pause ...*	●	Play or pause a track. Note: **Stop** has the same effect as **Pause**.
Next ... *Previous …*	◀▶	Play the next or previous track.
Random …	◀▶ to highlight **CD Player,** ● and **MENU**	CD Player Options 1 of 4 — **Audio Settings**
	⬍ to highlight **Random Playback**	CD Player Options 2 of 4 — **Random Playback: Off**
	◀▶ to set **On** (or **Off**)	Turns Random play on or off.
	Press **BACK**	If Random is **On** a symbol appears in lower right of CD playback screen: ▶02 10:12

	Voice	Manual ⏹	Comments/Illustrations
Delete track	*Delete ...*		Deletes track currently playing.
Delete or restore tracks		Press **MENU**	CD Player Options 1 of 4 **Audio Settings**
		⬍ to highlight **Disc Play List**, then ● to see the Play List	CD Player Play List Disc 6
		◀▶ to choose the track, then ● to delete (or restore) it	
		Press **BACK** to see CD playback screen	

	Manual ⏹	Comments
Fast forward and backward	Press and hold ◀▶	Fast-forward or backward within a track.
Go to a track	Use buttons 0 – 9 for track number	Go to a track, examples: 1 or 10 or 35--or use ◀▶ (one touch) to go forward or back one track at a time.

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Change the CD display options	**Manual ⑩**	**Comments/Illustrations**
	Press **MENU**	To see the CD Player options
	Press ⬍	Select Display
	Press ◀▶	Select the display you want

Changing Audio Options

Use the following procedure to adjust audio settings from the CD Player program.

Manual ⑩
Press **MENU**
Press ⬍ to select **Audio Settings**; for more information, see the chapter on Audio Adjustments

Change discs[1]	**Manual ⑩**	**Comments/Illustrations**
	Press and release * then button 0 – 6 for disc number	Go to a disc (if you have an optional CD changer). Press button 0 to use the in-dash CD.

---

[1] For a six disc CD Changer system.

General cautions for CD handling

1. Do not warp or bend a CD.

2. A CD is vulnerable to heat, so do not leave it near a heater, in the sun, or anywhere else where it will be exposed to heat.

3. Be careful not to scratch a CD.

4. Do not paste any labels on the disc surface or write anything on the label surface (printed surface).

5. Do not increase the diameter of the center hole.

6. Do not wipe a CD with alcohol (particularly industrial methyl alcohol), water, conventional record cleaner solution, static electricity prevention agent, or similar liquids.

7. Keep fingerprints, oil, and dust off of a CD.

8. If the CD is dirty, wipe it with a soft cloth. Do not use a silicon cloth. When wiping, always wipe from inside to outside.

9. Never force a CD into or out of the CD slot.

10. Insert a disc so that the playing side is down and the label side is up.

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Chapter 6 – Audio Adjustments

You can change bass and treble, equalizer settings (including named presets), balance, fade, loudness, and volume presets.
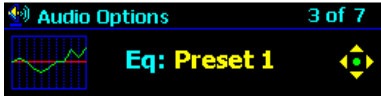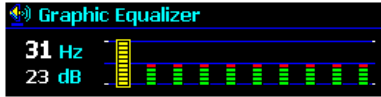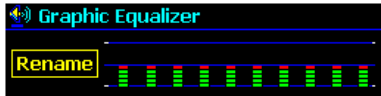
You can access **Audio Settings** through the **Radio** or **CD Player** programs, or from the **Audio** program in the Start menu.

Making audio adjustments from Audio program (Start menu)

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comments/Illustrations
Auto PC … *Audio …*	Press **Start**, then ◀▶ to highlight **Audio**	Highlight the Audio program.
	● to see first Audio Option	
	◀▶ to adjust **Bass** level	Adjust level to zero, or to a plus or minus value.
	▲▼ to select **Treble**, ◀▶ to adjust level	Adjust level to zero, or to a plus or minus value.

(Making audio adjustments continued.)

To change an equalizer preset
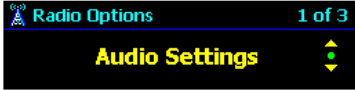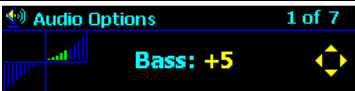
Manual 🛑	Comments/Illustrations
⬍ to select **Eq** and ◀▶ to select the preset you want to change	🔊 Audio Options 3 of 7 Eq: Preset 1
Press ● then ⬍ to change the setting, ◀▶ to select another frequency	🔊 Graphic Equalizer **31** Hz 23 dB
To rename the Preset, press ◀▶ until **Rename** is shown	🔊 Graphic Equalizer Rename Note: Rename is an optional step, and if not desired, press BACK to return to Eq screen.
Press ● and edit the name, press ● to return to the Eq Edit screen	🔊 Rename t

(Audio adjustments continued.)
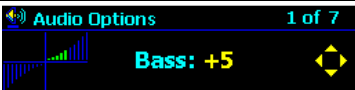
Manual 🛑	Comments/Illustrations
⬍ to select **Balance**, ◀▶ to adjust right or left	Adjust sound balance to middle (zero), or to the left or right side.
⬍ to select **Fade** ◀▶ to adjust front or back	Right adjusts fade to the front and left adjusts it to the back.
⬍ to select **Loudness**, ◀▶ to set **On** or **Off**	Select Loudness On to increase bass with low volume levels.
⬍ to select **Volume Presets**, then ●	◀)) **Volume Commands**　　　1 of 3 　**Quiet Preset: 5**　　◇
◀▶ to adjust level	Right is louder, left is quieter.
⬍ to select **Normal Preset** and ◀▶ to adjust level	◀)) **Volume Commands**　　　2 of 3 　**Normal Preset: 10**　　◇
⬍ to select **Loud Preset** and ◀▶ to adjust level	◀)) **Volume Commands**　　　3 of 3 　**Loud Preset: 15**　　◇

Here are illustrations of access to audio adjustments from either the **Radio** or **CD Player** programs.

	Voice	Manual 🛑	Comments/Illustrations
Access Audio from Radio program	*Auto PC ...* *Radio ...*	Press **Start**, then ◀▶ to highlight **Radio**, then ●	To select the Radio program.
		Menu	Radio Options 1 of 3 **Audio Settings**
		Then ●	Audio Options 1 of 7 **Bass: +5**
Access Audio from CD Player program	*Auto PC …* *CD Player…*	Press **Start**, then ◀▶ to highlight **CD Player,** then ●	Select the CD Player program.
		Menu	CD Player Options 1 of 4 **Audio Settings**
		Then ●	Audio Options 1 of 7 **Bass: +5**

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Chapter 7 - Using Address Book

With Auto PC's Address Book, you can stay in touch with family, friends, and business contacts. Address Book stores work and home addresses, phone, fax and pager numbers, and e-mail addresses to give you quick access when and where you need it.

Contacts are listed in alphabetical order. Above is a sample display of Address Book, showing the first name listed under the letter "A."

Address Book command words and keys

This table lists some words and key presses used in Address Book.

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comments
Auto PC … *Address book …*	Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
Letter … "T" … *List …*		To hear all names in the Address Book starting at T. Press ● to stop.
Next … or *Previous …*	↕	To highlight a contact.
	◀▶	To go to the next letter tab.
Select …	●	To open contact information.
Read …		To read the current name.
Locate … *<custom command word> …*		To find a contact with previously recorded custom command word.

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The following examples illustrate commands to initiate dialing a number from an existing Address Book entry. Actual dialing of the phone number requires a cell phone which is an optional accessory.

Example 1: Dialing a phone number

Voice	Manual 🛑	Comments
Auto PC … Address book …	Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
Letter … "P" …		To go to a specific letter tab. Example: the letter "P."
Next … or *Previous …*	⬍ or ◀▶	Highlights an entry. ⬍ finds next entry. ◀▶ steps through alphabet.
Select …	●	Displays phone number.
Read …		Auto PC "reads" the number.
Next … or *Previous …*	⬍	Goes to Next or Previous number for this entry and reads it to you.
Dial …	Press **MENU**, then ⬍ to select **Dial**, then ●	The unit "asks" if you want to dial the selected number.

(Dialing a phone number continued.)

Voice	Manual 🛑	Comments
Yes … or **No …**	◀▶ to select "Yes or "No," then ●	If "Yes," the display shows *"Dialing …"* with the associated number.
	BACK	To return to Address Book List.

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Example 2: Recording a custom name

The following examples illustrate recording and using a custom command word to dial the phone.

Manual 🛑
Press **Start**, then ◀▶ to highlight **Address Book**, then ●

◆ to find the entry

Menu and then ◆ to find **Record Contact Name**

●: Display reads *"Say Command Word three times at the tone prompt."*

Record the custom name

●: Record "**Marvin Adams**" three times when prompted by the tone (♪♪)--wait for the "understood" beep (♪) after each repetition

Display reads: *"Custom Command successfully recorded"* (for 5 seconds) followed by:

The quote marks (▨) to the right of Address Book List indicate a Custom Command Word now exists for this entry
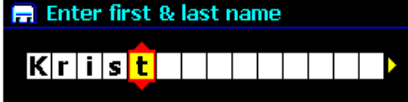
Example 3: Using a custom name to dial

Voice	Comments/Illustrations
Auto PC … *Address book …*	To select the Address Book program.
Locate … *<Marvin Adams> …*	This is displayed: And the unit "reads" the name "Marvin Adams."
Dial …	The unit "asks" if you want to dial the number (example: Work phone is Preferred Phone).
Yes … or **No …**	If "Yes," the display shows *"Dialing …"* with the associated number. If you say "No," you may still choose from other phone numbers by saying "Next" or "Previous" and the unit will "read" another number such as Pager or Mobile phone.
BACK	To return to Address Book List.

