The Detection Angle is set to alert you when you are within so many degrees of the POI.

Select **Detection Angle**.

⊠

keypad to enter the
in which to set the
have finished, select

Use the numeric
number of degrees
alert. When you
OK.

Chapter 8: Navigation Options

State Information Center - Setting
Detection angle 90° (deg)
First warning at : 3280 Ft
Last warning at : 984 Ft
Save
Press ENTER or ARROW keys

The First Warning
is set to alert you when you are within a certain
number of feet
from the POI.

Detection angle
← 120_
1 2 3
4 5 6
7 8 9
ABC OK More 0

Select **First Warning**.

⊠

Use the numeric
number of feet in
When you have

keypad to enter the
which to alert you.
finished, select **OK**.

Chapter 8: Navigation Options

State Information Center - Setting
Detection angle 120° (deg)
First warning at : 3280 Ft
Last warning at : 984 Ft
Save
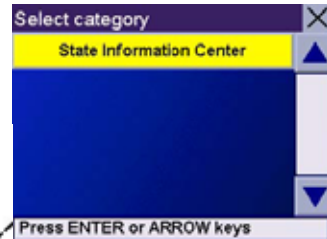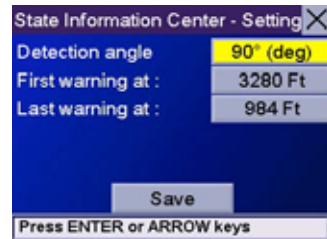Press ENTER or ARROW keys

The Last Warning
is set as a final alert when you are within a certain
number of feet
from the POI.
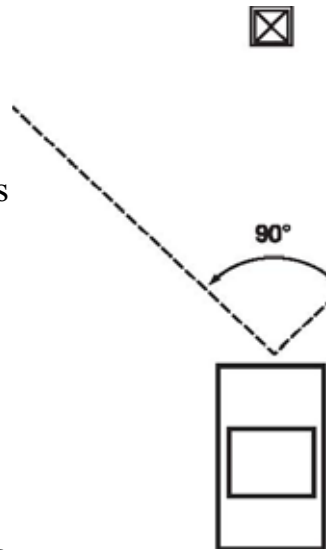
First warning at :
← 5280_
1 2 3
4 5 6
7 8 9
ABC OK More 0

Select **Last Warning**.
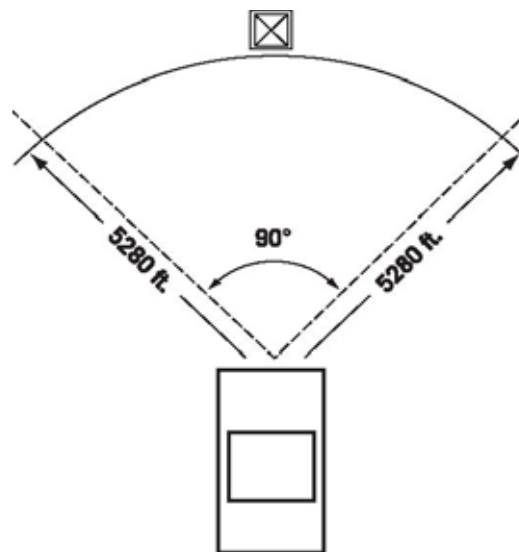
⊠

Use the numeric
number of feet in
When you have

keypad to enter the
which to alert you.
finished, select **OK**.

When you have

set the parameters as

you like, select **Save**.

Chapter 8: Navigation Options

8.1.3 Map Options

Map Options enable you to determine the behavior of the Map while you are driving.

Select **Map Options**.

With **Scrolling** enabled, the vehicle position icon will always remain in the same position with the map scrolling, or moving as while the vehicle is in motion. With **Scrolling** disabled, the vehicle position icon will move forward slightly; then, the map will scroll down. Having Scrolling disabled allows for a faster display.

Heading Up sets the map display so that the direction of travel is always at the top of the screen. **North Up** sets the map display so that North is always at the top of the screen. North Up is only available in 2D Map mode.

Select **Miles** or **Kilometers** as the unit of measure for distance.

When you have finished, select **Save**.

8.1.4 TrueView Options

TrueView options enable you to control how and when the TrueView screen is displayed. Select

TrueView Options.
Select Split TrueView to enable the TrueView/Map Screen mode. See "TrueView Screen" on
page 19.

Select Disable TrueView if you do not want the TrueView screen to appear during routing.
Select Manual TrueView to show the TrueView screen only by pressing the View key.
Select Auto TrueView to have the TrueView screen appear automatically when the next maneuver is approaching.
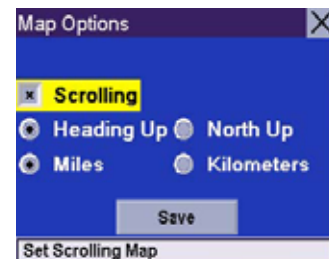When you have finished, select **Save.**
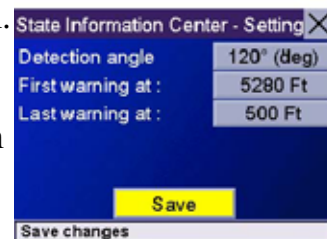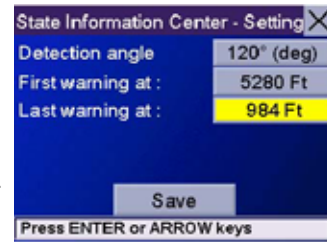
8.1.5 Select Map Color
Select **Select Map Color.**
With **Automatic Night Mode** enabled, the Magellan Maestro
4000/4040/4050 will switch between a Day screen and a Night screen
based on sunrise and sunset times for your current location.
Select **Day Screen** to choose a color scheme for the map while you are
driving during the
day.

Select **Night Screen** to select a color scheme for driving at night.
When you have finished, select **Save.**
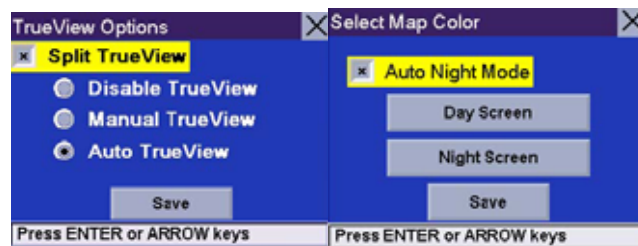
Chapter 8: Navigation Options

Select from nine available color schemes:

When you have finished, select **Save** and you will be returned to the Select
Map Color menu.

8.1.6 Route Preferences

Route Preferences enable you to set parameters for the Magellan Maestro 4000/4040/4050 to follow when calculating a route. Select **Route Preferences**.
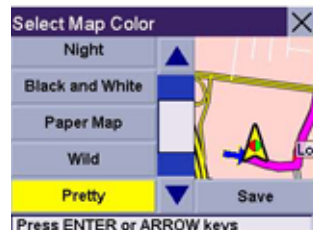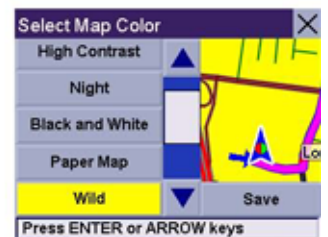
Automatic Re-Route will cause the Magellan Maestro 4000/4040/4050 to try up to three times to automatically re-route to the destination when it has detected that the vehicle has deterred from the calculated route.

When you have finished, select **Save**.

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8.1.7 Detour Options

The Magellan Maestro 4000/4040/4050 comes equipped with SmartDetour. If you are driving on the freeway with SmartDetour enabled and your speed drops below 15 MPH, you may press the detour icon on the Map screen in order for the Magellan Maestro 4000/4040/4050 to calculate an alternate route around traffic.

Select **Detour Options**.

Select the distance of the detour. You can select from a preset distance of three miles, five miles, or 10 miles.

You can also select a custom distance. Select **Custom**, and then select the button to the right to enter a custom distance.

Enter the number of miles and select **OK**.

Next, select the amount of time the Magellan Maestro 4000/4040/4050 will wait before alerting you. Select the **Time** button.

Enter the number of minutes and select **OK**.

Enable Automatic Detour is selected by default as shown by the checkbox mark. To disable automatic detour, deselect **Enable Automatic Detour**..

When you have finished, select **Save**.

Chapter 8: Navigation Options

When you encounter traffic, and the set time has elapsed, the Detour icon will flash on the Map

screen. Touch the icon on the screen to have the Magellan Maestro 4000/4040/4050 calculate the detour. You can choose to ignore the Detour alert; and after one minute it will stop flashing until the set time has elapsed again when it will alert you once more.
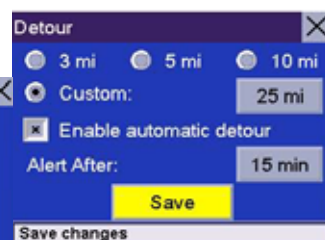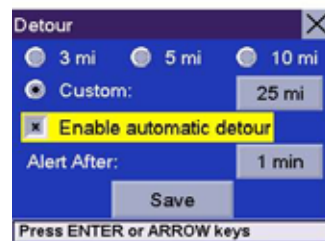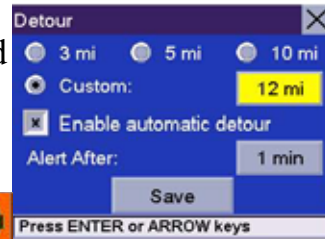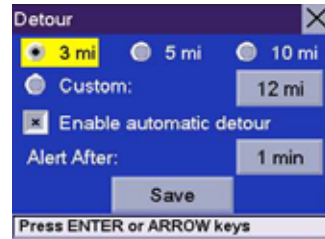
8.1.8 Menu Colors

You can change the color of the menu screens by selecting one of four color schemes.
Select **Menu Colors.**
Select the desired color scheme.
When you have finished, select **Save.**

8.1.9 Tone Options

As you approach a maneuver, an audible alert sounds to let you know to make the maneuver.
Select **Tone Options.**
Select either **Bell**, **Chime**, or **Beep.**
When you have finished, select **Save.**
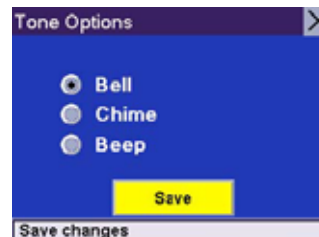
8.1.10 GPS Options

GPS Options provide you with information on the satellite signal as well as the ability to acquisition time.

speed up signal

8.1.10.1 GPS Status

The GPS Status screen is available by pressing the GPS Signal icon on the Map screen (see "Map Screen" on page 17) as well as through the GPS Options menu. GPS Status monitors the satellite signal. For more information on the GPS Status screens refer to "GPS Status Screen" on page 120.

