
Smart Mirror 2™

— User's Manual —



Register @ www.escortinc.com

TABLE OF CONTENTS

1. Chapter One: Product introduction	4
1.1 Introduction	4
1.2 What's Included	4
2. Chapter Two: Features & Specifications	5
2.1 Main Features	5
2.2 Specifications	6
3. Chapter Three: Installation	7
3.1 Device Controls & Features	7
3.2.1 How to Install	8
3.2.2 Use Bracket to Fix Navigator	9
3.3 SD/MMC Card	12
4. Chapter Four: Features & Functions	13
4.1 Main Menu	13
4.2 Navigation	16
4.3 Video Player	17
4.3.1 Features	17
4.3.2 Operation	17
4.4 Audio Player	20
4.4.1 Features	20
4.4.2 Operation	20
4.5 Photo viewer	23
4.5.1 Features	23
4.5.2 Operation	23
4.6 E-book Reader	26
4.6.1 Features	26
4.6.2 Operation	26
4.7 Games	30
4.8 Unit Conversion	31
4.9 Calculator	32
4.10 Volume	33
4.11 Backlight	34
4.12 Date & Time	35
4.13 Screen Calibration	36
4.14 FM Transmitter	38
4.15 System Information	39
4.16 Language	40
4.17 Navigation Path	41
4.18 System Restore	42
4.19 GPS Information	43
4.20 Bluetooth	44

Welcome to SmartMirror GPS. Please read this user's manual carefully to become familiar with all the operation details and to ensure you use your device as it was designed. Before getting started, please note the following:

- Specifications are subject to change without notice.
- Please make a copy of the important data.
- Please read the operating instruction carefully and use only accessories provided by the original manufacturer to avoid any unexpected damage. No warranty will be executed if you are not following the instructions or are connecting with incompatible accessories. We assume no responsibility for any loss or damage caused hereby.
- The electronic navigation data may be not in conformity with the actual road markings due to traffic construction development. Please be sure to comply with actual road conditions and follow the traffic rules.
- Operating and viewing the GPS while driving may cause a severe traffic accident. ESCORT is not responsible for any loss caused by an unexpected accident.
- Users can update and upgrade software by visiting www.escortinc.com.
- The screens shown in this guide may be different than the ones you see on your device, depending on the firmware version.

CHAPTER 1: PRODUCT INTRODUCTION

1.1 Introduction

Congratulations on your SmartMirror GPS purchase. Designed for navigation, SmartMirror also offers functions like video and audio play, Bluetooth hands free, FM transmission, photo viewing, and E-Book reading.

- High performance, low-power consumption MediaTek MT3351 CPU
- Comfortable user interface is simple and easy to operate
- Power management offers operating consistency you can rely on
- Excellent receiving signal offers an exceptional navigation experience
- Compatible with Bluetooth mobile for hands-free calling
- Audio and Video functions can help relieve fatigue
- You can use it when driving, walking, riding or waiting for a meeting. The perfect “GPS + entertainment” device, SmartMirror can make your life and work more enjoyable.

1.2 What’s Included

- Rearview mirror GPS navigator
- Wire rode
- User’s manual
- Car bracket (option)
- Amplifier box (option)

Please confirm the above items are included in your SmartMirror box. If anything is missing or any items are damaged, please contact ESCORT toll-free at 800.543.1608.

CHAPTER 2: FEATURES & SPECIFICATIONS

2.1 Main Features

- Operating system: Microsoft Windows CE 5.0
- 4.3" TFT LCD display with resolution of 480x272 pixels
- Built-in speaker, volume adjustable
- Button and touch-screen operation
- Built-in sensitive GPS antenna
- Navigation software runs directly from SD card
- Video formats supported: ASF, AVI, WMV, 3GP, MP4, FLV
- Audio formats supported: MP3, WAV
- Photo formats supported: BMP, JPG, PNG
- E-book formats supported: TXT