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Add, edit or delete a contact

These procedures help you to share contacts with other mobile devices, and make changes in Address Book. In the Getting Started chapter you saw how to customize a radio station name. Adding a new entry to the Address Book is similar as is seen in the following example.

To enter a new name

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program and see the Address Book List.
MENU and select **New Entry** and then ●	To select the New Entry function and see: 🔲 New entry **<enter first, last name>** •
● then press ♦ to enter the first letter of the first name then ◀▶ to move to the next spaces and enter more letters	Example of partially entered first name: 🔲 Enter first & last name **K****r****i****s****t** ▶ **NOTE:** be sure to leave a space between first and last name.

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(Enter new name continued)

Manual 🛑	Comments
● when name is entered	You are prompted to *<Record Contact Name>*
●	Display reads *"Say Command Word three times at the tone prompt."* Press ▼ if you want to skip recording the name.
Record the name ●	1. Record the new name three times when prompted by the tone (♪♪). Wait for the "understood" beep (♪) after each repetition. 2. Then the display reads: *"Custom Command successfully recorded"* 3. Then the display reads: "Preferred Phone: Work"
Select Preferred Phone ◄► to select alternative	Alternatives are: Work, Home, and Mobile.
●	Example: You see *<enter mobile phone>*
●, then ♦ to enter the number, then ●	Example: You see *"Mobile: 555 3456."*
BACK	You see *"<name> added to Address Book"* (for 3 seconds) then the Address Book List.

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To edit or add to existing contact information

Manual ⏹	Comments
Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
◀▶ and ♦, then ●	To select a contact.
Press **MENU**, then use ♦ to select **Edit All Fields**, then use ◀▶ to set **Yes**	This procedure is required if you want to edit or add to all contact fields.
Press **BACK**	Display (example) shows the contact with three icons representing 3 types of information: Phone, Work and Home. **▦ Kristophe Craft ««»** 📞 💼 🏠 **5227 12th Avenue NE** ⟐
Use ◀▶ and ♦ to edit or add information	Use ◀▶ to choose the type of information to add or edit. Use ♦ to choose the field with the type of information
●	To start and stop editing.
BACK	When done entering, press ● to accept. To cancel changes press **BACK**.

Data field options for phone

Phone			
1. Work	2. Work2	3. Mobile	4. Car
5. Home	6. Home2	7. Pager	8. Assist

Data field options for work

Work			
1. Work	2. Fax	3. Email	4. Title
5. Dept	6. Mobile	7. Pager	8. Car
9. Work2	10. Assist	11. Assist#	12. Spouse
13. Web	14. Bday	15. Anvrsry	16. Mr/Ms/..
17. First	18. Middle	19. Last	20. Company
21. Address	22. Addr2	23. Addr3	24. Addr4
25. City	26. State	27. Postal	28. Country

Data field options for home

Home			
1. First	2. Middle	3. Last	4. Address
5. Addr2	6. Addr3	7. Addr4	8. City
9. State	10. Postal	11. Country	12. Home
13. Fax	14. Email	15. Spouse	16. Web
17. Bday	18. Anvrsry	19. Assist	20. Assist#
21. Mr/Ms/..			

To delete a contact

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
◀▶ and ♦, then ●	To select a contact.
MENU, then ♦ to highlight **Delete**, then ●	To delete a contact.
◀▶ to highlight **Yes** and press ●	To confirm deletion. Be sure to check that the correct contact is being deleted.

To set a preferred phone

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
◀▶ and ♦, then ●	To select a contact.
MENU and select **Preferred Phone**	To select the Preferred Phone function.
◀▶ to highlight **Work**, **Home**, **Mobile** or **Pager**, then **BACK**	Select Work, Home, Mobile or Pager as the preferred phone. You can establish a Preferred Phone for each contact.

Transfer a contact

If you have another mobile device powered by Windows CE, such as the Handheld PC or Palm-sized PC, you can quickly transfer your contacts to your Auto PC through the infrared port.

To transfer contacts to or from a mobile device

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Address Book**, then ●	To select the Address Book program.
◀▶ and ♦, then ●	To select a contact to send. (This step is not required for receive.)
MENU, then ♦ to highlight **Send** or **Receive**, then ●	To send or receive a contact.
	Set your mobile device to receive or send contacts via the infrared port.
	Align your mobile device's infrared port with your Auto PC's infrared port and hold until Auto PC confirms the contact has been transferred.

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NOTE: If you are having trouble transferring data, be sure that your infrared ports are aligned. If the problem persists, change your infrared transfer speed in Setup. (See "Customizing Your Auto PC.")

Browsing Contacts

You can browse addresses using command words or the keys.

To have Auto PC read names

Voice	Manual 🛑	Comment
Auto PC … *Address book …* *List …*		Auto PC starts reading names beginning from the tab (A, B, C, …) selected.
	●	To stop. All other keys except ASSIST will also stop.
Read …		To read one name.

To locate a contact

Voice	Comment
Auto PC … Address book … Locate … *<custom command word > …*	To find a pre-recorded contact name.

To tab through contacts

Voice	Manual 🛑	Comment
Auto PC … *Address book …*		To select the Address Book program.
	◄►	To go to the next letter tab.
Letter … "P" …		To go to a specific letter tab. Example: the letter "P."
Next … or *Previous …*	▲▼	To scroll through contacts.

Protecting Address Book information

If you have phone numbers and addresses in Auto PC that you don't have backed up on another mobile device, you may want to back up the information in case it is lost or corrupted. You also may want to password protect your data to prevent unauthorized access.

For more information, see "Add or Change a Password" in the chapter "Customizing Your Auto PC," and the chapter "Backup/Restore."

Chapter 8 - Using Directions

Use the Auto PC's driving directions to free yourself from struggling with maps, and keep your attention focused on the road.

Directions Feature   The Directions feature is intended to provide turn by turn instructions to get you to a desired destination.   Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard   Directions is one of the features of the Windows CE for the Auto PC system which can require manual (non-verbal) set-up. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident. Stop the vehicle in a safe and legal manner before attempting these operations.

Emergency Services   Do not rely on the navigation system to route you to emergency services. Ask local authorities or a "911" operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are likely to be contained in the navigation map's database.

Auto PC can guide you using a map data CD

With a map data CD, Auto PC can guide you to your destination.

Enter a starting point and a destination

With Auto PC Directions, you enter a starting point and a destination. Directions calculates a route for you to take, and gives you turn-by-turn directions on screen and reads the directions to you.

Potential Map Inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions.   Always use good judgment and common sense when following the suggested routes.

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What you'll need

You will need a start point and a destination point to give to the Directions program in order for it to calculate a route and supply you with specific directions. Start and destination points come from a several sources. Two important sources are map data CDs and your Address Book.

Map data CDs are provided by Clarion Partners

The Directions program supports map data CDs offered by Clarion Partners, allowing you to choose CDs appropriate to your area. Addresses contained in your Address Book may be used as start points and destinations points. As described in the Address Book Chapter, you can transfer addresses from a Windows CE-based mobile device (such as a Handheld or Palm-size PC) through the infrared port to the Address Book.

Where to get map data for your region

To use Auto PC's Directions, you need a compact disc that contains map data for the region in which you are traveling. For a list of Clarion partners offering map CDs supported by Auto PC, go to the web site www.autopc.com and click on Partners.

How to receive GPS satellite signals

To receive GPS satellite signals you will need the optional GPS Receiver. Contact your Clarion dealer for further information.

Directions command words and keys

The following table summarizes the words and key presses used in Directions:

The three key steps in Directions

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comment
Auto PC … Directions …	Press **Start**, then ◀▶ to highlight **Directions**, then ●	To select the Directions program.
	Press **1** or use ◀▶ to select **Set Start**, then ●	Create a new route: *Step 1.* Set Start Point.
	Press **2** or use ◀▶ to select **Set Destination**, then ●	Create a new route: *Step 2.* Set Destination Point.
Go …	Press **3** or ◀▶ to select **Get Directions**, then ●	Create a new route: *Step 3.* Calculate Directions.
Next … or *Previous …*	◀▶	Go to next or previous turn.
Read …		Read the current turn.
	Hold ◀▶	Go to the first or last turn.
List …		Hear the remaining turns.
	MENU, select **Backtrack**	Reverse the last route calculated.

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Ways to select a start and destination points

Types of locations	Start Type	Destination Type
1. Current GPS Location[1]	Yes	No
2. Last Destination	Yes	No
3. Street Address	Yes[2]	Yes[2]
4. Point of Interest (POI)	Yes[2]	Yes[2]
5. Intersection	Yes[2]	Yes[2]
6. Address Book	Yes	Yes
7. Pocket Streets[3] (via IrDA)	Yes	Yes

How to enter the different types of start and destination points is explained on the following pages.

---

[1] Only with optional GPS

[2] Input from map CD
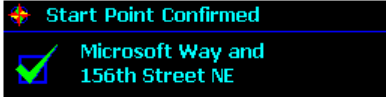
[3] In order to use Pocket Streets input, and import addresses from a hand held device, you must use MS Pocket Streets V2.51 and Microsoft Windows CE V2.0.