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8.1.10.2 Set GPS Position

Set GPS Position enables you to manually set the location of the Current Position icon. If you have travelled a long distance with the Magellan Maestro 4000/4040/4050 off, it may take some time for the Magellan Maestro 4000/4040/4050 to reacquire a satellite signal. By manually setting the position of the Magellan Maestro 4000/4040/4050, you are telling the Magellan Maestro 4000/4040/4050 where you are and will speed up the satellite signal acquisition. Make sure you first select the country you are in by pressing the Globe button on the Destination screen (see "Country Selection (Globe Button)" on page 25). Select **Set GPS Position**.

Enter the first few characters of the city name (see "Inputting Text Characters" on page 13). Select **OK.** Use the Navigation key to scroll the list up or down (if necessary) and select the desired city.

Enter the street name (see "Help with Address Entry" on page 15). Select **OK**. Use the
Navigation key to scroll the list up or down (if necessary) and select the desired street.

Enter the street address. The acceptable range of numbers is displayed at the top of the screen. If you do not know the exact address, just select **Done** and the Magellan Maestro 4000/4040/4050 will use the lowest number in the range. Select **Done** to continue. You will be returned to the Configuration menu.

Go to the Map screen. Your current position is now set to the address you entered.

8.1.11 Simulator Mode

In Simulator Mode, you can demonstrate the capabilities of the Magellan Maestro 4000/4040/4050 without actually driving. In order for the simulation to work, you must set a route first. Select **Simulator Mode**.

Select **Simulate** to begin the simulation.

Set the speed variance of the simulation: x1 will "drive" at normal speed using known speed limits;
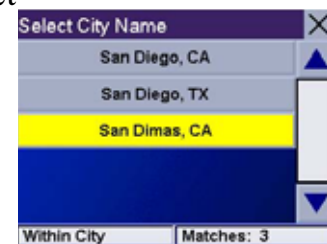
x1.5 will "drive" at one and a half times normal speed; x2 will "drive" at two times normal speed.

Return to the Map screen to view the simulation.

To disable Simulator Mode, select **Stop**, or when the power is turned off the Simulator will stop.
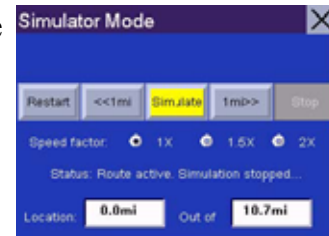
Chapter 8: Navigation Options

8.1.12 Automatic Volume

The Magellan Maestro 4000/4040/4050 can be set to automatically increase the volume when the vehicle exceeds 45 MPH in order
to compensate for road noise.
Select **Automatic Volume.**
Select the number increment by which to increase the volume.
Select **Enable.**
When you have finished, select **Save.**

8.1.13 Backup and Restore

The Magellan Maestro 4000/4040/4050 has the capability to back up your information (Address Book Previous Destinations, etc.) to an optional memory card.

8.1.13.1 Backup

Select **Backup and Restore** then, select **Backup**.

If you do not have a card inserted, you will be prompted to insert a card. Make sure the card is unlocked to allow data to be copied to it. Insert a card and reselect **Backup**.

A dialog box will appear asking you to confirm your selection. Select **Yes**.

The files are copied to the memory card.

8.1.13.2 Restore

To restore the files to the hard disk, select **Backup and Restore** then, select **Restore.**
If you do not have a card inserted, you will be prompted to insert a card. Insert a card and reselect **Restore.**

A dialog box will appear asking you to confirm your selection. Select **Yes**. The files are copied to the hard disk.

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8.1.14 Map Information

Product Information displays information about the map and database installed in your Magellan Maestro 4000/4040/4050. This information aids our Technical Support Representative in finding a solution to whatever problem you may have.

8.2 Trip Computer

The Trip Computer is a valuable tool for recording the mileage and time spent driving while on business or vacation. The information for the trip can be saved and viewed at any time, providing you easy access to information on your current trip, as well as previous trips.

To access these features, press the **MENU** key on the Magellan Maestro 4000/4040/4050 and select **Navigation Options**.

Select **Trip Computer**.

8.2.1 Current Trip

When you begin a new trip and you need to record the information, access the Trip Computer. There you can save the
information displayed for the current trip (if needed) and reset the Trip Computer to zero in preparation for your new trip.
Select **Trip Computer**
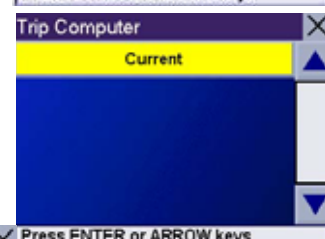Select **Current** from the list of saved Trip Reports.

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The Trip Computer is always in a "Running" state. The information for the current
trip is displayed.

8.2.1.1 Stopping or Starting   the Trip Computer

At any time the Trip Computer can be stopped and started. If the Trip Computer is currently running, select **Stop**. The Trip Computer will stop recording until restarted or reset.

While the Trip Computer is in a "Stopped" state, select **Start** to continue recording the current trip or select reset to begin a new trip.

8.2.1.2 Saving the Current Trip Report

When you have finished with your trip, you can save the information for later viewing. Select **Save** at any time.

Use the keypad to enter a name for the Trip Report and select **OK** when you are finished.

Options

8.2.1.3 Resetting the Trip Computer

Before starting a new trip that you want to record, you need to reset the Trip Computer first. Select Reset and the information will be set to zero. The Trip Computer will remain in a "Running" state.

8.2.1.4 Viewing a Saved Trip Report

From the Trip Computer screen, select the Trip Report you wish to view.

The saved Trip Report is displayed. Press the **ESCAPE** key when you are finished to view the trip and return to the Trip Computer screen.

8.2.1.5 Deleting a Trip Report

Select the Trip Report to be deleted.

Select **Delete**.
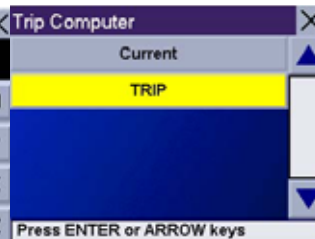
Chapter 8: Navigation Options

The trip is deleted and you are returned to the Trip Computer screen.
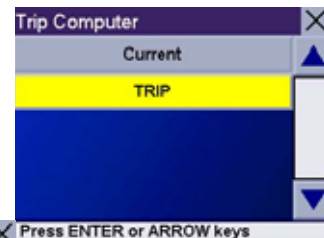
Chapter 9: Bluetooth

9.1 How to use the Dialer

9.1.1 Introduction

The Dialer program is a main part of Magellan Maestro 4000/4040/4050 that allows you to use it as a Hands-free device for a *Bluetooth* wireless-technology enabled mobile phone. You can tap your Magellan Maestro 4000/4040/4050 to place and receive calls instead of pressing the phone's keypads. It's a solution of wireless connection between the Magellan Maestro 4000/4040/4050 and the *Bluetooth* wireless-technology enabled mobile phone.

9.1.2 Main Interface

The main interface of BlueSoleil™ is as below:

9.1.3 Pair Mode

For the first time of use, no mobile phone paired or connected. The system will automatically switch "Pair Mode" to waiting for pairing action from your mobile phone.

9.1.3.1 The pairing window shall pop up, if it is not the first time of use,

you need to click

in the main interface.

Notes: The paring mode can be canceled
by clicking

in the paring window. Pairing will be
failed if the process cannot

be finished within 1 minute.

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9.1.3.2 Make paring process on your mobile phone. (See the user guide of
your mobile phone.)

Figure 3~3

9.1.3.3 After you input the
passkey in your mobile phone,
there shall be a passkey input
window pop up in your
Magellan Maestro. Then you
need to input the same numbers
as you input to your mobile
phone to this pop up window.

9.1.4 Establish Connection

There are two ways to establish connection with the *Bluetooth* wireless
technology enabled mobile phone.

9.1.4.1 Connect

Tap

in the main interface to search and connect your paired mobile phone.

Figure 3~4

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Note:

• The device searching mode can be canceled by clicking

in the connecting window.

• If your mobile phone doesn't support "Hands-free" service and just support the "Headset" service, you needn't connect. If you dial a number out from your mobile phone or incoming call the "Headset" service shall be connected automatically. The

main interface shall show up with a status message "xx connected, partial function supported only", and the button

and

shall be turned to grey as

.

9.1.4.2 The other way to connect
You can run the BlueSoleil™ program by tapping "*Bluetooth*" icon in the main interface.

Figure 3~5

Click

button to enter the "*Bluetooth* Manager" Window.

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Click

to explore the *Bluetooth* wireless technology enabled mobile phone.

Figure 3~7

Select a mobile phone, click

to see the services that the mobile phone provided.