2.2 Specifications

CPU	Arm 11 484Mhz
Flash	4GB
Memory	128 MB
LCD display	4.3" TFT LCD display Resolution: 480RGB(H)x272(V)
Touch screen	High-accuracy, durable touch-screen
SD	SD/MMC slot Supports SD cards up to 8GB
Audio	A: Built-in high fidelity speaker B: Built-out high fidelity stereo amplifier box (option)
GPS	Cold start: <42s Hot start: <3s (in open area) Warm start: <36s
Operating System	Microsoft Windows CE 5.0
Navigation Software	SD card
Video Player	ASF, AVI, WMV, 3GP, MP4, FLV
Audio Player	MP3 and WMA
Photo Viewer	E-album; JPG, BMP, PNG
E-Book Reader	TXT
System Settings	Flash, Games, Favorites, Calculator, Unit Conversion, FM Transmitter, Language, Volume, Backlight, Settings Restore, Calibration, Navi Path, GPS Info, Date/Time, System Info, USB
Temperature	Operating Temperature: 0°C to 60°C Storage Temperature: -20°C to 60°C
Working Humidity Range	45% to 80% RH
Storage Humidity range	30% to 90% RH
Atmospheric pressure	86KPa to 106KPa

CHAPTER 3: INSTALLATION

3.1 Device Controls & Features



3.2.1 How to install

▲ WARNINGS ▲

Most vehicles have the mirror mounted directly onto the glass; therefore improper tools or techniques used in the installation could result in a damaged or broken windshield.

It is strongly recommend that installation be performed by a qualified technician.

1) Remove the existing mirror. (Note: All vehicles use different mounting solutions. If necessary, consult your local automotive dealer or installation professional for specific instructions.)



2) Attach the vehicle-specific mount to the back of the mirror using the supplied screws.

3) Attach the assembled mirror to the vehicle mirror mounting tab and secure.

4) Route the mirror cable along the headliner and down the pillar, and connect to the receiving end of the Control Module cable.

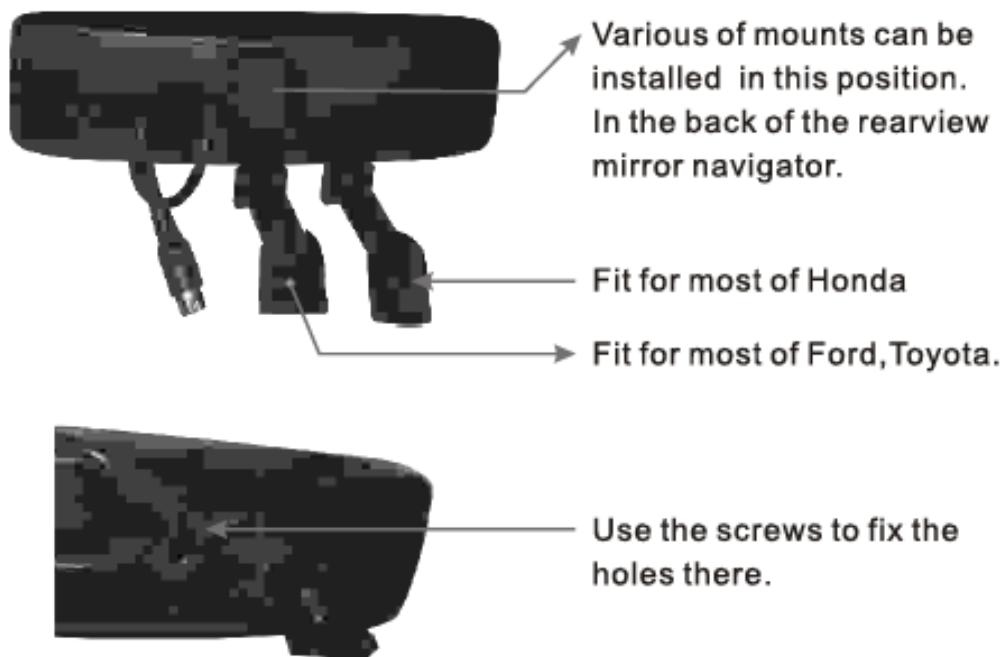
5) Connect the three power leads:

Yellow- Constant 12V+ source

Red- Ignition controlled ACC 12V+ source.