Commands to enter a start point

Insert map data CD
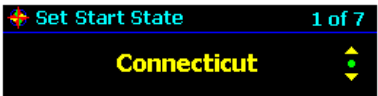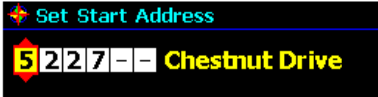
Insert the appropriate map CD before using the procedures in this section. Auto PC may request that you initialize navigation. Insert the navigation initialization CD and follow the directions. Then insert the map data CD.

Last destination

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program: **❶** Set Start **❷** Set Destination **❸** Get Directions `<Press Enter to begin>`
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ◆ to highlight **Last Destination**, then ●	Display (example) shows: ✦ Start Point Confirmed ✓ Microsoft Way and 156th Street NE for 5 seconds, then automatically shows Set Destination: **❶** Set Start **❷** Set Destination **❸** Get Directions `<Press Enter to begin>`

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When using the map data CD for the first time, the Directions program will request that you choose a state, e.g., Michigan, before requesting that you choose a city within the state. This initial condition is illustrated only once in the pages which follow, in the description of Street Address.

Street Address

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ✦ to highlight **Street Address**, then ●	Pick the Start type, and the Display shows state directory: ✦ Set Start State 1 of 7 **Connecticut**
Use ✦ to select the state, then ●	✦ Set Start City 1 of 22 **Medford** I J K L **M** N O P
Use ◀▶ and ✦ to highlight the city of your choice, then ●	✦ Set Start Street 1 of 214 **Chestnut Drive** A B **C** D E F G H
Use ◀▶ and ✦ to highlight the street of your choice, then ●	✦ Set Start Address **5** 2 2 7 - - **Chestnut Drive**

(Entering Street Address as a start point continued)
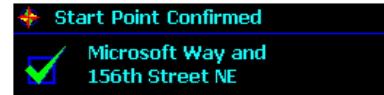
Manual 🛑	Comment/Illustration
Use ↕ or number keys to enter street number, then ●	Display (example) shows: **Start Point Confirmed** ✓ Microsoft Way and 156th Street NE for 5 seconds, then automatically shows Set Destination

Point of Interest

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program. ① Set Start ② Set Destination ③ Get Directions <Press Enter to begin>
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ↕ to highlight **Point of Interest**, then ●	Pick the Start type, and the Display shows city directory. Display example: **Set Start City** 1 of 22 **Medford** ◆ I J K L **M** N O P

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(Entering Point of Interest as a start point continued)

Manual 🛑	Comment/Illustration
Use ◀▶ and ♦ to highlight the city of your choice, then ●	Display shows the first of many types of Points of Interest. Example: Airport.
Use ♦ to highlight the Start POI Type, then ●	Display shows directory of that POI type. Example: Business.
Use ◀▶ and ♦ to highlight the POI of your choice, then ●	Display shows confirmation of Start Point for 5 seconds, then automatically shows Set Destination.

Intersection

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ♦ to highlight **Intersection**, then ●	
Use ◀▶ and ♦ to highlight the city of your choice, then ●	Display (example) shows:

(Entering Intersection as a start point continued)

Manual 🛑	Comment/Illustration
Use ◀▶ and ▲▼ to highlight the Start Street of your choice, then ●	**Set Start Street** — 1 of 214 — **Chestnut Drive** — A B **C** D E F G H
Use ▲▼ to highlight the Cross Street of your choice, then ●	**Select Cross Street** — 1 of 14 — **30th Street W.**
	Display shows confirmation of Start Point for 5 seconds, then automatically shows Set Destination.

Address Book

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ▲▼ to highlight **Address Book**, then ●	**Set Start Contact Address** 1 of 73 — **Alvin Adams** — **A** B C D E F G H

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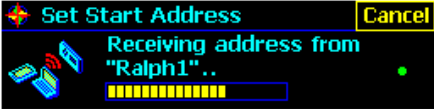
(Entering start point from Address Book continued)

Manual 🛑	Comment/Illustration
Use ◀▶ and ▲▼ to highlight the contact of your choice, then ●	Display shows the contact.
Use ▲▼ and ◀▶ to go to the home or work address of the contact	Refer to the "briefcase" or "home" icons to choose desired address.
●	Display shows confirmation of Start Point for 5 seconds, then automatically shows Set Destination.

Pocket Streets

You can transfer an address entry from a Windows CE-based mobile device using the infrared port. On your mobile device, you send the address via the infrared port as illustrated below.

To transfer a start address from a mobile device
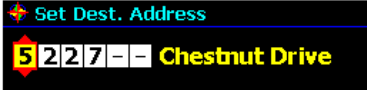
Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
Press **1** or use ◀▶, then ●	Select Set Start function.
Select **Pocket Streets**, then ●	Display shows *"Looking for IR device …"* (You must use MS Pocket Streets V2.51 and Microsoft Windows CE V2.0.)
Align your mobile device's infrared port with your Auto PC's infrared port	Display shows (example):
Hold in aligned position	Hold until *"Address Received"* appears on your Auto PC."
	Display shows confirmation of Start Point for 5 seconds, then automatically shows Set Destination.

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GPS
(Requires optional GPS receiver)

Manual 🛑	Comment/Illustration
Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
Use ◀▶ to highlight **Set Start**, then ●	Select Set Start function.
Use ▲▼ to highlight **GPS**, then ●	Select GPS.
	Display shows confirmation of Start Point for 5 seconds, then automatically shows Set Destination.

Commands to enter a destination point

Street Address

Manual 🛑	Comment/Illustration
Selection of start point already successfully completed	Display shows:
Press ● to select Set Destination Type, then use ↕ to highlight **Street Address**, then ●	Display (example) shows:
Use ◆▶ and ↕ to highlight the city of your choice, then ●	
Use ◆▶ and ↕ to highlight the street of your choice, then ●	
Use ↕ or number keys to enter street number, then ●	Display shows confirmation of Destination Point for 5 seconds, then automatically shows Get Directions.

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Point of Interest

Manual 🛑	Comment/Illustration
Selection of start point already successfully completed	Display shows:
Press ● to select Set Destination Type, then use ⬍ to highlight **Point of Interest**, then ●	Display (example) shows:
Use ◀▶ and ⬍ to highlight the city of your choice, then ●	Display shows the first of many destination POI types. Example: ATM.
Use ⬍ to highlight Destination POI Type, then ●	Display shows directory of that POI type. Example: Banks.
Use ⬍ and ◀▶ to highlight the tab, e.g. "B" then ●	Example: You want an ATM at a Bank of America.
Use ◀▶ and ⬍ to highlight the address of the POI of your choice, then ●	Display shows confirmation of Destination Point for 5 seconds, then automatically shows Get Directions.

Intersection

Manual ⬙	Comment/Illustration
Selection of start point already successfully completed	Display shows:
Use ⬍ to highlight **Intersection**, then ●	
Use ⬌ and ⬍ to highlight the city of your choice, then ●	Display (example) shows:
Use ⬌ and ⬍ to highlight the Destination Street of your choice, then ●	
Use ⬍ to highlight the Cross Street of your choice	
Press ●	Display shows confirmation of Destination Point for 5 seconds, then automatically shows Get Directions.

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Address Book

Manual 🛑	Comment/Illustration
Selection of start point already successfully completed	Display shows:
Use ↕ to highlight **Address Book**, then ●	
Use ◀▶ and ↕ to highlight the contact of your choice, then ●	Display shows the contact.
Use ↕ and ◀▶ to find the home or work address of the contact	Refer to the "briefcase" or "home" icons to choose desired address.
Press ●	Display shows confirmation of Destination Point for 5 seconds, then automatically shows Get Directions.

Pocket Streets

Manual 🛑	Comment/Illustration
Selection of start point already successfully completed	Display shows:
Press **2** or use ◀▶, then ●	Select Set Destination function.
Use ↕ to highlight **Pocket Streets**, then ●	Display shows *"Looking for IR device …"* (You must use MS Pocket Streets V2.51 and Microsoft Windows CE V2.0.)
Align your mobile device's infrared port with your Auto PC's infrared port	Display shows *"Receiving address from <name>.."*
Hold in aligned position	Hold until *"Address Received"* appears on your Auto PC."
Press ●	Display shows confirmation of Destination Point for 5 seconds, then automatically shows Get Directions.

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Calculating the route

When you request a route, Auto PC takes the starting point and destination you've entered and determines a route for you to take.

Let Your Judgment Prevail

The Directions navigation system is only an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. This feature is not a substitute for your personal judgment.   Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

You have a choice of a route that includes or excludes freeways. You also have the option to have Auto PC display safety warnings.

To set route preference

Manual 🛑	Comment/Illustration
Destination point has already been selected and confirmed	Display shows:
Press MENU to see **Set Route Preference** screen	Display shows *"Preference: Fastest."*
Use ◀▶ to select **Fastest** or **Local Roads**	Fastest includes freeways in the route.
Use ▲▼ to select **Display Safety Warning** screen, and ◀▶ to select **Yes** or **No**	Display shows: *"Show Warning: Yes."*
Press **BACK** to return to Get Directions	You are now ready to request a route, as shown on the next page.