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Figure 3~8

Select Hands-free Service, and Click

to make connection with the hands-free mobile phone. Then there shall be a passkey input window pop up in your mobile phone if you haven't paired your mobile phone with the Magellan Maestro before. You need input not more than 16 digital numbers you want to use as passkey to pair with the Magellan Maestro.

Figure 3~9

After you input the passkey in your mobile phone, there shall be a passkey input window pop up in your Magellan Maestro. You need to input the same numbers you have inputted in your mobile phone.

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Figure 3~10

Tap the

icon to back to the main interface once the connection has been established.

Figure 3~11

Note: If your mobile phone doesn't support "Hands-free" service and just support the "Headset" service, you just need choose your mobile phone in the device list (Figure 3~7), tap

(Figure 3~7) to pair with your mobile phone, and no need to connect. If you dial a number out from your mobile phone or an incoming call the "Headset" service shall be connected automatically. The main interface shall show up with a status message "xx connected, partial function supported only", and the button

and

shall be turned to grey as

.

9.1.5 Place a call

You can make calls out after "Hands-free" connected successfully.

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Four ways are available:

Place a call via Keypads

Place a call via Contacts

- Place a call via Call History

Place a call via Redial.

9.1.5.1 Place a call via Keypads

For place a call via keypads, you need to tap

in the main interface *(Figure 3~11).* Then the keypads window shall pop

up as below.

Figure 3~12

• You can input 13 characters: "0~9", " ＊ " and "#" with the buttons in the keypads. Input "+" by tapping the " ＊ " for about 1 second.

• You can tap to delete the phone number you have inputted. Tap the button for about 1 half seconds the entire row shall be deleted.

• Once you have inputted the phone number you want to dial out, you need to tap to dial out the call.

9.1.5.2 Place a call via Contacts
If you have stored your contacts' information in the "Contacts" *(Figure 2~1)*, you can place the call via "Contacts".
There are two ways to use the "Contacts" to place a call:

• Tap in the main interface *(Figure 3~11)*.

• Tap in the "Keypads" window *(Figure 3~12)*.

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Figure 3~13

- Use the "Alphabetical index" to find a contact.

Tap

and

to move up and down to find a contact.

• Choose a contact and tap

to call the contact.

Tap a contact, the detail phone information shall pop up as below:

Figure 3~14

• Choose the "Call Mobile", "Call Work" or the "Call Home", tap

![call]
![back]

to back to the forward window *(Figure 3~13),* and then you can choose a contact and tap

to call the contact.

9.1.5.3 Place a call via Call History

The "Call History" window displays the list of calls you have dialed out before, and is divided into 3 pages: Incoming / Outgoing / Missed. It will store the latest 20 calls of incoming call/Outgoing call/Missed call numbers. (Total: 60)

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There are two ways to use the "Call History" to place a call:

- Tap

|
|
|

in the main interface *(Figure 3~11).*

Tap

in the "Keypads" window *(Figure 3~12).*

Figure 3~15

- Tap

|
|
|

to check the history of incoming calls.

Tap

to check the history of outgoing calls.

Tap

to check the history of missed calls.

The records are stored as this format: *<Phone Number> or <Caller Name>*

<HH:MM> <AM/PM>, <MM/DD/YY>

<HH:MM:SS>

• • Tap

and

to move up and move down to find a record.

- Tap

to delete a record selected.

Tap

to delete all records in the page.

Tap

to save a caller's information to "Contacts".

Tap

to call back.

9.1.5.4 Place a call via Redial

You can redial the last phone number you have called or received by tapping

in the main interface *(Figure 3~11)*.

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Note: If there is no any call history, the button will be shown as

in the main interface *(Figure 3~11)*.

After tap

the dialing window shall pop up as below:

Figure 3~16

- Tap

to cancel the dialing.

Tap

to mute the waiting ring before
the call was received.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

and

to turn up and down the volume of waiting ring before the call was received.

• Tap

to set the window as minimum as an icon before other windows.

9.1.5.5 Dial Fail
If dial failed due to network trouble or other unknown reasons, the "Dialing
Failed" window shall pop up as below:

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Figure 3~17

- Tap

|

to redial.

Tap

to cancel dial.

9.1.5.6 Dial Success
If dial success, the "Connected" window shall pop up as below:

Figure 3~18

- Tap

to pop up keypads to input the extension after connected.

Tap

to transfer the call to your mobile phone.

Tap

to transfer the call back to your Magellan Maestro after you have transferred the call to your mobile phone.

Note: Some mobile phones don't support cycled transfer, so in this condition, you need to transfer the call back to your Magellan Maestro from your mobile phone if you have transferred the call to your mobile phone before.

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- Tap

to mute the microphone in your Magellan Maestro.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

and

to turn up and turn down the volume of the call.

- Tap

to hang up the call.

Tap

to set the window as minimum as an icon before other windows.

Note: If the mobile phone that has paired with the Magellan Maestro does not support the Hands-free service and only support the Headset service, when you make a call out from that mobile phone the connected window shall be displayed as below:

Figure 3~18(2)

- Tap

to mute the microphone in your Magellan Maestro.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

and

to turn up and turn down the volume of the call.

- Tap

to hang up the call.

Tap

to set the window as minimum as an icon before other windows.

9.1.6 Incoming call

When there is an incoming call, the "Incoming Call" window shall pop up as below:

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Figure 3~19

- Tap

|
|

to pick up the incoming call.

Tap

to mute the incoming call ring.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

to reject the incoming call.

Tap

and

to turn up and turn down the volume of incoming call ring.

• Tap

to set the window as minimum as an icon before other windows.

Note: If the mobile phone that has paired with the Magellan Maestro does not support the Hands-free service and only support the Headset service, the "Incoming Call" window shall be displayed different from the figure 3~19. It shall be displayed as below:

Figure 3~19(2)

• Tap

to pick up the incoming call.

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- Tap

to mute the incoming call ring.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

and

to turn up and turn down the volume of incoming call ring.

• Tap

to set the window as minimum as an icon before other windows. After tapping

, the "Connected" window shall pop up as below:

Figure 3~20

- Tap

to transfer the call to your mobile phone.

Tap

to transfer the call back to your Magellan Maestro after you have transferred the call to your mobile phone.

Note: Some mobile phones don't support to cycled transfer, in this condition, you need to transfer the call back to your Magellan Maestro from your mobile phone if you have transferred the call to your mobile phone before.

- Tap

to mute the microphone in your Magellan Maestro.

• After tapping the mute button, it will show as

, tap it to cancel mute.

Tap

and

to turn up and turn down the volume of the call.

- Tap

to hang up the call.

Tap

to set the window as minimum as an icon before other windows.

9.1.7 Exit

You can tap

in the main interface *(Figure 3~11)* to exit Dialer of BlueSoleil™. Actually it is still running in background.

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9.2 How to Transfer files via *Bluetooth* wireless technology

You can transfer files between your Magellan Maestro and the remote device via *Bluetooth* wireless technology. Such as downloading files from

the remote device with *Bluetooth* wireless technology and uploading files to that device.

Figure 4~1

9.2.1 Tap

to enter "*Bluetooth* Manager" window.

Figure 4~2

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9.2.2 There are two ways *(4.2.1 and 4.2.2)* to connect to the "*Bluetooth* File Transfer" service of a remote device:

Select a device in the device list and tap

to browse the service that the device provides *(Figure 4~2)*.

Figure 4~3

Tap the "*Bluetooth* File Transfer" to connect to the remote device, and then the "Passkey Request" window shall pop up as below:

Figure 4~4

9.2.2.1 Tap

in the "*Bluetooth* Manager" window *(Figure 4~2)*, the "Passkey Request" window shall pop up as *Figure 4~4*.

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Note: If other device with Bluetooth *wireless technology connects to the FTP service of your Magellan Maestro, an Authorization Requested window shall pop up as below:*

Figure 4~5

- Tap

to accept the connecting request.

Once you have checked the checkbox before "Always allow this device to access this service", this device should be able to connect to your Magellan Maestro without authorization in the next time.

Tap

to reject the connecting request.

9.2.3 Input the passkey you set that is not more than 16 digital numbers, and then the "Remote Device" window shall pop up as below:

Figure 4~6

Chapter 9: Bluetooth

- Tap

to view the share folders and share files in your Magellan Maestro. *(Figure 4~7)*

Choose a folder or a file, and tap

to download it to your Magellan Maestro. *(Figure 4~8)*

- Tap

to add a new folder to the remote device.

Tap

to open a folder, and tap

to go back after you have tapped

• Tap

to exit the file transfer.

Figure 4~7

- Tap

to view the share folders and share files in the remote device. *(Figure 4~5)*

Choose a folder or a file, and tap

to upload it to the remote device. *(Figure 4~9)*

- Tap

|
|
|

to add a new folder to your Magellan Maestro.

Tap

to open a folder, and tap

to back after you have tapped

• Tap

to exit the file transfer.

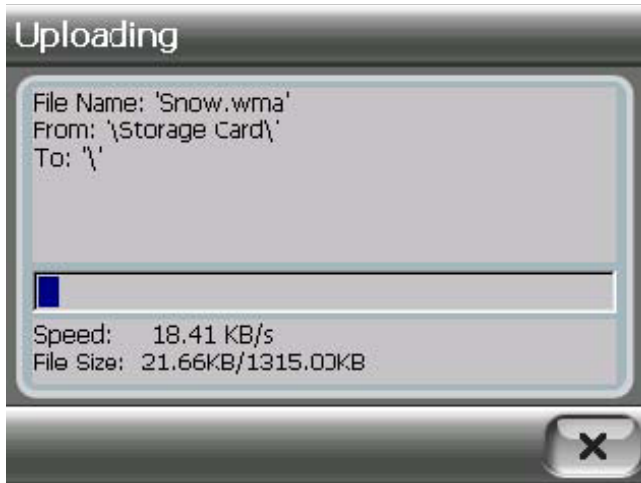# Chapter 9: Bluetooth

Figure 4~8

Figure 4~9

Note: You can tap

to cancel the file transferring.