Black- (-) Ground (Connecting to car chassis works best)

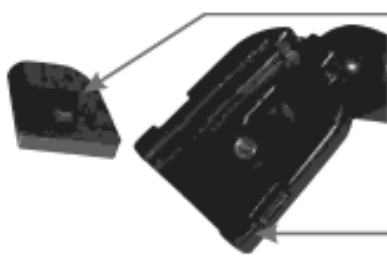
Note: There is no need to connect the brake cable to enable switching the mirror into camera mode.



3.2.2 Use bracket to fix navigator



【Note】 When use Rearview mirror GPS in the car, you should fix the device to the original iron base on the windshield by using the bracket

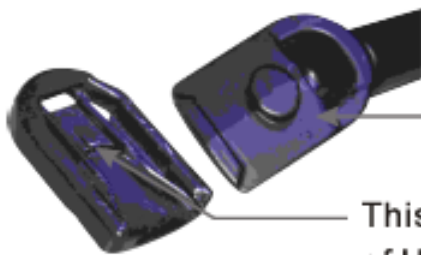


There is an iron like this, on all original car's windshield. the base is fixed to the rearview mirror .

This mount fit for most of Ford, Toyota, GM, Nissan



Tighten the screws, ensure the installation is finished completely.



Honda Mount

This adapter will show you on the windshield of Honda



The installation is completely finished

After-Market Mount Install

We have various mounts to choose from. If there is none to match your car, please contact us toll-free at 800.543.1608.



Original Equipment Manufacturer Market Mount Install



The information is for reference only. This product is updated regularly without prior notice.

3.3 SD/MMC card

The enclosed SD/MMC card contains the navigation software, map data and media file. Please insert the card correctly. If you insert the card improperly, you can damage the card.

Do not take out the SD/MMC card when the system is navigating or playing. To remove, press the card inward slightly. The card will pop out enough for you to remove it from the slot. Please keep card away from children, so it is not swallowed.

NOTE:


1. Don't stress or bend the SD/MMC card.
2. Avoid high temperature or high humidity when using and storing the card.
3. Don't expose card to direct sunlight.
4. Keep card far away from liquid and corrosive material.

CHAPTER 4: FEATURES & FUNCTIONS

4.1 Main Menu



Fig. 4-1

Tap  in the top left corner of the main menu to display the date (Figure 4-2).

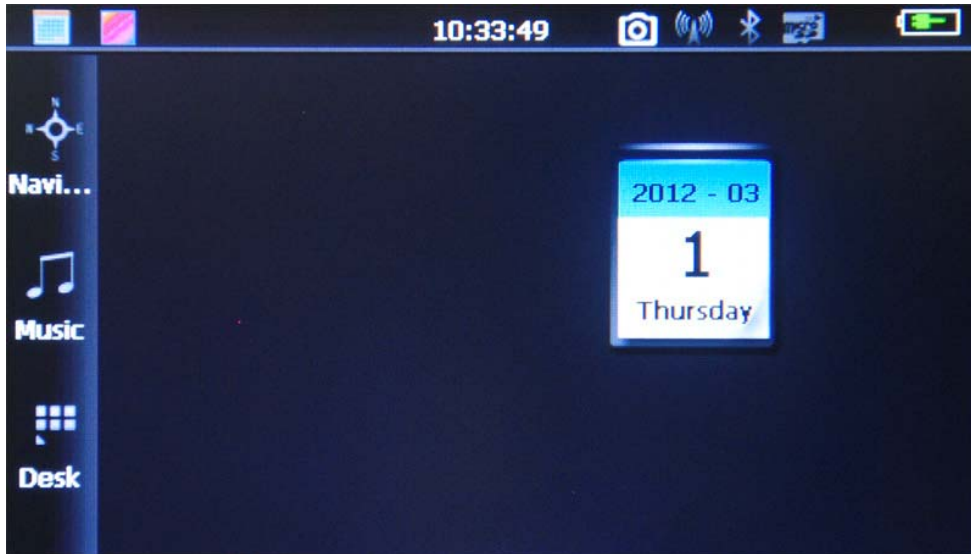



Fig. 4-2

Tap  to enter the calendar interface (Figure 4-3).