To display safety warning

To request a route

Manual 🛑	Comment/Illustration
Destination point has already been selected and confirmed	Display shows:
Press **3** key or ●	Display shows: Depending on the distance traveled and the complexity of the route, this calculation may take up to several minutes.
	When the calculation is done the display shows (example):
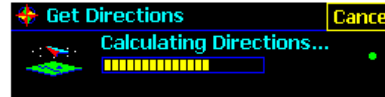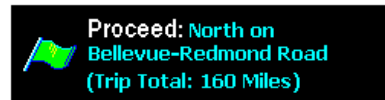
Driving the route
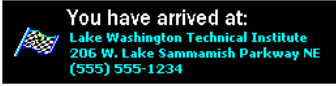
Route Safety

Do not follow the route suggestions if you are instructed to perform an unsafe or illegal maneuver, if you are placed in an unsafe situation, or if you are directed into an area which you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.

Move directions forward with voice commands

Once your route is set, you can move the directions forward with voice commands as you drive.

To advance or go back a turn
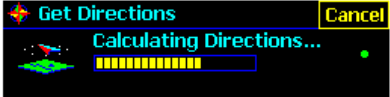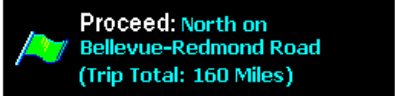
Voice	Manual 🛑	Comment
Next … or ***Previous …***	◀▶	Advance or go back one turn. Each turn is read to you aloud by Auto PC.
		Upon reaching the destination, Auto PC announces that "You have reached your destination," and the display reads (example):

> You have arrived at:
> **Lake Washington Technical Institute**
> **206 W. Lake Sammamish Parkway NE**
> **(555) 555-1234**

To hear a turn again

Voice	Comment
Read …	To hear the current turn again.

To backtrack a route

Voice	Manual 🛑	Comment
Auto PC … Directions …	Press **Start**, then ◀▶ to highlight **Directions**, then ●	Select Directions program.
	Press **MENU**, then use ⬍ to highlight **Backtrack**, then ●	Select Backtrack and Display shows:
		When the calculation is done the display shows (example):

Chapter 9 - Using Messages

Knowing when an important message has arrived

With the Auto PC Messages program and the optional wireless receiver hardware, you can receive and listen to messages over the airwaves.

Messages lets you know when you've received important information, and reads it to you. The information available from Auto PC Messages depends on your content provider, but can include Traffic, News and E-Mail.

If you're interrupted while reviewing your messages, Messages remembers where you were, and comes back to the message for you to continue where you left off.

Message alert

"Message alert" lets you know when you've received a message.

To hear a message alert tone

To turn the message alert tone on or off, see Changing Auto PC Sounds in the Customizing Your Auto PC chapter.

Messages command words and keys

The following table shows the words and key presses used in Messages.

Voice	Manual 🛑 (Stop your vehicle to do manual steps)	Comment
Auto PC … *Messages …*	Press **Start**, then ◀▶ to highlight **Messages**, then ●	Highlight and select Messages program.
E-mail …	◀▶	Loads your e-mail or pages.
News …	◀▶	Loads your news stories.
Traffic …	◀▶	Loads traffic alerts.
Back …	**BACK**	Return to Messages main screen.
Next … or *Previous …*	▲▼	Go to next or previous message.
Delete …	*****, or press **MENU**, then ▲▼ to select **Delete**, then ●	Delete current message.
	MENU, select **Delete All**, then ●	Delete all messages.
Read …	●	Open selected message and hear it read.

(Messages Command Words and Keys continued)

Voice	Manual 🛑	Comment
List …	Press **MENU**, use ⭥ to select **List**, then●	Hear available messages.
	Press **MENU**, use ⭥ to select **Lock, then** ●	Lock a message.

What You'll Need To use Auto PC's Messages, you need to set up wireless services so you can receive e-mail, news, and traffic content for the Messages program To receive messages, you need to:

- Install the Auto PC FM wireless receiver hardware

- Sign up with an information provider

- Sign up with a network carrier

- Choose the information you want to receive on your Auto PC

For more information, see the documentation provided by your wireless receiver manufacturer.

Reviewing Messages

When you receive a message, Messages alerts you with a tone (if audible notification is on), and with an asterisk over its icon on the Start menu.

The summary information shown on the selection list is different for each type of message. For E-mail, you see who it's from. For Traffic, you see the area the traffic alert affects, and, for News, you see the title. Messages that haven't been read have an asterisk (*) by them.
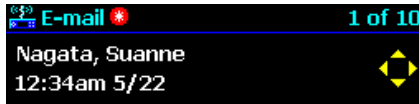
E-mail Message Listing
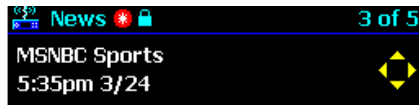
News Message Listing

News Message Text

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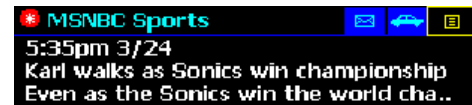
To listen to a message

Voice	Manual 🛑	Comments
Auto PC … *Messages …*	Press **Start**, then ◀▶ to highlight **Messages**, then ●	To select Messages program.
Traffic …, or *News …,* or *E-mail …*	◀▶	To switch between Traffic, News, or E-mail. Pages are included under E-mail.
Next … or *Previous …*	↕	To select the message you want.
Read ...	●	If you want to see more of a message, to scroll down.

To delete a message

Voice	Manual 🛑	Comments
Auto PC … *Messages …*	Press **Start**, then ◀▶ to highlight **Messages**, then ●	To select Messages program.
Traffic …, or *News …,* or *E-mail …*	◀▶	To switch between Traffic, News, or E-mail. Pages are included under E-mail.
Next … or *Previous …*	♦	To select the message you want.
Delete ...	*****, or press **MENU**, then ♦ to select **Delete**, then ●	Delete current message.
Yes … or	◀▶ to highlight **Yes**, then ●	To select Yes, when asked to confirm the deletion.
No …	◀▶ to highlight **No**, then ●, or **BACK**	To cancel deletion.

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Saving Messages

To preserve important messages from being automatically deleted, you may "lock" email, news, or traffic messages.

To lock/unlock a message

Voice	Manual 🛑	Comments
Auto PC … *Messages …*	Press **Start**, then ◀▶ to highlight **Messages**, then ●	To select Messages program.
	Press **MENU**, then ↕ to select **Lock/Unlock**	To select the Lock/Unlock function.
	●	To lock a message (or to unlock a previously locked message).

Changing message storage options

Because message content can quickly use all of the memory you have available for data storage, you may want to specify how much of the memory you have allocated for data storage can be used for wireless content.

To change message storage

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To access Setup program. Note: there is no voice command for the Setup program.
♦ to select **Message Storage**, then ●	To access the Message Storage parameter.
◀▶	To select the percentage of available storage memory you want allocated for message content.

Note: Unless you have locked older messages, when the storage limit is reached, Auto PC automatically deletes older messages to make room for new incoming messages.

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To change the message storage alert

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To access Setup program.
⬍ to select **Messages**, then ●	To select the Messages parameters.
⬍ to select **Storage Full Alert**	To select the Storage Full Alert parameter.
◀▶ to select **On** or **Off**	To turn Storage Full Alert to On or Off.

Chapter 10 – Using Voice Memo

Speech recognition is turned off during voice memo recording

The Voice Memo program allows you to record and play your own voice memos. It also allows you to see the list of currently stored voice memos and to select a voice memo for playback or deletion.

While you are recording a voice memo, Speech Recognition is turned off. When you stop recording, it will be re-enabled. If you push the PTT button during recording, this will stop the recording process, and re-enable speech recognition.

Recording voice memos

You can record a voice memo while in any program using the V MEMO button, or you may record a memo using the Voice Memo program.

Recording a voice memo from any program

V MEMO

Manual 🛑 (Stop your vehicle to do manual steps)	Comments
Press **V MEMO**, listen for the record tone (♪) then start talking	Use the V MEMO button while in any of the Auto PC programs to launch the Voice Memo program and start recording.
Press ● to stop recording	
Press ● to play back	Optional.

Recommendation Test Voice Memo recording using a firm speaking voice, then listen to play back. If play back is to loud or too soft, see Adjusting Microphone Gain near the end of this chapter.

NOTE: Do not turn off the ignition while recording a voice memo.

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To make it easy to hear your memo

You may mute the CD player and the radio when your record or play back a memo. It's your choice.

Mute on/off on record

Manual 🛑	Comments
Press **Start**, then ◄► to highlight **Voice Memo**, then ●	To highlight and select Setup.
Press **MENU**, then ♦ to highlight **Mute On Record**, then use ◄► to select **On** or **Off**	Turn Mute on Record on or off.

Mute on/off on play

Manual 🛑	Comments
Press **Start**, then ◄► to highlight **Voice Memo**, then ●	To highlight and select Setup.
Press **MENU**, then ♦ to highlight **Mute On Play**, then use ◄► to select **On** or **Off**	Turn Mute on Play on or off.

Record what you hear on radio or CD Player

You can use VMEMO to record a short portion of something playing on the radio or CD Player, and add your comments. To do this, set Mute On Record to Off, and follow the recording procedures in this chapter.

Recording a voice memo from Voice Memo program

Voice	Manual 🛑	Comments
Auto PC … *Voice Memo …*	Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To highlight and select the Voice Memo program, and enter it.
Record …	Press **V MEMO**	Listen for the record prompt tone then begin recording a memo.
	Press ● to stop recording	To end recording. You will hear a tone and also see the message *"Updating …"* that acknowledges receipt of your memo.