9.3 How to use My Shortcuts

The connection you have connected to shall be stored in "My Shortcuts", you can delete the shortcut and can reconnect the device you have connected to by tapping the shortcut.

Chapter 9: Bluetooth

Figure 5~1

9.3.1 Tap

in the main interface *(Figure 5~1)* to enter "*Bluetooth* Manager" window.

Figure 5~2

9.3.2 Tap "My Shortcuts" to explore the shortcut stored in "My Shortcuts".

Chapter 9: Bluetooth

Figure 5~3

Note: If the connection is active, the color of the shortcut shall be green. Choose the shortcut and tap

to disconnect the

connection.

Figure 5~4

Chapter 9: Bluetooth

Figure 5~5

- Tap

to connect again.

Tap

to delete the shortcut.

Tap

to set the connection as the default connection.

Tap

to exit "My Shortcuts" window.

9.4 How to use Active Connections

The "Active Connections" shows the incoming connection. You can find the active connection in that window and disconnect the connection.

Figure 6~1

Chapter 9: Bluetooth

9.4.1 Tap

in the main interface *(Figure 6~1)* **to enter "***Bluetooth* **Manager"
window.**

Figure 6~2

9.4.2 Tap

in the main interface *(Figure 6~1)* **to enter "Active Connections" window.**

Figure 6~3

9.4.2.1 Choose a active connection, the

shall display *(Figure 6~4)*, and then you can tap this button to

disconnect the active connection.

Chapter 9: Bluetooth

Figure 6~4

9.5 How to use *Bluetooth* Settings

Figure 7~1

9.5.1 Tap

in the main interface *(Figure 7~1)* to enter "*Bluetooth* Manager" window.

Chapter 9: Bluetooth

Figure 7~2

9.5.2 Tap

to enter "*Bluetooth* Settings" window as below:

Figure 7~3

- Select the white box before "Other devices can discover me" so that other device can discover your Magellan Maestro.
- Select the white box before "Allow other devices to connect" so that other devices can connect to your Magellan Road-Mate.

9.5.3 Tap the name area, the "Device Name" change window shall pop up as below:

Chapter 9: Bluetooth

Figure 7~4

9.5.4 Input the new device name you want to change to, and tap

to verify or tap

![icon]to cancel.

9.5.5 Tap

![icon]

in the "*Bluetooth* Settings" *(Figure 7~3)* to set the share folder you want to use in *Bluetooth* file transfer.

Figure 7~5

9.5.6 The default share folder is "My Flash Disk". If you have inserted a memory card to your Magellan Maestro, there shall be a "Storage Card" directory in the directory list. Select the folder you want to

Chapter 9: Bluetooth

use in the *Bluetooth* file transfer, and tap the "Select" button to set the share folder or tap the "Cancel" button to cancel the share folder change.

9.5.7 After setting the share folder, it shall back to "*Bluetooth* Setting" window *(Figure 7~3)*, tap to save your settings and go back to "*Bluetooth* Manager" window *(Figure 7~2).*

9.6 How to Exit   ![icon]

If you want to power off *Bluetooth*, what you need to do is like these steps as shown below:

Figure 8~1

9.6.1 Tap

to power off the *Bluetooth* and go back the main interface.

Note: If your Magellan Maestro is connected to other devices via Bluetooth wireless technology *or other device connected to your Magellan Maestro via* Bluetooth wireless technology*, you need to disconnect the connection first; otherwise you could not power off the* Bluetooth.
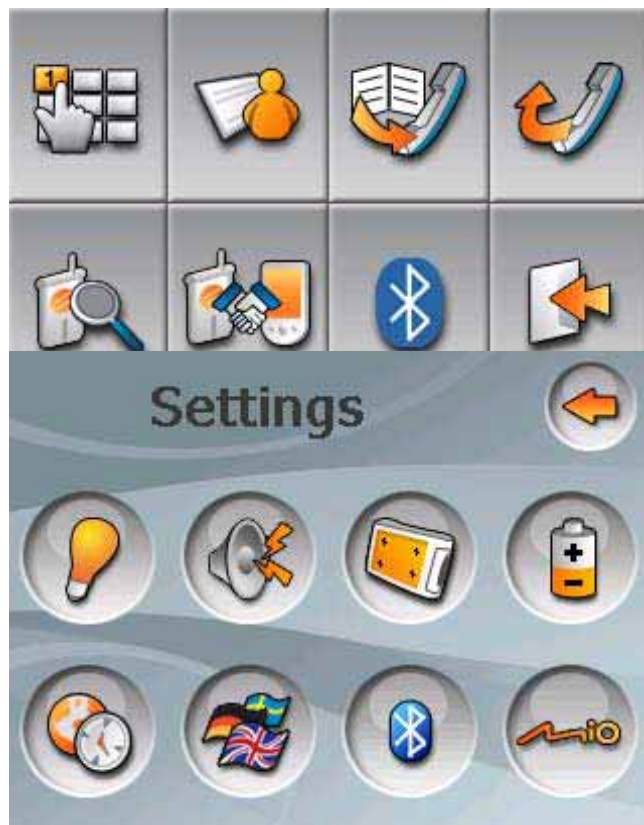
Chapter 9: Bluetooth

Figure 8~2

9.6.2 Tap

to exit the main interface and go back to the "Settings" window.

Figure 8~3

Chapter 10: System Settings

The System Settings Menu contains system wide customization features which

include: Brightness, Power Management, Password, and Language.

To access these features, press the **MENU** key on the Magellan Maestro 4000/4040/4050 and select **System Settings**.

10.1 Brightness

To change how light the screen appears, select **Brightness**.

Use the right arrow to make the screen appear lighter, and use the left arrow make the screen appear darker.

With On-battery dimming enabled, the screen will decrease in brightness by 20% to save some battery power.

When you have finished, select **OK** to confirm or select **ESC** to cancel changes.

10.2 Power Management

The Power Management features enable you to customize the features that will conserve battery power and display life. Select **Power Management.**
Select the time period to put the Magellan Maestro 4000/4040/4050 in "sleep" mode.
Select to enable or disable turning the screen off when music is being played.
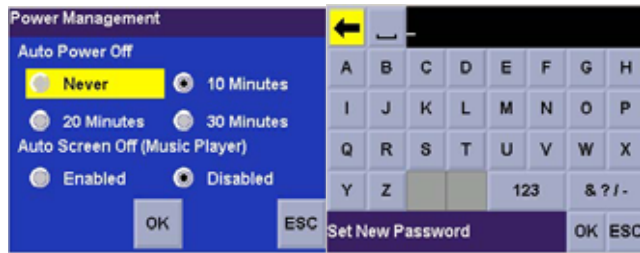When you have finished, select **OK** to confirm or select **ESC** to cancel changes.

10.3 Password

10.3.1 Set Password

You can protect the Magellan Maestro 4000/4040/4050 form unwanted use by enabling a password. Select **Password**.

Select **Set Password** to enter a password. Use the keypad to enter the desired password. When you have finished, select **OK**.

Re-enter the password to confirm. Use the keypad to re-enter the password exactly as you entered it the first time. When you have finished, select **OK**.

Select **OK** to activate the password. To return to the System Settings menu without setting the password, select **ESC**.

Once the password is enabled, you will be required to enter it when the Magellan Maestro 4000/4040/4050 is turned on or when it wakes up from "sleep" mode.

Chapter 10: System Settings

10.3.2 Change Password
Select **Change Password**. Use the keypad to enter the desired password. When you have finished, select **OK.**
Re-enter the password to confirm. Use the keypad to re-enter the password exactly as you entered it the first time. When you
have finished, select **OK.**
Select **OK** to activate the password. To return to the System Settings menu without setting the password, select **ESC.**

Once the password is enabled, you will be required to enter it when the Magellan Maestro 4000/4040/4050 is turned on or when it wakes up from "sleep" mode.

10.3.3 Delete Password

Select **Delete Password** and use the keyboard to enter the password.
A dialog box will apper asking you to confirm your selection. Select **Yes.**

10.4 Language

To change the language for the menu text and voice prompts for navigation, select **Language**.

Select the desired language. A dialog box will appear asking you to confirm your selection. Select **Yes**.

The Magellan Maestro 4000/4040/4050 will restart itself with the new language enabled.

Chapter 11: System Status

The System Status menu give you further options to check the performance of your Magellan Maestro 4000/4040/4050.

11.1 Product Information

Select Product Information to show the current application software versions. Also, the current hardware and firmware versions will be displayed.
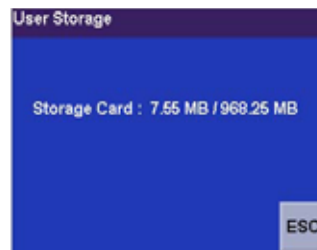
11.2 User Storage

Select **User Storage** to display the available space of the memory card if it is installed..

11.3 Diagnostics

Diagnostics enables you to test   key performance elements of the Magellan   Maestro 4000/4040/4050

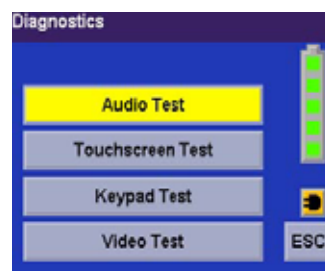## 11.3.1 Audio Test

The Audio Test will check the performance of the built-in speaker.

11.3.2 Touchscreen Test

The Touchscreen test will enable you to recalibrate the touchscreen should it not be tracking properly.

11.3.3 Keypad Test

The Keypad test will determine if the buttons on the Magellan Maestro 4000/4040/4050 are functioning.

11.3.4 Video Test

The Video test will test to determine if the screen is displaying colors properly.