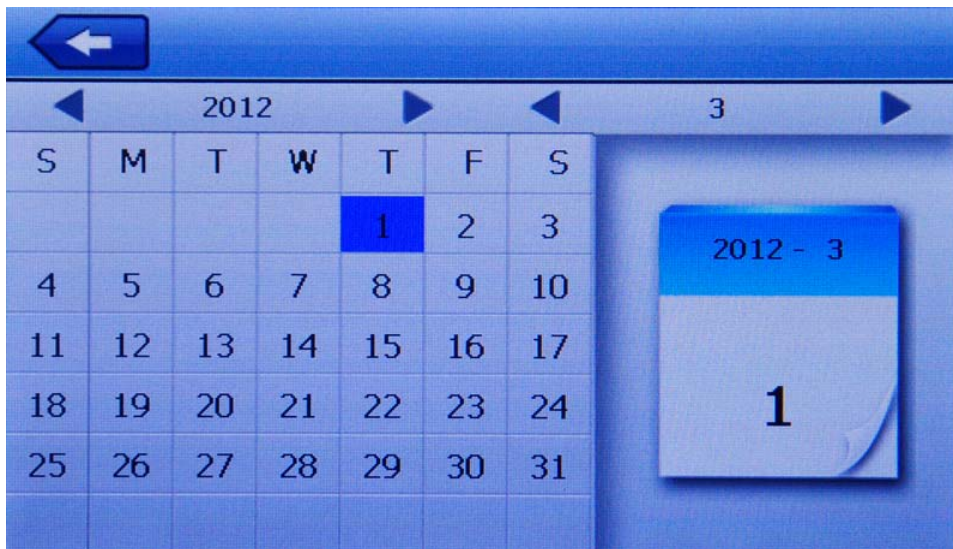


Fig. 4-3


Tap  in the top left corner of the main menu to change the display background (Figure 4-4).



Fig. 4-4



Tap **Navi** in the left sidebar for a shortcut to the navigation interface.



Tap **Music** in the left sidebar for a shortcut to the audio player.



Tap **Desk** in the left sidebar for a shortcut to the desktop application.

4.2 Navigation


This chapter introduces the navigation function.

The system offers several options to customize the navigation experience to your preferences, including map with vivid animation, voice indication and text indication. The GPS navigator can determine your position, calculate the best route to your destination, and help you arrive safely and rapidly.

Before using the navigation function, ensure you have inserted the SD card with the navigation software and set the Navi Path.

To set the Navi Path, first tap  **Navi Path**, then tap . Navigate through the file folders, tapping each, until you find your GPS software file: SDMMC\COPILOT\COPILOT.EXE. Tap the file to select it, then tap **OK**. Tap  to exit the Navi Path interface.

Once the Navi Path is set, you can begin using the navigation software.

Tap  **Navigation** to open the navigation interface. Specific navigation functions depend upon your choice of navigation software. Please refer to your navigation software instructions for details.

4.3 Video Player

This chapter introduces how to use the video player.

4.3.1 Features

- Supports ASF, AVI, WMV, 3GP, MP4 and FLV file formats.
- Supports full-screen playing and play progress selection.
- Before using the video player, please copy your video files to a folder on the device.

4.3.2 Operation




Tap  in the main menu or press the VIDEO button on SmartMirror to open the video file list (Figure 4-5).








Fig. 4-5

Tap a folder to open and view its contents (Figure 4-6).



Fig. 4-6

	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to open folder and view contents
	Tap to play video

Tap a video file to open the video player interface.