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	Voice	Manual 🛑	Comments
Opening and playing a memo	*Auto PC …* *Voice Memo …*	Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To select the Voice Memo program.
	Open …	Press **MENU** and ↕ to **OPEN**, then ●	Display reads: *"Building List …"* then the list of memos. Example: Vmemo1: 15 s/84kB (15 seconds requiring 84 thousand bytes).
	Read …		Reads the name/date/time of the first memo in the list of memos.
	Next … *Previous …*		The unit reads the next or previous message name.
		↕ to select a memo	Manually select next or previous message.
	Play	●	Plays the currently loaded memo.
Advance or rewind a memo		Press ◀▶ to advance or rewind a memo	

Sorting Voice Memos

Memos can be sorted by Date and by Name with the following results:

Sorting options	How memos are listed
Date and Ascending	Newest to oldest
Date and Descending	Oldest to newest
Name and Ascending	In alphabetical order
Name and Descending	In reverse alphabetical order

Sorting your memos

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To select the Voice Memo program.
Press **MENU** and ↕ to **OPEN**	The unit displays the list of memos.
Press ●	Enter the Open program.
Press MENU and ↕ to highlight the type of sort: **Sort by Name**, **Sort Ascending**	Note: the default sort settings are: **Sort by Date**, and **Sort Descending**.
Press ● to run the chosen sort	Reference the examples given above.

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Playing, pausing, stopping a memo

Voice	Manual 🛑	Comments
Play …	Press ●	Plays currently loaded memo.
Pause …	Press ●	Pauses playback, shows *"Pause"* in the display, leaves playback indicator where memo was paused. If you want to playback from the point paused, say "Play" or press ▶ .
Stop …	Press ● if paused	Used to stop playback and to set play-back indicator to beginning of memo.

Deleting voice memos

Deleting a voice memo

Voice	Manual 🛑	Comments
Auto PC … *Voice Memo …*	Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To select the Voice Memo program.
Delete …	Press **MENU** and ⬍ to **Delete** then ●	Initiates deletion of currently loaded voice memo. Note: A Locked memo will not be deleted.

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(Deleting a voice memo, continued.)

Voice	Manual 🛑	Comments
Yes … or *No …*	◀▶ to select **Yes** or **No** then ● to delete memo	Unit "asks" if you want to delete this memo. Either a voice or manual command can be used.

Deleting all voice memos

Voice	Manual 🛑	Comments
Auto PC … *Voice Memo …*	Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To select the Voice Memo program.
	Press **MENU** and ⬍ to **Delete All** then ●	Initiates deletion of all voice memos. Note: **The Delete All function deletes all memos except locked memos**.
Yes … or *No …*	◀▶ to select **Yes** or **No** then ● to delete memo	Unit "asks" if you want to delete all memos. You can respond with either a voice or manual command.

Deleting memos after selected time	**Manual** 🛑	**Comments**
	Press **MENU** and ↕ to **Auto Delete**	Select the Delete After function. You will see on the screen *"Auto Delete: Never."*
	↔ to choose from **Never**, **5 days**, **15 days** or **30 days**	This setting determines the length of time memos will be kept in the memo store. Memos will be automatically deleted after this period.

Locking a memo	**Manual** 🛑	**Comments**
	Press # or press **MENU** and ↕ to select **Lock**	Select the Lock function.
	Press ●	Lock the memo. The memo appears on screen with a "lock" icon.
Unlocking a memo	Press # or press **MENU** and ↕ to **Unlock**	Select the Unlock function.
	Press ●	Unlock the memo. The memo appears on screen without the "lock" icon.

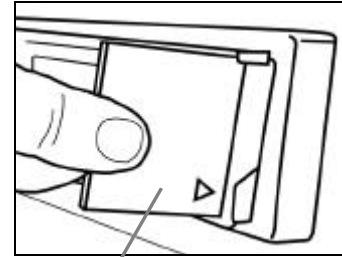| **Renaming a memo**	**Manual** 🛑	**Comments**
	Press **MENU** and ↕ to **Rename** then ●	Select the Rename function. You will see on the screen the current name. Press ↕ to enter the first letter of the new name then ◀▶ to move to the next spaces and enter the remaining letters to form the new name. (To cancel editing press **BACK**.)
	Press ●	Assigns the new name to the memo. The memo appears on screen with the new name.

Exporting a memo	**Manual** 🛑	**Comments**
	Press **MENU** and ↕ to **Export** then ●	Select the Export function. The display reads: "Export To Memory Card" and shows the current name of the memo and ".WAV" (a form of audio file). You can change the name or simply store the audio file on the Memory Card with its current name. If there is no Memory Card present, the screen will prompt you to insert a card and retry.

NOTE: The terms "Memory Card" and "CF Card" refer to the same thing.

Inserting the CF Card for export

The Clarion AutoPC System will accept CF Cards from most manufacturers. Warning: the CF Card can be inserted one way only. Be sure to insert the CF Card with the manufacturer's label and arrow **FACING RIGHT** of the unit as shown below.

Make sure label and arrow are facing right

Changing memo store size for Voice Memo

Manual ⏹	Comments
Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To highlight and select the Voice Memo program.
Press **MENU**	To select the MENU options.
⬍ to **Memo Store**	Select Memo Store.
Press ◀▶	To change the memo store size for Voice Memo.

Adjusting Microphone Gain

Manual ⏹	Comments
Press **Start**, then ◀▶ to highlight **Voice Memo**, then ●	To select the Voice Memo program.
Press **MENU** and ⬍ to **Microphone Gain**, and ◀▶ to change it	Adjust gain (record volume) from –10 (lowest) to 10 (highest). Note: Very high gain can distort sound, very low gain can make recorded messages hard to hear.
Press ●	Makes change take effect.

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Muting other audio sources	**Manual** 🛑	**Comments**
	Press **MENU** and ↕ to **Mute On Play**	Select the Mute On Play function. You will see on the screen *"Mute On Play: Off."*
	◆▶ to set **On** or **Off**	This setting determines whether other audio sources will be muted during Voice Memo playback. (Example: Radio.)

About Voice Memo	**Manual** 🛑	**Comments**
	Press **MENU** and ↕ to **About Voice Memo**	Select the About Voice Memo function.
	● to see data	Provides software version number and copyright information.
	BACK	To return to Voice Memo screen.

Chapter 11 – Customizing Your Auto PC

You can customize displays and add on new programs and hardware to meet your information and entertainment needs on the road.

Change the Display

Auto PC allows you to customize the screen for the way you use it. The order of the programs on the Start menu can be rearranged to put the programs you use the most first, where you can use the number keys for quick access. You can also change the contrast of the backlighting on the Auto PC screen.

To reorder the Start menu

Manual 🛑 (Stop your vehicle to do manual steps)	Comments
Press **Start**, then ◀▶	To select the program icon you want to move.
Press and hold number	On the number keys, press and hold the number where you want the program icon.
◀▶	To go to the rest. If you have more than 10 programs, you can have number shortcuts assigned to the programs you use the most up to 10 (0, 1 –9).

To change the display backlight

Manual 🛑	Comments
Press Start, then ◀▶ to highlight **Setup**, then ●	To access Setup program.
⬍ to select **Contrast** then ●	To select the Contrast parameters.
◀▶ to select **Level:** (-5 to +5)	To increase or decrease the contrast.

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Adjusting the Infrared transfer speed

If you are having problems transferring information to or from your Auto PC and another mobile device powered by Windows CE, try adjusting the Infrared transfer speed.

Manual 🛑	Comments
Press Start, then ◀▶ to highlight **Setup**, then ●	To access Setup program.
↕ to select **Infrared** then ●	To select the Infrared parameters.
◀▶ to select **Slow** or **Fast**	To increase or decrease the transfer speed.

Add or Change a Password

Use a password to protect your data. A password is up to 4 numbers and a custom command word. Password protection is enabled after the ignition is cycled off then on. Auto PC prompts you for a password the first time you enter protected programs (e.g. Address Book).

To add a password

Manual ⑤⑪	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To highlight and access Setup program.
⬍ to select **Password** then ●	To select Password parameter.
Press ●	To enter the Password edit screen.
Use the Keys to enter up to 4 numbers, then ●	Use the number keys on right side of DCP. The numbers will become your password.
Re-enter 4-digit password, then ●	Re-enter your password to confirm.
Press ●, then record **<custom command word>** three times	To record a voice password Display reads: *"Custom Command successfully recorded"* (for 5 seconds) and *"Password confirmed. Your password takes effect after restarting your vehicle"* (for 5 seconds).

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Backup is strongly recommended

It is strongly recommended that you backup your custom data just in case you forget your password. Cold reboot is the only alternative for establishing a new password if you have forgotten your password. Also, if your car battery fails or the unit's coin battery fails, the system will re-start in shipment status.

Areas protected by Password

1. Address Book
2. Remove Program
3. Backup/Restore
4. Custom Commands (Speech Commands)
5. Password (to change)
6. Voice Memo
7. Messages
8. Directions (from Address Book)

To clear a password

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To highlight and access Setup program.
↕ to select **Password** then ●	To select Password parameter. Display reads: *"Provide password: …"*
Enter current password (up to 4 numbers), then ● to highlight **Change Password**	Current password allows you access to clear current password or change to a new password.
● to select **Change Password**	To select Change Password parameter.
Press ● twice	After the first press ● the display reads: *"Confirm."* After the second press ● the display reads: "Password cleared" for 5 seconds.