Chapter 11: System Status

11.4 Contact Us

If you experience problems using your Magellan Maestro 4000/4040/4050, you can contact us at the numbers displayed.

Chapter 12: Magellan Maestro Tools Installation

The Magellan Maestro Tools application enables you to create custom POI's and load them onto your Magellan Maestro 4000/4040/4050. Additionally, you can load pictures and music onto an SD or MMC card (sold separately) to view or play anytime. See "Using Removable Memory Cards" on page 9.

12.1 Installing the Software

Insert the Magellan Maestro Tools PC Application CD into your PC's CD drive.

The setup application will begin automatically. If it does not, browse your computer's CD drive and double-click on the setup.exe file.

Select a default language for the Application.

The Welcome screen will appear to begin the installation process.

Choose a destination for the application. Select **Next** to use the default location, or select **Browse** to choose a custom destination. Next, choose a Program Folder to place the application icons.

The Magellan Maestro Tools software will be installed. After it has finished installing, a dialog box pertaining to Microsoft DIgital Signatures may appear, select **OK**

When it has finished, to can have the installer launch the application automatically, or deselect to exit without launching the application. Select **Finish**.
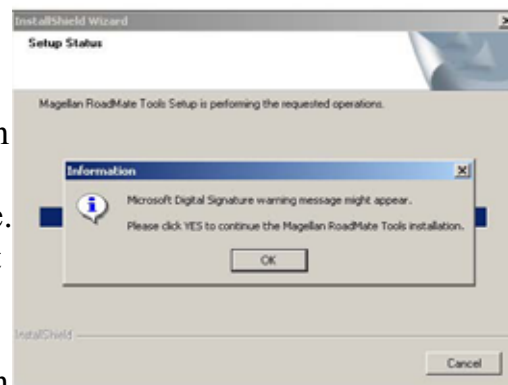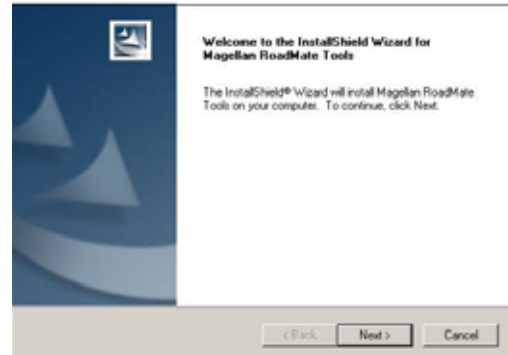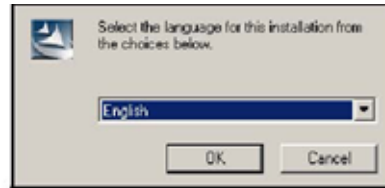
Chapter 13: Magellan Maestro Music Manager

The Magellan Maestro Music Manager enables you to transfer song files in MP3 or WMA format from your computer to an optional memory card (see "Using Removable Memory Cards" on page 9) installed in your Magellan Maestro 4000/4040/4050. The amount of music you can load depends on the size of the card.

Insert the memory card into the memory card slot as show on page 9. Turn on your Magellan Maestro 4000/4040/4050 by pressing and holding the Power button for approximately 2-3 seconds if in sleep mode. (Ten seconds if not in sleep mode. When the Warning screen appears, insert the small end of the USB cable into the USB port on your Magellan Maestro 4000/4040/4050 and the large end into an available USB port on your computer.

Launch the Magellan Maestro Tools application. From the Magellan Maestro Tools screen, click on **Music**.

The left side of the window shows the contents of your computer and the right side of the window shows the contents of the memory card installed in your Magellan Maestro 4000/4040/4050.

Locate the song files you wish to load. When you have selected a file, the **Transfer** arrow will turn green. Click on the **Transfer** arrow to copy the file(s) to the memory card.

In the same way, if you have loaded song files onto a memory card from another computer, you can copy the files from the memory card to your computer.

When you have finished copying files, remove the USB cable from the Magellan Maestro 4000/4040/4050.
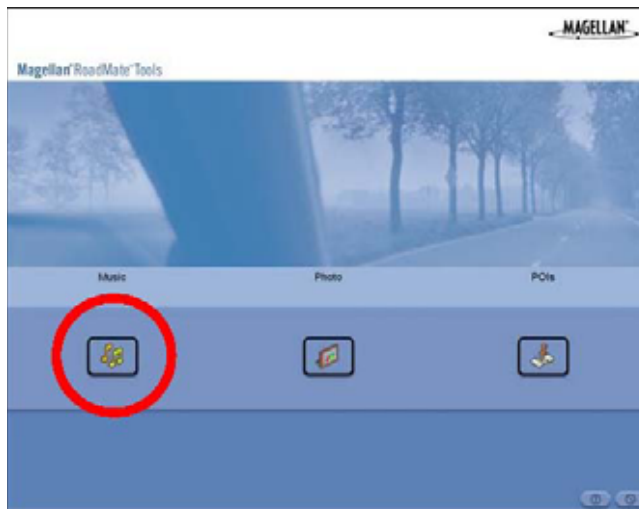
Chapter 14: Music Player

The Magellan Maestro 4000/4040/4050 Music Player enables you to play music files in MP3, or WMA format, stored on an optional memory card installed in your Magellan Maestro 4000/4040/4050. If you have not already done so, you must install the Magellan Maestro Tools application (page 102) and transfer files onto the card using the Magellan Maestro Music Manager (page 103). You can also use a memory card that has been preloaded from a card reader.
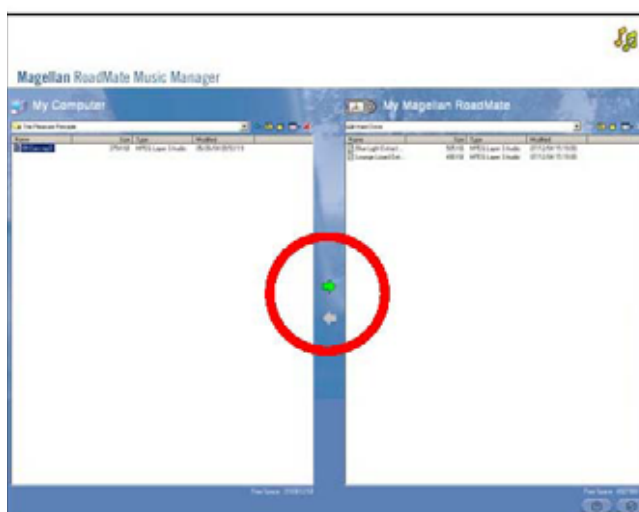
Press the **MENU** key on the Magellan Maestro 4000/4040/4050 (see page 5) and select the Music Player.

The Music Player control pad will appear.

14.1 Single Song Play

Select **Browse Music**

Use the Navigation key or the Down arrow

to select the song file you wish to play and

press **OK**.

The song will begin playing automatically.

At the top of the screen is displayed the name of the song, the artist (if available), the selected play mode, the elapsed time, and the song duration.

Press the **Play/Pause** button to suspend song play. To resume song play, press the **Play/Pause** button again.

Press the **Stop** button to stop song play. Once a song has been stopped, pressing the **Play/ Pause** button will start the song from the beginning.

14.2 Multiple Song Play

Multiple song play enables you to create a "playlist". A playlist consists of one or more songs in a group that can be played continuously.

Chapter 14: Music Player

Select **Playlist**

The Playlist menu will appear. To exit from the playlist menu, select **ESC**.

14.2.1 Play

To hear a previously created playlist, select **Play.**
Use the Up or Down arrow to select the desired playlist. Select **OK.**

The songs will begin playing automatically in order.

14.2.2 Create
To make a new playlist, select **Create.**
Use the backspace key (<-) to erase the default name; and the keypad to enter a new name for your playlist. When you have finished, select OK.
The next screen to appear shows the song files stored on the memory card on the left side, and the playlist on the right side.

Use the arrow buttons on the left side of the screen to highlight the Music folder and then, select **List Files.**
Use the arrow buttons to highlight the song files you wish to add to the playlist. Select **Add to Playlist** (right arrow) to add

the highlighted song to the playlist.
Continue adding files to the playlist. When you have finished, select **OK.**

14.2.3 Modify
Modify enables you to add or remove songs from the selected playlist.
Select **Modify.**
To remove a song from the playlist, use the arrow keys on the right side of the screen to highlight the desired song and then
select **Remove From Playlist** (left arrow).
Use the arrow buttons on the left side of the screen to highlight the song files you wish to add to the playlist. Select **Add to**

Playlist (right arrow) to add the highlighted song to the playlist.
Continue adding files to the playlist. When you have finished, select **OK.**

14.2.4 Delete
To remove a playlist, select **Delete.**

Select the playlist you wish to delete and select **OK.**
A dialog box will appear asking to confirm your selection. Select **Yes** to delete the playlist.

Chapter 14: Music Player

14.2.5 Rename
If you want to change the name of a playlist, select **Rename.**
Select the playlist you wish to rename and then, select **OK.**

Use the backspace key (<-) to erase the name; and the keypad to enter a new name for your playlist. When you have finished, select **OK**.

14.3 Play Mode

While in single song play, select **Play Mode** for song play options.

Repeat All - Repeats all the songs in the current playlist starting at the beginning of the order.
This function works only if there are two or more songs in the playlist.
Repeat - repeats the song that is currently playing.
Preview - Plays the first five seconds of each song in the current playlist.

Normal - Plays all songs in the current playlist in order.
Random - Plays the songs in the current playlist in random order.

14.4 List Songs

Select **List Songs** to view the current playlist.