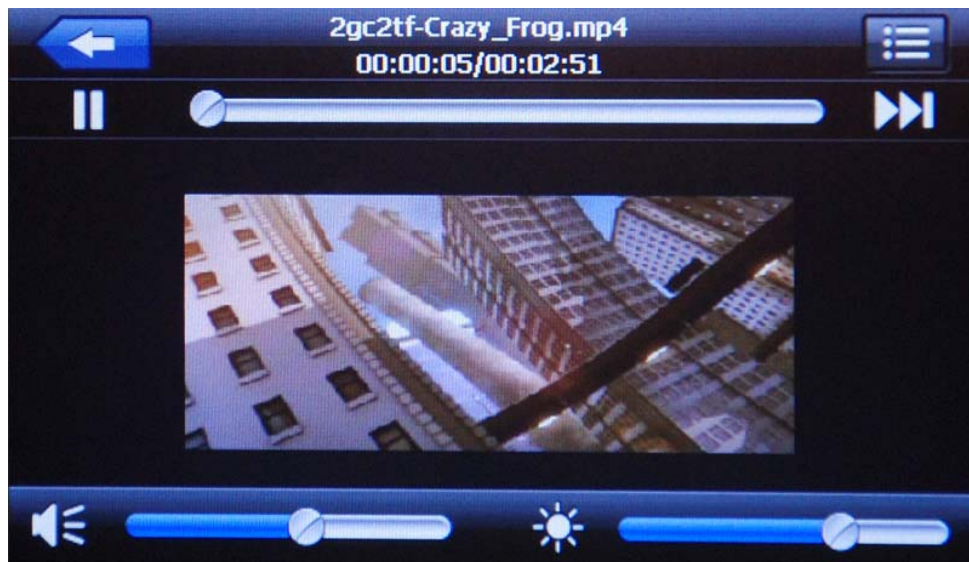










Fig. 4-7

	Tap to return to previous screen
	Tap to pause play; tap again to resume playing
	Tap to go to the next video
	Tap to display the video file list

	<p>Tap the circle on the volume bar and drag left or right to adjust volume</p>
	<p>Tap the circle on the play progress bar and drag left or right to go backward or forward within the video</p>
	<p>Tap the circle on the brightness bar and drag left or right to adjust brightness</p>
	<p>Tap the video screen to switch to full-screen play; double-tap in full-screen mode to return to normal play</p>
<p>2gc2tf-Crazy_Frog.mp4</p>	<p>Name of the video currently playing</p>
<p>00:00:05/00:02:51</p>	<p>Time consumed / Total length of the video</p>

4.4 Audio Player

This chapter introduces how to use the audio player as your personal mp3 player.

4.4.1 Features

- Supports both MP3 and WAV file formats.
- Supports various play selection modes.
- Before using the audio player, please copy your audio files to a folder on the device.

4.4.2 Operation




Tap  in the main menu to enter the music file list (Figure 4-8).



Fig. 4-8

Tap a folder to open and view its contents (Figure 4-9).

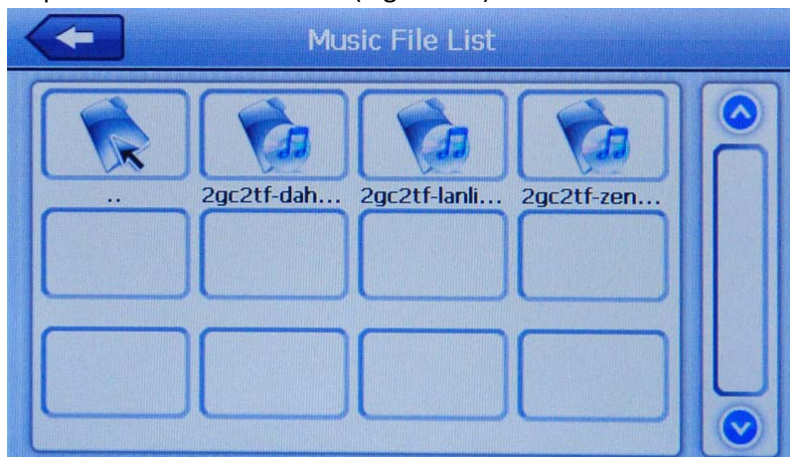






Fig. 4-9




	Tap to return to previous screen
	Tap to scroll up





	Tap to scroll down
	Tap to play song

Tap a song name to open the audio player interface (Figure 4-10).