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To change a password

Manual 🛑	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To highlight and access Setup program.
⬍ to select **Password** then ●	To select Password parameter. Display reads: *"Provide password: …"*
Enter current password, then ● to highlight **Change Password**	Current password allows you access to clear current password or change to a new password.
● to select **Change Password**	To enter the Password edit screen.
Use the Keys to enter up to 4 numbers, then ●	Use the number keys on right side of DCP. The numbers will become your password.
Re-enter your password, then ●	Re-enter your password to confirm.
Press ●, then record **<custom command word>** three times	To record a voice password. Display reads: *"Custom Command successfully recorded"* (for 5 seconds) and *"Password confirmed. Your password takes effect after restarting your vehicle"* (for 5 seconds).

ASSIST

The **ASSIST** function of the Clarion AutoPC system will provide you with many location-based services, including: emergency and roadside assistance, vehicle security monitoring and tracking, remote door unlock, as well as operator-assisted directions and points of interest services.

Optional services and interface options are required

ASSIST functions are optional services which require both the GPS Receiver and the Universal Serial Bus (USB) Cellular Telephone/Modem interface options.

Please ask your Clarion dealer for more details, and how to sign on to the additional services, or go to www.autopc.com.

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Changing Auto PC Sounds

Auto PC permits you to change how the computer voice sounds, as well as the beeps and other sounds the Auto PC makes.

Changing Computer Voice

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To select the Setup program.
↕ to find **Sounds** and ●	Select Sounds program.
● to enter **Computer Voice**	
Use ◀▶ to set Computer Voice **Volume** lower or higher	Left for lower volume, Right for higher volume.
Then ↕ to select **Pitch**, and ◀▶ to select lower or higher	Left for lower pitch, Right for higher pitch.
Then ↕ to select **Speed**, and ◀▶ to select slower or faster	Left for slower speaking, right for faster speaking.
Then ↕ to **Test Voice**, and ● to hear test message	Hear test message. Make further adjustments as needed or press BACK twice to return to Sounds program.

(Changing Auto PC sounds continued, additional adjustments)

Manual 🛑	Comments/Illustrations
Start menu key feedback (voice) on/off ⬍ to **Key Feedback** and ◀▶ to choose **Less** or **More**	Only applies to voice feedback for the Start menu. "Less" turns off the audio feedback. "More" leaves the audio feedback on.
⬍ to **Scheme: Auto PC**	Contains 14 parameters.
Key click sound on/off ● to select **Key Click**, and ◀▶ for **Loud**, **Soft** or **Off**	Most users prefer an audible key click.
Alert sound on/off ⬍ to **Alert** and ◀▶ to turn the Alert sound **On** or **Off**	An Alert sound may tell you that you have just received a message.
Press ● to hear the Alert sound	Helps you identify the Alert sound when you hear it later.
Button Hold sound on/off ⬍ to **Button Hold** and ◀▶ for **On** or **Off**, press ● to hear Button Hold sound	
Default sound on/off ⬍ to **Default** and ◀▶ for **On** or **Off**, press ● to hear Default sound	

Start menu key feedback (voice) on/off

Key click sound on/off

Alert sound on/off

Button Hold sound on/off

Default sound on/off

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(Changing Auto PC sounds continued, additional adjustments)

Manual 🛑	Comments/Illustrations
Exclamation sound on/off — ⬍ To **Exclamation** and ◄► for **On** or **Off**, press ● to hear Exclamation sound	
Infrared sounds on/off — ⬍ To **Infrared Begin** and ◄► for **On** or **Off**, press ● to hear Infrared Begin sound	
⬍ To **Infrared End** and ◄► for **On** or **Off**, press ● to hear Infrared End sound	
⬍ to **Infrared Interrupt** and ◄► for **On** or **Off**, press ● to hear Infrared Interrupt sound	
Message Box sound on/off — ⬍ to **Message Box** and ◄► for **On** or **Off**, press ● to hear Message Box sound	
⬍ **Question** and ◄► for **On** or **Off**, press ● to hear Question sound	
Speech sounds on/off — ⬍ to **Speech Active** and ◄► for **On** or **Off**, press ● to hear Speech Active sound	

(Changing Auto PC sounds continued, additional adjustments)

	Manual 🛑	Comments/Illustrations
Additional adjustments to sound	⬍ to **Speech Confirm** and ◀▶ for **On** or **Off**, press ⬤ to hear Speech Confirm sound	
	⬍ to **Speech Inactive** and ◀▶ for **On** or **Off**, press ⬤ to hear Speech Inactive sound	
Startup sound on/off	⬍ to **Startup** and ◀▶ for **On** or **Off**, press ⬤ to hear Startup sound	
	Press **BACK** to return to **Scheme: Auto PC**	
Speech feedback (voice) on/off	⬍ to **Speech Feedback** and ◀▶ to select **More** or **Less**	<u>More</u>: Auto PC's response to a wakeup word or PTT is the "awake tone" and the program name. <u>Less</u>: Auto PC's response is only the "awake tone."

Speech Command options

Auto PC "listens" and "speaks" to you. You can change the ways that Auto PC does this through the following Speech Command options:

Audio Mute
Controls how much the volume of any audio output (such as the radio playing) is lowered when Auto PC is listening for command words.

Train Auto PC to recognize your command words
Allows you to train Auto PC to recognize the way you pronounce command words, or you can add a custom command to do the function. For example, you can record and then use an alternative wakeup word to "Auto PC." The unit will then recognize two wakeup words, yours and "Auto PC."

Wakeup Word on/off
Controls whether the unit listens for the ⁊**Auto PC**⁊ (or other custom) wakeup word. If you set this option to **Off**, then you need to press the Push-to-Talk (PTT) button to wake up Auto PC.

Global Commands
Allows you to choose the command words that Auto PC is listening for all of the time. Examples of default Global Commands are: **Volume**, **What can I say**, and **Help**. Alternative commands to the default commands may be substituted from a specific list. Examples of alternative Global Commands are: **Audio**, **Mute**, and **End**. The complete list of default and alternative commands is given later in this chapter.

Can turn off global commands

Also, you may turn some command words off if you are not planning on using them. This narrows the number of words Auto PC is recognizing and may be helpful if the Auto PC isn't always understanding what you say.

Speech factors you can change

Auto PC will not listen during changes to speech commands

Auto PC will not "listen" for the wakeup word while you are engaged in making changes to speech commands. You can, however, press the PTT button get Auto PC to respond to voice commands.

Audio Mute

Controls how much the volume of any audio output (such as the radio playing) is lowered when Auto PC is listening for command words.

To change the audio mute level

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	To select the Setup program.
↕ to **Speech Commands**, then ●	Select Speech Commands program.
↕ to select **Audio Mute**	Controls how much the volume of any audio output (such as the radio) is lowered when Auto PC is listening for command words.
◀▶ to choose **Partial**, **Full** or **None**	

To train or add a custom command word

If Auto PC isn't recognizing you when you say a given command word, you can train Auto PC to understand the way you say a word. You can also add a custom command word to be used instead of the default command word. For example, you can add "Computer" as a wake-up word for Auto PC (which you then could use in addition to ⸎**Auto PC**⸎)

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
♦ to select **Speech Commands** and ●	Select the Speech Commands program.
♦ to select **Record New Command** and ●	Select the Record New Command program. Display shows *"Locate Command Word."*
●	Display shows *"Choose Custom Command"* and the directory of command words.
Use ◀▶ and ♦ to select command word to record, then press ●, press ● again to start recording	When prompted, say the custom command word three times after each prompt (♪♪), and wait for the "understood" beep (♪) after each repetition.

To disable or enable the Wakeup word

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
♦ to select **Speech Commands** and ●	Select the Speech Commands program.
♦ to select **Wakeup Word**, and ◀▶ to choose **On** or **Off**	Controls whether the unit listens for the ⟩**Auto PC**⟨ (or other custom) wakeup word. If you set this option to **Off**, then you need to press the PTT button to wake up Auto PC.

To change global command words	**Manual** 🛑	**Comments/Illustrations**
	Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
	↕ to select **Speech Commands** and ●	Select the Speech Commands program.
	↕ to select **Global Commands** and ●	Select the Global Commands program.
	↕ to select a current Global Command	There are 10 default Global Commands in the unit shipment state. They are listed below.
	◀▶ to select an Alternative Global Command word	There are 5 Alternative Global Command words in the unit shipment state, plus the "None." They are listed below.

You can select up to 10 Global Commands from a set of 15 commands.

Global Commands list (defaults)

Global Commands (defaults)		
1. What can I say?	2. What time is it?	3. Volume
4. Help	5. Radio	6. CD Player
7. Address Book	8. Directions	9. Messages
10. Voice Memo		

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Alternative Global Commands list

Alternative Global Commands		
1. Mute	2. End	3. Clock
4. Setup	5. Audio	6. None

Example: Changing Global Commands

Suppose you have no plans to use Volume, and also would like to substitute alternatives for Directions (Mute) and Messages (Clock).

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
↕ to select **Speech Commands** and ●	Select the Speech Commands program.
↕ to select **Global Commands** and ●	Select Global Commands program.
↕ to select **Volume** and ◀▶ to select **None**	Auto PC will no longer recognize Volume as a Global Command.
↕ to select **Directions** and ◀▶ to select **Mute**	You have chosen Mute as an alternative, and it will no longer appear as an alternative.
↕ to select **Messages** and ◀▶ to select **Clock**	You have chosen Clock as an alternative, and it will no longer appear as an alternative.

Changing Timeouts

A timeout is the length of time that Auto PC waits for input before returning to its previous state. You can set the timeouts for key presses, speech command wakeup, and menus.