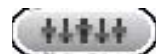
Chapter 14: Music Player

14.5 Equalizer

The Equalizer provides advanced sound options so you can customize the quality of the playback. The equalizer will only be available for MP3 format sound files. Select an equalizer preset from the following preconfigured options: Default (flat), Jazz, Classical, Rock, Techno, Dance Hall, Live, Full Bass, Full Treble, and Full Bass & Treble. You are not able to however, manually set the equalizer.

<div align="center">Select the Equalizer</div>

Select the equalizer preset by pressing the button at the top of the screen

When you are satisfied with your selection, select **OK**. To exit without setting the equalizer, select **ESC**.

14.6 Help

Select **Help**

for descriptions of the Music Player buttons.

Chapter 15: Magellan Maestro Photo Manager

The Magellan Maestro Photo Manager enables you to transfer image files in multiple formats from your computer to an optional memory card (see "Using Removable Memory Cards" on page 9) installed in your Magellan Maestro 4000/4040/4050. The number of images you can load depends on the size of the card. You can also use a memory card that has had images preloaded using a card reader.

Insert the memory card into the memory card slot as show on page 9. Turn on your Magellan Maestro 4000/4040/4050 by pressing and holding the Power button for approximately 2-3 seconds (Ten seconds if the Magellan Maestro 4000/4040/4050 is not in sleep mode.) When the Warning screen appears, insert the small end of the USB cable into the USB port on your Magellan Maestro 4000/4040/4050, and the large end into an available USB port on your computer.

Launch the Magellan Maestro Tools application. From the Magellan Maestro Tools screen, click on **Photo**.

The left side of the window shows the contents of your computer and the right side of the window shows the contents of the memory card installed in your Magellan Maestro 4000/4040/4050.

Locate the image files you wish to load. When you have selected a file, the **Transfer** arrow will turn green. Click on the **Transfer** arrow to copy the file(s) to the memory card.

In the same way, if you have loaded image files onto a memory card from another computer, you can copy the files from the card to your computer.

When you have finished copying files, remove the USB cable from the Magellan Maestro 4000/4040/4050.

Chapter 16: Photo Viewer

The Magellan Maestro Photo Viewer enables you to view image files in JPG and BMP format, stored on an optional
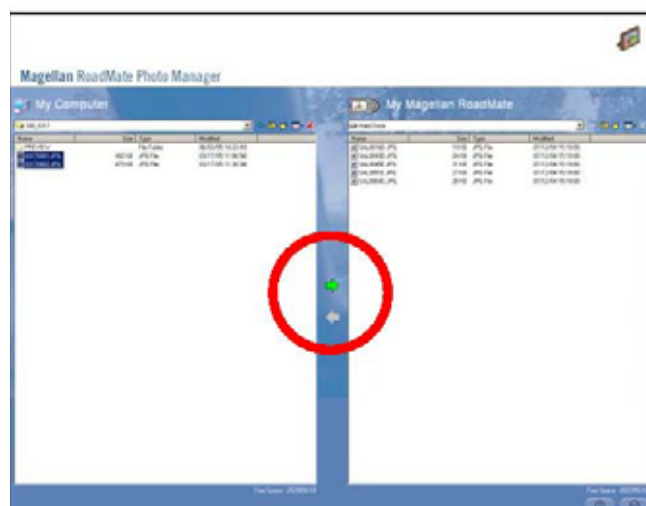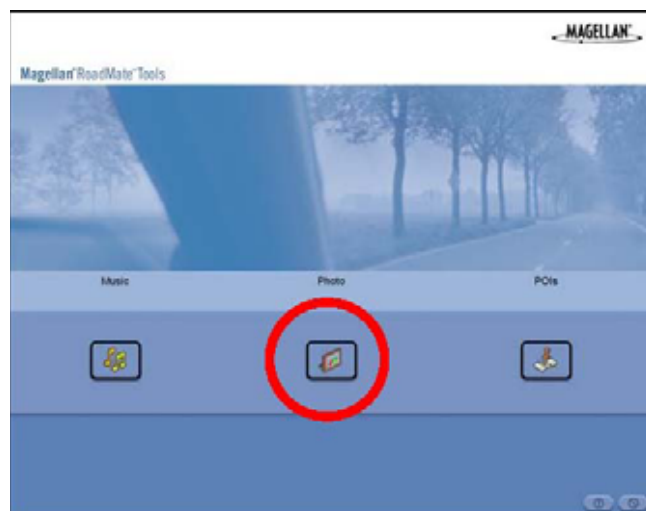
memory card installed in your Magellan Maestro 4000/4040/4050. If you have not already done so, you must install the Magellan Maestro Tools application (page 102) and transfer files onto the card using the Magellan Maestro Photo Manager (page 103).

Press the **MENU** key on the Magellan Maestro 4000/4040/4050 (see page 5). Select the **Photo Viewer**

The Photo Viewer screen will appear. The Photo viewer will show the contents of the SD or MMC card installed in your Magellan Maestro 4000/4040/4050..
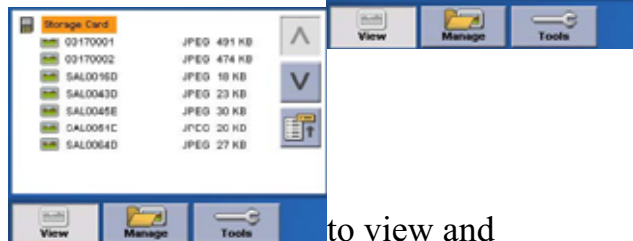
16.1 View Single Photo

The next screen to appear shows the file structure of the memory card. Select **List Files**

Use the Navigation key or the Down arrow

to highlight the photo you wish to view and

select **View**.

While viewing the image, double clicking on the image (that is tapping twice on the screen) will show the image in full screen. You can then cycle through the images by pressing left or right

on the Navigation key.

16.1.1 Previous Image (left arrow)

Press the right arrow button to view the previous image in the folder. This button is grayed out (not functional) when viewing the first image in the folder.

16.1.2 Zoom

Press the Zoom button to reduce or enlarge the current photo. The top of the zoom menu shows the current zoom level. Select another zoom level from the list of presets. Select Best Fit to adjust the zoom to fit within the display boundaries; select Actual Size to display the image at 100%; select 25% to 150% to reduce or enlarge the image to the preset level.

Chapter 16: Photo Viewer

16.1.3 Slideshow

Press the Slideshow button to cycle through all the photos in the Pictures folder automatically.

16.1.4 Pan

If you enlarge an image beyond the screen boundaries, press the Pan button to enable image scrolling. While enabled, you can drag the image in any direction to view other areas of the image. Press the Pan button again to disable Pan mode.

16.1.5 Rotate Image

Press the Rotate Image button to rotate the image 90° counterclockwise, 90° clockwise, or 180°.

16.1.6 Next Image (right arrow)

Press the right arrow button to view the next image in the folder. This button is grayed out (not functional) when viewing the last image in the folder.

16.1.7 ESC

Press **ESC** to return to the folder list.

16.2 Manage Photos

16.2.1 List View

Press List view to show the files in a hierarchal list view.

16.2.2 Thumbnail

Press Thumbnail to show the files as thumbnails.

16.2.3 Rename

To change the name of the selected file or folder, press Rename.

Use the backspace key (<-) to erase the name; and the keypad to enter a new name for your file. When you have finished, select OK.

Chapter 16: Photo Viewer

16.2.4 Properties

To view information on the selected file or folder, press **Properties**. A thumbnail of the image will be displayed along with the width and height in pixels, the size, and the format (image type). When viewing the properties for folders, width, height, and format are not shown. Size shown is the combined size of all images in the selected folder.

When you are finished viewing the properties, select **OK**.

16.3 Tools

16.3.1 Preferences

General – The General preferences, you can set the default file view to either thumbnail or file list view.

Slideshow – The slideshow preferences enable you to set the view properties, the sequence of photos, the transition between photos, and the duration between photos.

Background – The background preferences enable you to set the color of the background behind the photo being viewed.

16.3.2 Delete Files

Use the arrow keys to select the file or folder you wish to delete. Press the **Delete** button (trash can). A dialog box will appear asking to confirm your selection. Select **Yes** to delete the file.

16.3.3 About

This option will display the current version of the Photo Viewer software.

Chapter 17: Magellan Maestro POI Manager

The Magellan Maestro POI Manager enables you to transfer custom points of interest files from your computer to your Magellan Maestro 4000/4040/4050.

Before we add any custom POI's to the Magellan Maestro 4000/4040/4050, you should understand how the POI Manager plots POIs.

17.1 Latitude

90° (North Pole)

Latitude can be expressed by dividing Earth into horizontal segments totalling 180 degrees. Starting at the Equator, or zero degrees Latitude, lines (or Parallels) are drawn in 10-degree increments 90 degrees to the north and 90 degrees to the south. If your location is below the Equator,

30°

you are at a South Latitude.

20° 10° 0° 0° 10° 20° 30° 40°

17.2 Longitude

Conversely, longitude lines can be expressed by dividing Earth into vertical segments totalling 360 degrees. Starting at the Prime Meridian (which is The Royal Observatory in Greenwich, England), or zero degrees Longitude, lines are drawn in 10-degree increments 180 degrees to the West and 180 degrees to the East. If your location is on the western hemisphere, you
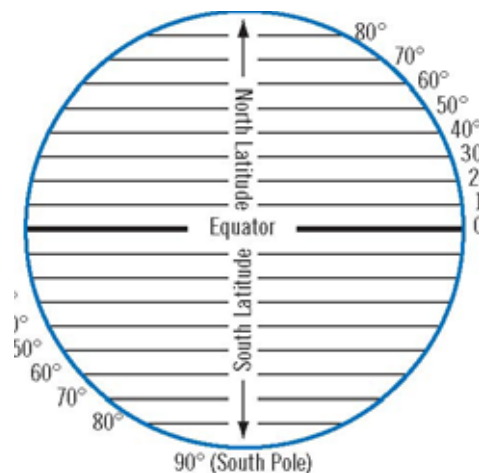
are at a West Longitude.