To change a timeout

Manual 🛑	Comments/Illustrations
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
♦ to select **Timeouts** and ●	Select Timeouts program.
♦ to select **Hold keys for**, and ◀▶ to choose a time	Determines how long a key must be pressed and held to take effect. Example of use: press and hold a number key to set a radio preset.

Each timeout is explained on the following page.

Explanation of timeouts

Timeout Name	How long Auto PC waits (your choice)	Reason why Auto PC waits
Hold keys for:	**.5, 1, 1.5, 2, 2.5**	To activate the press-and-hold function on key presses.
Listen for:	**2, 5, 10, 15, 20,** or **Always** See NOTE below	For speech commands (after the last recognized speech command) before going back to "sleep."
Program menus:	**5, 10, 20, 30,** or **Always**	For input in a program's options menu before returning to the previous screen.
Start menu:	**5, 10, 20, 30,** or **Always**	For input in the Start menu before it returns to the previous screen

NOTE: When you say "Auto PC" or use PTT, Auto PC "listens" for speech commands and a green bar appears across the bottom of the display. The green bar gradually disappears as the listening timeout expires. A blue bar appears across the bottom of the display only when Auto PC is "talking." Neither the green bar nor the blue bar is displayed if the listening timeout is set to **Always**.

Chapter 12 – Backup/Restore

Caution: Do not turn off the ignition while doing Backup or Restore.

Use the Backup/Restore program to protect the data you have stored on your Auto PC. Backup/Restore protects all data customized by the user including the following:

- Radio presets

- Address book entries

- Auto PC settings (such as regional and wireless settings)

- Installed third-party programs

Using the CF Card for backup and restore

Inserting the CF Card

The Clarion AutoPC System will accept CF Cards from most manufacturers. Warning: the CF Card can be inserted one way only. Be sure to insert the CF Card with the manufacturer's label and arrow **FACING RIGHT** of the unit as shown below.
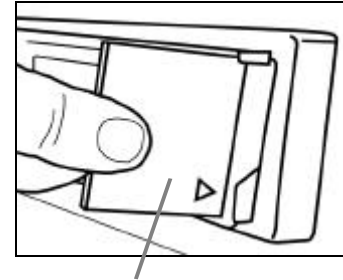
Make sure label and arrow are facing right

Additional recommendations

1. Back up important data regularly.

2. Back up the data before having maintenance or upgrades done on the system, including changing a Backup Battery.

3. Back up the data before changing the Coin Cell Battery.

4. Be sure that your customized files such as contacts and radio presets are the way you want them to be before doing a back up.

5. Be sure to protect the CF Card insertion slot with the cover when the slot is not being used.

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Backing up data

Manual 🛑 (Stop your vehicle to do manual steps)	Comments
Insert a CF Card into your Auto PC's CF Card slot	Make sure label and arrow are facing right.
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
▲▼ to **Backup/Restore**, then ●	Select the Backup/Restore program.
▲▼ to **Backup**, then ● to perform Backup	Note: If a CF Card has not been inserted you will see a warning: *"Insert PC Card to proceed."*
Record Date/Time on CF Card label	Manually record this information.

NOTE: Backing up important data on a CF Card is strongly recommended.

Restoring data

Manual 🛑	Comments
Insert the appropriate CF Card into your Auto PC's CF Card slot	Check date/time hand written on CF Card label before using.
Press **Start**, then ◀▶ to highlight **Setup**, then ●	Select the Setup program.
⬍ to **Backup/Restore**, then ●	Select the Backup/Restore program.
⬍ to **Restore**, then ● to see verification message	Auto PC asks for verification of manual command: *"Reboot and replace data on system?"*
◀▶ to select "Yes" or "No," then ●	Note: If you selected "Yes" and a CF Card has not been inserted you will see a warning message: *"Insert PC Card to proceed."*

NOTE: After doing restore, you will need to set the Date and Time.
(See the Getting Ready chapter for more information.)

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Chapter 13 – Adding/Removing Software and Hardware

Auto PC allows you to install new programs and hardware to utilize additional information and entertainment services while on the road.

Software automatically installed or removed

Auto PC provides automatic installation or removal of programs using either a CD or a CF Card.

USB assists automatic installation or removal

Hardware is also installed or removed automatically. For most external devices, Auto PC uses the Universal Serial Bus (USB) Controller to sense when these devices are attached or detached.

Caution: Do not drive or turn off the ignition while doing installation of programs using CD or CF Card.

To add a program

Insert the program's installation CD or CF Card into the Auto PC. Follow the instructions that the installation program displays.

Installed programs automatically appear at the end of the Start menu program list.

NOTE: The number of programs you can add may be limited by the amount of memory you have available in your Auto PC.

Manual ⑳ **(Stop your vehicle to do manual steps)**	Comments
Press **Start**, then ◀▶ to highlight **Setup**, then ● to see first Setup option	To select and enter the Setup program.
⬍ to **Remove Program**, then ●	
⬍ to select the program you want to remove	Unit will ask you to confirm the deletion.
Press ● to confirm the deletion	

To remove a program

Installing hardware options

Auto PC allows you to add new hardware, such as a cellular phone, CD changer, or GPS unit. Contact your dealer to have upgrades or maintenance done on your system.

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Chapter 14 – Tips and Troubleshooting

Tips

Command words

This section provides tips about saying command words, protecting your data, and many other suggestions.

Speak Command Words decisively

Auto PC "listens" when you are speaking words decisively, as in a command, and ignores words when you are talking normally, as in a conversation.

Use the following tips to say command words so that Auto PC understands.

Try one of these steps

- Say one command word at a time, and wait for the "listening tone." For an introduction to Auto PC's "listening tone" and other audible feedback, see the Using Speech Commands chapter.

- Speak from your normal driving position, the microphone is designed to understand commands at this distance.

- Be sure that the microphone has been installed on a flat surface such as the sun visor.

- If you've set a timeout for Auto PC to stop listening, be sure to say ⋛**Auto PC**⋚ to wake up Auto PC before giving commands, or use the Push-To-Talk (PTT) button

If Auto PC is still having problems understanding one or two command words, you may need to train Auto PC to understand the way you speak these words. For more information, locate "Train a custom command word" from the Index.

Protect important information

You may keep valuable data on your system, such as names and phone numbers of important contacts, credit card numbers, and confidential documents. Here are some ways to protect your important information.

Use a password

You can set a password that must be entered before you are allowed to access sensitive programs (like the Address Book). To set a password, go to **Setup** and choose **Password**. You can enter both a 4-number password and a custom command word. Choose a password that's easy to remember. If you forget it, you must perform a full reset to use your system again—which will erase all of your data.

Back up your data

You can create and maintain backup files that contain your system's program data. If, for example, your Main battery (car battery) and Auto PC Backup battery and Auto PC Coin Cell battery are drained and you lose your data, you can restore it from the backup file. For more information, see the Backup/Restore chapter.

| **Directions: route calculation** | If there is difficulty calculating a very complex route, try the following: |

- If you are using Local Roads, try using Fastest Route instead
- Try to split the route into two or more routes

| **GPS: areas where signal is weak** | You might not get a GPS signal in heavily built up urban areas, tunnels, or roads lined with tall trees. |

To obtain information on GPS follow these procedures:

Getting information on GPS	**Manual** 🛑	**Comment**
	Press Start, then ◀▶ to highlight **Setup**, then ●	Select Setup program.
	Use ▲▼ to highlight **GPS**, then ●	Display reads: "Finding GPS receiver …" One of two things happen now: 1. Six types of GPS data become available for viewing (see Types of GPS data below). 2. *"No GPS receiver detected!"* is displayed. Either this option is not installed or may be damaged.

Types of GPS data

Types of data with examples	Comment
Satellites: 5	Number of satellites, 0 – 8. At least 4 satellites are required for accurate GPS data.
Latitude: 33.654^o	Current location
Longitude: -117.746^o	Current location
Altitude: +50 Feet	Relative to system locale
Time: 3:45:11 PM	GPS "atomic" clock
DOP: 4.400	Dilution Of Precision relates to precision of known satellite position which influences communication error rate.

Entering Information using the Number Keys

Once you get more familiar with entering information into your Auto PC, you may find it faster to use the numeric Keypad. You can use the numeric Keypad to input or edit letters in the Radio and Address Book programs.   Press a number key repeatedly to cycle through the number and the letters according to the following chart.

1	2 A B C	3 D E F
4 G H I	5 J K L	6 M N O
7 P Q R S	8 T U V	9 W X Y Z
* (delete)	0 - ,	# (add space)

Example:

To enter a "B" using the number keys, press the "2" key three times.

Dialing contacts in Address Book	The cell phone dials only the numbers it gets from Address Book. If your cellular phone provider requires that you dial a 1 or area code to complete a call, you must enter numbers into Address Book in this format.
Cell phone cradle: changing	When changing your cell phone cradle, you should remove your old cell phone cradle (software) driver before installing the new one. To remove the driver, go to Remove Program in Setup.
Restoring data	After restoring data, you must reset the date and time. See the Getting Started Chapter.
Where to find more information	If you are unable to locate the information you need in this chapter, please consult the following sources of additional information.

1. Your most important contact for information related to the operations upgrades, and maintenance of your Auto PC is your Clarion Dealer.

2. The web site for the Clarion AutoPC system also contains valuable information: www.autopc.com

3. If you unable to get the information you need from your Dealer or the web site, contact Customer Service at 1-800-347-8667

Troubleshooting

If you encounter difficulties while using your system, look here.