Additionally, to narrow down your location further, each 10-degree segment is divided into 60 smaller segments called minutes and, still further, each minute is divided into 60 segments called seconds.

To express this in coordinates, the city of Los Angeles is located at 34° (degrees) 03' (minutes) and 08 (seconds) North of the Equator, and 118° (degrees) 14' (minutes) and 42 (seconds)
West of the Prime Meridian.

Chapter 17: Magellan Maestro POI Manager

17.3 Altitude

Each location can also have an Altitude. Altitude is expressed by how far the point is above or below the level of the ocean, or 100' Above Sea Level. For example, Los Angeles, California is about 300 80' Above
feet above sea level. Death Valley, California is about 270 feet below sea level. 60' Above
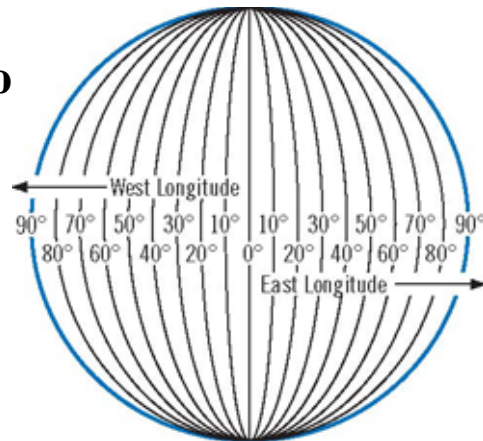
40' Above 20' Above Sea Level 0' 20' Below 40' Below 60' Below 80' Below

100' Below

Turn on your Magellan Maestro 4000/4040/4050 by pressing and holding the Power button for approximately 2-3 seconds, 10 seconds if not in sleep mode (see "Top View" on page 6). When the Warning screen appears, insert the small end of the USB cable into the USB port on your Magellan Maestro 4000/4040/4050, and the large end into an available USB port on your computer.
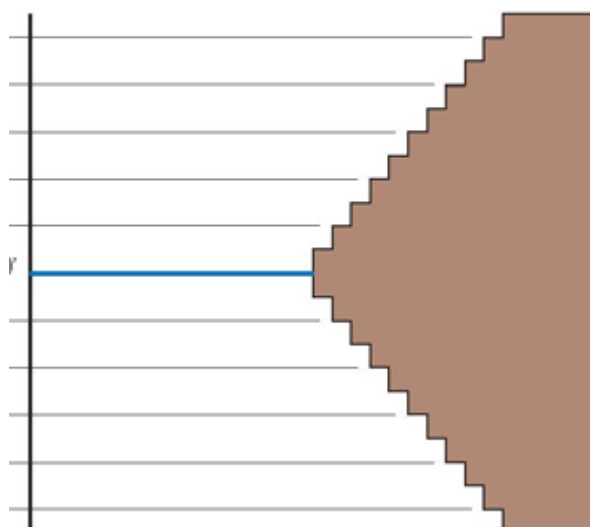
Launch the Magellan Maestro
Tools application. From the Magellan Maestro Tools screen, click on **POI**.

The left side of the window shows the contents of your computer and the right side of the window shows the contents of the Magellan Maestro 4000/4040/4050.

17.4 Opening a POI File

When you start the POI Manager the contents of your "My POI's" folder will be displayed. This is the default location for storing custom POI files.

Chapter 17: Magellan Maestro POI Manager

Locate the POI files you wish to load. When you have selected a file, the Copy To Unit arrow will turn green. Click on the arrow to copy the file to your Magellan Maestro 4000/4040/4050.
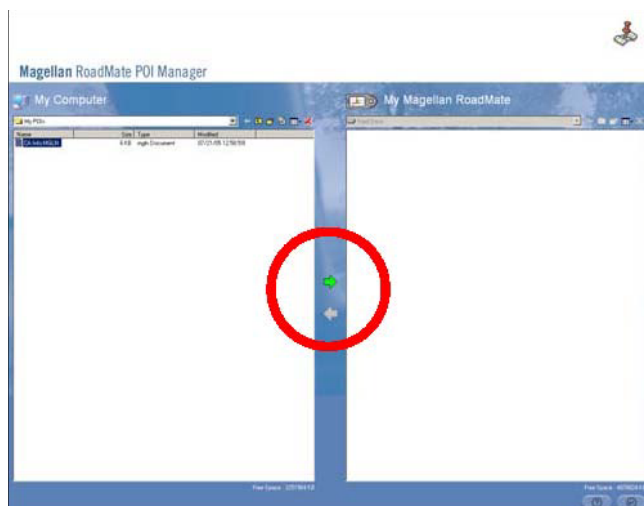

When you have finished copying files, remove the USB cable from the Magellan Maestro 4000/4040/4050.

17.5 Creating a New POI FIle

There are two ways to create a POI file. You can either add POI's individually, or you can import a character delimited file containing the information need to plot the POI's. To plot a POI, each item must have a name, longitude, and latitude. Longitude and latitude must be in decimal format.

17.6 Adding Individual POI's

Click on the **New POI File** Button to launch the POI Editor.
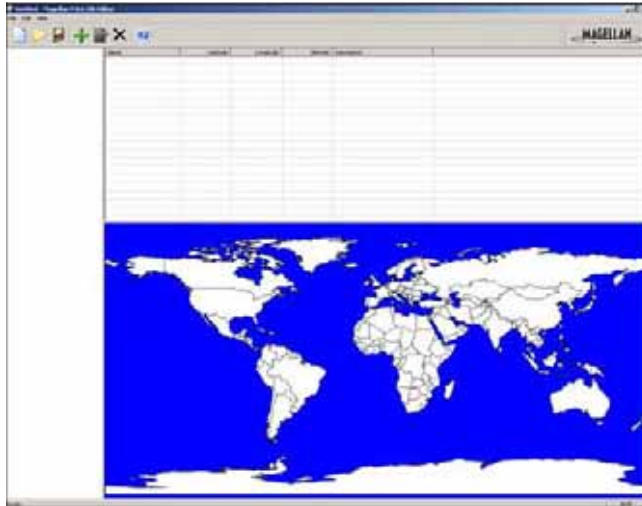

Click on the **Add** button

.

Enter the Name, the Latitude, and the Longitude. The Altitude and
Description fields are optional.

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Select the Category field and select **New**. A dialog box will appear to create a new POI category. Enter the Name and assign an Image (icon) for the POI. The Description field is optional.

The Alert feature is an audible alarm that lets you know when you are within a certain distance from the POI. You can set an initial reminder (Distance 1), a secondary reminder (Distance 2).
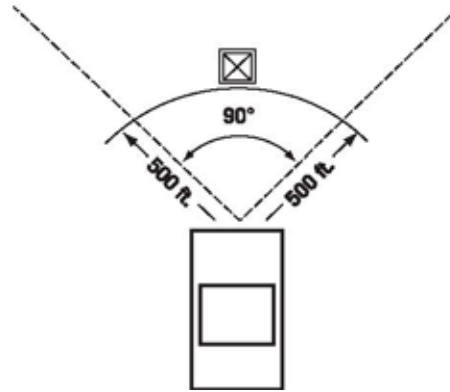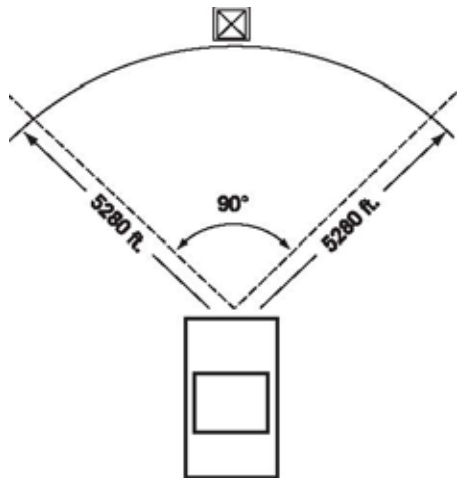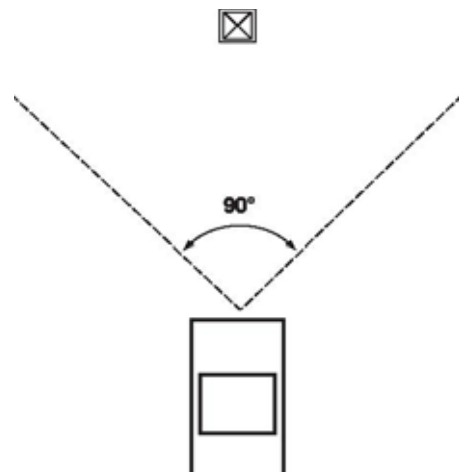
Distance 1 Distance 2

Select your preferred unit or measure (Meters or Feet).
The Detection angle sets the range of alert in degrees from the POI.

Select Activate alert for this category to
enable the alert settings. When you have
finished, select **OK**.

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17.7 Importing a Data FIle

The POI Manager software supports ASCII
file format (.ASC,.CSV,.TXT); GPS
Exchange file format (.GPS,.XML); Magellan Waypoint file format
(.WPT,.RTE); and Garmin PCX5 Waypoint file format (.WPT,.RTE).

Click on the **Open** button

Select the file you wish to import and click **Open**.

Start by choosing which line in the data file to start importing data. If your
data file has a header row, this row will generate
an error so you should start at line two or below.
Next, choose how the data is separated and click on **Next.**
You now need to define the data columns. Click on the pull down menu and
assign a field name to the appropriate column.

Click on **Finish.**

Click on The **Save POI file** button. Assign a name to your file and click on **Save.**

Close the POI File Editor. Select the POI file you just created and click on the transfer button (right arrow) to upload the file

to your Magellan Maestro 4000/4040/4050.