Infrared transfer between Windows CE-based devices

How to avoid problems with infrared data transfer

If you are unable to use infrared to transfer information between Windows CE-based devices, try the following.

1. Transfer only one file, or no more than 25 contact cards, at a time.

2. Position the infrared ports so that they face each other (available range is ten degrees up, down, right, and left). Allowable distance apart ranges from a minimum of 2 inches to a maximum of 2 feet (60 centimeters). Make sure nothing is between the two infrared ports.

3. Different Handheld PCs and Palm-size PCs transfer data at different speeds. If they are, go to Setup, select Infrared, and change the speed of the IR transfer.

4. If you can receive data on the AutoPC but not transmit data, or vice versa, you may need to set the AutoPC to different IR transfer speeds for sending and receiving.

5. Adjust the interior lighting. Some types of light interfere with infrared communication. Try turning off some lights.

CAUTION: Do not remove the DCP or turn off the ignition while transferring data.

Avoid using data discs with CD changer

Data discs (examples: computer CD-ROMs or the Navigation data discs) should not be placed in the CD changer. If data discs are placed in the changer with no audio discs, the changer will continuously cycle between the data discs. To stop this cycling, remove the data discs.

How to reboot the System

Use reboot procedures in the following order:

1. Turn off the ACC power.

2. Remove the DCP.

3. If the system stops normal functions or cannot recognize peripherals, always try the Warm reboot first, as described on the next page.

4. If Warm reboot does not bring the system back to operational status, then try Cold reboot. **NOTE: This procedure will initialize all data to the shipment condition. To recover your customized data you will need to restore the backup data. See the Backup/Restore chapter for further information.**

5. **NOTE: Press switches gently, switches can be damaged by use of force.**

Reset Switch 1

CD eject button

Warm reboot

1. Warm reboot:

- Push Reset Switch 1 (near the CD eject button) with the tip of a ball-point pen or a similar object. **Note: All unsaved data in the open file will be erased.**

Cold reboot

2. Cold reboot:

- Push and hold Reset Switch 2 first with a thin wire and, simultaneously push Reset Switch 1 with the tip of a ball-point pen.

- Release Reset Switch 1 first, and after two seconds, release Reset Switch 2. **NOTE: This procedure will initialize all data to the shipment condition. Backing up the necessary data on a CF Card is strongly recommended.**

Reset Switch 2

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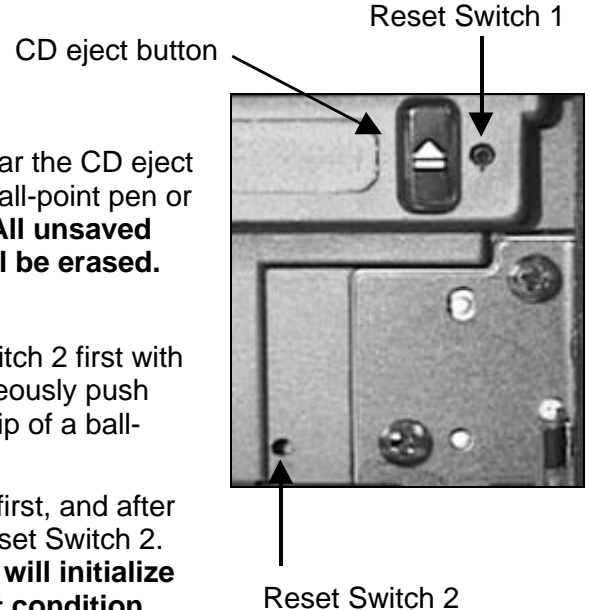
How to handle a Start menu alert in Setup

If an asterisk (⊛) appears within the Start menu Setup icon, here is how to isolate the problem.

Manual 🛑 (Stop your vehicle to do manual steps)	Comment
Press **Start**, then ◀▶ to highlight **Setup**, and press ●	Highlight the Setup program and enter it.
Press ♦ to scroll through the next level options until you see **Setup** ⊛ at the top of the screen, then press ●	Find the top level option with the problem.
Press ♦ to scroll through the options until you see ⊛	Find the lower level option with the problem.
Press ●	Based on what the status message(s) is telling you, take the appropriate action.

As an example, suppose the Coin Cell Battery is very low. Auto PC alerts you to this fact by placing an asterisk within the Setup icon in the Start menu. Here are the steps you would follow to troubleshoot the problem.

Coin Cell Battery life is approximately 200 hours (accumulated time that system is not supplied power from Main Battery)

Manual 🛑 (Stop your vehicle to do manual steps)	Comment
Press **Start**, then ◀▶ to highlight **Setup**, and press ●	Highlight the Setup program and enter it.
See **Setup** 🔆 in the first screen: **About Auto PC**, then press ●	Auto PC is the top level program with the problem.
Press ↕ to scroll through the options until you see **About Auto PC** 🔆 at the top of the screen and **Power**	Find the lower level option with the problem.
Press ●	The status message reads: *"Main Battery: Good Backup Battery: Good Coin Cell Battery: Very low."* Backup the data in your Auto PC and then replace the Coin Cell Battery.

Specifications

FM Tuner
Frequency Range: 87.9MHz to 107.9MHz
Usable Sensitivity: 11dBf
Alternate Channel Selectivity: 75dB
Stereo Separation (1kHz): 35dB
Frequency Response (+/-3dB): 30Hz to 15kHz

AM Tuner
Frequency Range: 530 kHz to 1710kHz
Usable Sensitivity: 28dBμ

CD Player
System: Compact disc digital audio system
Frequency Response: 10Hz to 20kHz(+/-1dB)
Signal to Noise Ratio: 95dB(1kHz)IHF-A
Dynamic Range: 85dB(1kHz)

Audio
Maximum Output: 40W x 4
Rated Output: 14Wx4 (20Hz to 20kHz, 1%, 4Ω)
Bass Control Action (50Hz): +/-12dB
Treble Control Action (10kHz): +/-12dB
Line Output (CD): 2V
Applicable Impedance: 4Ω(4 to 8Ω)

General   Power Supply Voltage: 14.4V DC(10.8V to 15.6V allowable),
                           Ground: negative
                           Current Consumption: Less than 10A
                           External Dimensions: (Source unit)

- 7"(width) x 2"(Height) x 6.1"(Depth)

- [178(W) x 50(H) x 156(D) mm]

External Dimensions: (Tuner Amp unit)

- 7"(width) x 1.4"(Height) x 8.5"(Depth)

- [178(W) x 36(H) x 215 (D) mm] (including battery)

Weight: (Source unit)

- 4 lb. (1.8kg)

Weight: (Tuner Amp unit)

- 2.4 lb. (1.1kg) (including battery)

Glossary

A

Address Book: The Auto PC program for managing contact (people) information.

Audio: The Auto PC program used to control the audio output settings.

ASSIST: This button on the Detachable Control Panel connects you to roadside assistance services. NOTE: Requires an optional service.

B

Backtract: The option in Auto PC Directions that reverses the route the user has driven.

Backup: We recommend you to safekeep the data on your Auto PC on a CF Card, and performing Backup from the Setup program.

C

Card view: The detailed information that Address Book displays for a particular entry.

CD Player: The Auto PC program used to play audio compact discs.

CE: Microsoft® Windows® CE 2.0 is the Operating System of Auto PC.

Cold Reboot: Returns your Auto PC to shipment state. WARNING: You will lose all information. Backing up your data on a CF Card is strongly recommended.

CF Card: Compact Flash Card can be inserted into the slot, and used in Backing up and Restoring data, as well as adding software.

Coin Cell Battery: The backup battery of Auto PC.

D

Detachable Control Panel (DCP): The "face plate" of the Clarion AutoPC system. Always store DCP in the case provided when detached from the unit.

Directions: This unique Auto PC program navigates you from point A to point B via speech synthesis, and clear, turn-by-turn instructions on the Auto PC display. NOTE: Requires the map data CD.

G

GPS: Global Position System utilizes a network of satellites, enabling you to pinpoint your position anywhere in the world. NOTE: Using GPS with Auto PC requires the optional GPS receiver.

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I

IrDA Port: Infrared port in the DCP for transferring data between your Auto PC and handheld devices.

M

Messages: This Auto PC program enables you to receive e-mail and have it read to you. You can also receive news, weather, and traffic updates by signing on to this additional service. NOTE: Requires the optional FM wireless receiver hardware.

P

Password: You may choose to protect the information stored in your Auto PC by activating a password in the Setup program. It can be a custom speech command or up to 4 numbers.

Preset: An AM or FM radio station chosen and set up by a user for quick access.

Push-to-Talk Button (PTT): You may use PTT to "wake up" your Auto PC to listen to your commands. Performs the same function as command "AutoPC"

S

Setup: This Auto PC program can be used to customize your Auto PC settings according to your personal preferences.

Speech Commands: Voice commands you can use to "drive" your Auto PC, such as "What Time it is?"

Start Menu: Displays the programs available on your Auto PC. Press Start button to access this menu.

U

USB: Universal Serial Bus provides an opportunity to connect third-party peripherals, such as cellular phone, to Auto PC.

V

Voice memo: This program allows you to record and play your own voice memos.

Voice Synthesis: Auto PC's ability to put words together into sentences and "speak" them to the listener (computer-generated speech).

W

Warm reboot: Should you need to reset Auto PC, carefully follow the procedures in the Tips and Troubleshooting chapter. NOTE: Warm reboot erases all information in any open program.

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