See page 55 for information on accessing custom POIs on your Magellan Maestro 4000/4040/4050.

Appendix

POI Categories

The Magellan Maestro 4000/4040/4050 POI database has 37 different categories. The icons will appear on the Map screen (if enabled):

	Restaurant	Fast food, diners, and food marts
	Bank/ATM	Most financial services
	Gas Station	Most fuel services
	Roadside Assistance	Towing companies
	Hospital/Polyclinic	Most medical services
	Vehicle Services	Repair shops, tire stores, and oil changes
	Airport	International and Municipal airports
	Camping & RV	Campgrounds, camping areas, and RV parks
	Car Rental	Car rental companies
	Casino	Gambling venues
	City Center	The geographical center of a selected city
	Clothing	Clothing retail stores
	Convention Center	Major Convention Centers
	Education	Schools, Colleges, and other learning institutions
	Emergency Services	Police, FIre, and Emergency Rooms
	Entertainment	Movie theaters, live performance venues

Golf Course	Private and public courses
Grocery Store	Major chains and local markets
Hair & Beauty	Salons and beauty parlors
Health Care	Doctors' offices and pharmacies
Home & Garden	Nurseries and do-it-yourself centers
Hotel or Motel	Most overnight stay locations
Marina	Docks and harbors
Misc. Services	Other services not categorized
Nightlife	Dance halls, pubs, nightclubs
Open Parking Area	Parking lots and garages

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Parks	County, regional, and local parks
Professional Services	Business office locations
Public Buildings	Libraries, museums, and government buildings
Rest Area	Rest stops along major highways
Shopping	Malls and other retail stores
Ski Resorts	Most major ski resorts
Sports & Recreation	Stadiums, parks, lakes
Tourist Attraction	Places most visited by tourists
Transportation	Bus and train stations
Winery	Vinyards and tasting locations
Worship	Churches, temples, mosques

When selecting restaurants, you can further narrow the search by cuisine type such as French, Italian, Greek, Mexican, etc.

Appendix

Specifications

DImensions: 3.8" x 4.8" x 1.4" 9.6cm x 12.2cm x 3.5cm Weight: 8.64 oz. 245 g Display: 3.5" color touch screen display, 2.11" x 2.81" (53.64mm x 71.52mm) Screen Resolution: 320 x 240 QVGA; 64,000 colors Accepted Card Media: Secure Digital (SD) or Multimedia Card (MMC) Audio: Integrated Speaker with integrated stereo headphone jack GPS Antenna: Integrated with optional external antenna connection Battery: 2100mA LI-ION USB Interface: 1.0 Operating Temperature: 32°F to 104°F 0°C to +40°C Storage Temperature: -4°F to 158°F -20°C to +70°C Humidity: 50% ± 20% ambient room

PC Requirements

- **IBM Compatible PC, Pentium or higher**
- **Microsoft ® WIndows® 2000 or XP**

    128 MB RAM

- **CD Drive for Software Installation**
- **DVD Drive for Map Upgrades**

    USB Port

Appendix

GPS Status Screen

GPS STATUS Screen Structure-first page

CH	PRN	AZ	EL	SNR	U/N
01	d1	d2	d3	d4	c1
02	d1	d2	d3	d4	c1
03	d1	d2	d3	d4	c1
04	d1	d2	d3	d4	c1
05	d1	d2	d3	d4	c1
06	d1	d2	d3	d4	c1
07	d1	d2	d3	d4	c1
08	d1	d2	d3	d4	c1
09	d1	d2	d3	d4	c1
10	d1	d2	d3	d4	c1
11	d1	d2	d3	d4	c1
12	d1	d2	d3	d4	c1

13	d1	d2	d3	d4	c1
14	d1	d2	d3	d4	c1

It is ordered by the channel number from 1 to 12.
Where:
d1: Satellite PRN number, with "e" or "E" to the right means got ephemeris data, "v" or "V" to the right means got verified

ephemeris data (double check). "E" or "V" also means got satellite time for this channel.

d2: Azimuth, in degrees

d3: Elevation angle, in degrees

d4: SNR (signal to noise ratio), it is ratio-Hz, not dB unit

c1: U – Used for position fix, U – Not used for position fix

Bad fix code

0 PVT_OK :good fix 2 ILLEGAL_ALT: illegal altitude < -10km or > 17.5km 4 POSITION_JUMP: too big position jump between two epoch (300 miles) 5 ILLEGAL_VELOCITY_OR_ALT: max velocity 951mile 7 TOO_BIG_ACCELERATION max 15m around 1.5g 8 TOO_SMALL_ALTITUDE -10000 m 9 TOO_BIG_ALTITUDE 17,500 m 10 TOO_BIG_PDOP max PDOP 50 11 SATS_BELOW_MASK_ANGLE satellite elevation angle is below mask angle 16 ILL_DEFINED_3D_MATRIX 3X3 matrix can not be inverted in 3D fix

Appendix

17 ILL_DEFINED_2D_MATRIX 2X2 matrix can not be inverted in 2D fix 20 NO_SAT_TIME no satellite time 23 NOT_ENOUGH_SATS no enough satellite for 2D or 3D fix 24 CANNOT_SELECT_FIX_TYPE 30 VELOCITY_2D_ONLY 2 satellite fix only for velocity, no position fix 31 BAD_VELOCITY_PDOP 50 too big pdop for velocity 32 TOO_MANY_SATS_FOR_2D_VEL there are 4 or more satellites, but 2D fix provided 51 WRONG_NUMSAT number of satellite for fix > 12 or less 2 56 LOOP_3D_NOT_CONVERGING 3D initial fix is not convergent 57 MILLISECOND_ERROR millisecond jump happened 58 LOOP_2D_NOT_CONVERGING 2Dinitial fix is not convergent 59 BAD_RANGE_CHITEST; range post-fix residuals chi-test failed 60 BAD_DOPPLER_CHITEST doppler post-fix residuals chi-test failed 61

OSC_DRIFT_ERR too much clock drift 60HZ for XO, 7.5HZ for TCXO 62 BAD_DOPPLER_ERR too big Doppler errors 4m/s 63 BIG_RANGE_RESID 110m/40m depend on virtual ttagl/ DGPS factors 64 BIG_DOPPLER_RESID 0.7m/s 65 HUGE_RANGE_RESID 10km normal for postfit residuals for range 66 HUGE_DOPPLER_RESID 100m/s normal for postfit residuals for doppler Usually, Bad code is 20 and 23. If fix is good, it would be 0.

GPS STATUS Screen Structure - second page

Heading XXX (degree) Speeding XX.X (meter per second)
Current Lat: DDD.DDDDD W/E (current latitude, degree)
Current Long: DDD.DDDDD N/S (current longitude, degree)
Current altitude XXXX (altitude in mean sea level meter) TTFF XXXXs (Time-To-First-Fix in second)
#Satellite (U/T) XX/XX (the number of satellite used and tracked)

PDOP XX.X   (Position Dilution Of Precision)

VDOP XX.X   (Vertical Dilution of Precision)

TDOP XX.X   (Time Dilution of Precision)

HDOP XX.X   (Horizontal Dilution of Precision)

FOMS P/V/H   (Figures Of Merits for position, velocity and heading in map matching)

UTC TIME MM/DD/YY HH:MM:SS(UTC time without local zone)

Appendix

Typical GPS STATUS Screen Display

First Page

CH	PRN	AZ	EL	SNR	U/N
01	**27V**	311	54	334	U
02	**03E**	078	29	135	U
03	**13e**	079	81	204	U
04	**20e**	175	06	90	N
05	**31v**	119	34	179	U
06	**01V**	120	53	316	U
07	**28V**	220	13	152	U
08	**08V**	282	29	182	U
09	**02V**	046	27	173	N

10	84	255	12	0	N
11	10	325	06	47	N
12	72	105	13	34	N
13	134	255	12	50	N
14	122	105	13	63	N

Second Page Heading 0 Speed 0.0 m/s Current Lat: 34.10939 N Current Long:117.82599 W GPS Version: Current altitude 255 TTFF 116s #Satellite (U/T) 11/12 PDOP 2.3 VDOP 1.7 TTFF 0.0 HDOP 1.3 FOMS P/V/H 2 UTC TIME 08/16/2004 22:56:53

Appendix

Frequently Asked Questions

Why is my street not showing up on the map?

The Magellan Maestro 4000/4040/4050 uses the most current available map data. Chances are, your street is in a new housing development or the street is new. Map updates may be made available once per year.

I know there is a gas station on this street corner, why is there not icon for it on the map?

Check your POI settings and make sure you have the necessary POI checked to make it visible on the map. See "POI Selection" on page 55.

The Magellan Maestro 4000/4040/4050 uses the latest POI data available. Chances are the POI you are looking for is relatively new and has not been added to the database. If this is not the case, it may have been overlooked or changed since the POI database was created. You can add custom POIs to your Magellan Maestro 4000/4040/4050 to make up for those you route to often. See "Chapter 17: Magellan Maestro POI Manager" on page 112., and "Custom POIs" on page 55.

The GPS signal is weak. What's going on?

You may be driving through an area that has tall buildings or trees, or a canyon, or a tunnel. These conditions may interfere with satellite signals. Wait a few moments and the signal should get better as more satellites are acquired. If the problem persists, there may be a problem with the antenna. Contact Technical Support.

Why is an address I know I routed to not in the Previous Destinations list?

The Previous Destinations list stores the last 50 places you routed to. When you get to number 51, the first destination on the list is removed and each successive destination is moved up.

Can I play MP3's and Route at the same time?

No

Can I import a play list from Windows Media Player?

No. The Music Player does not support playlists from other applications.

Can I use any third party SD/MMC card with the Magellan Maestro 4000/4040/4050

The Magellan Maestro 4000/4040/4050 is compatible with most major brands of SD/MMC card.