Fig. 4-10

	Tap to return to previous screen
	Title of the song or name of the audio file currently playing
	Tap to display the audio file list/playlist
	Tap to select the play mode: shuffle, repeat, loop
	Tap the circle on the play progress bar and drag left or right to move backward or forward within the song
	Tap to return to the main menu
	Tap to play the previous song
	Tap to pause play; tap again to resume playing

	Tap to play the next song
	Tap to stop playing
	Tap the circle on the volume bar and drag left or right to adjust volume
	Time consumed/ Total length of the song

4.5 Photo Viewer

This chapter introduces how to use the photo viewer to browse your pictures.

4.5.1 Function features

- Supports JPG, BMP and PNG file formats.
- Supports picture rotate, picture enlarge/shrink and slideshow play.
- Before using the photo viewer, please copy your photo files to a folder on the device

4.5.2 Operation




Tap  in the main menu to open the photo list (Figure 4-11).







Fig. 4-11

Tap a folder to open and view its contents (Figure 4-12).




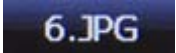

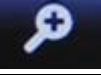


Fig. 4-12





	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to view photo

Tap a photo file to open the photo viewer interface (Figure 4-13).



Fig. 4-13

	Tap to return to previous screen
	File name and format for the photo currently displayed
	Tap to display the photo list
	Tap to zoom in
	Tap to zoom out
	Tap to rotate the photo 90°

	Tap to show the previous photo
	Tap to show the next photo
	Tap to view your photo in full-screen mode; tap screen again to return to photo view mode
	Tap view photos as automatic slideshow in full-screen mode; tap again to return to photo view mode

4.6 E-book Reader


This chapter introduces how to use the E-book reader.

4.6.1 Features

- Supports TXT file format.
- Supports page turning and page browsing.
- Before using the E-book reader, copy your TXT files to a folder on the device.

4.6.2 Operation



Tap  in the main menu to open the E-book list (Figure 4-14).

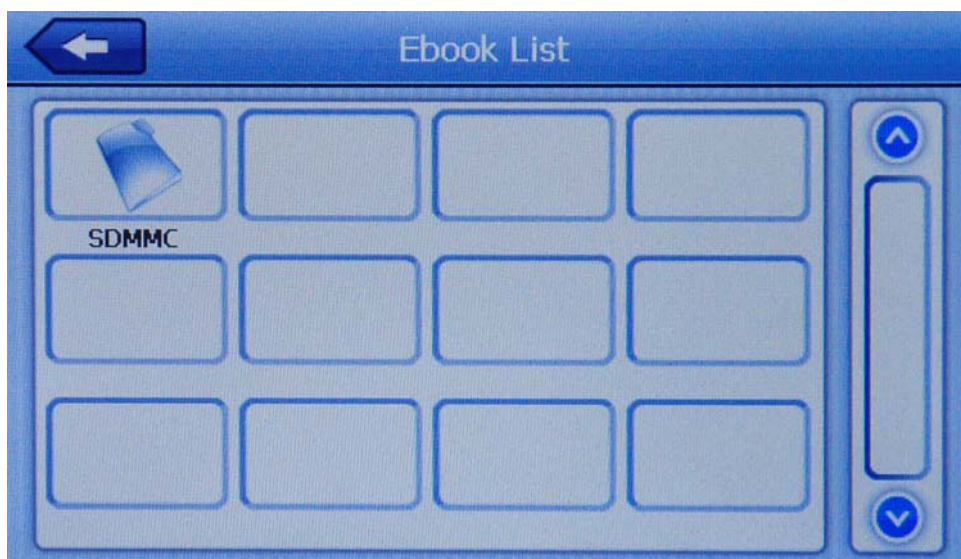


Fig. 4-14

Tap a folder to open and view its contents (Figure 4-15).

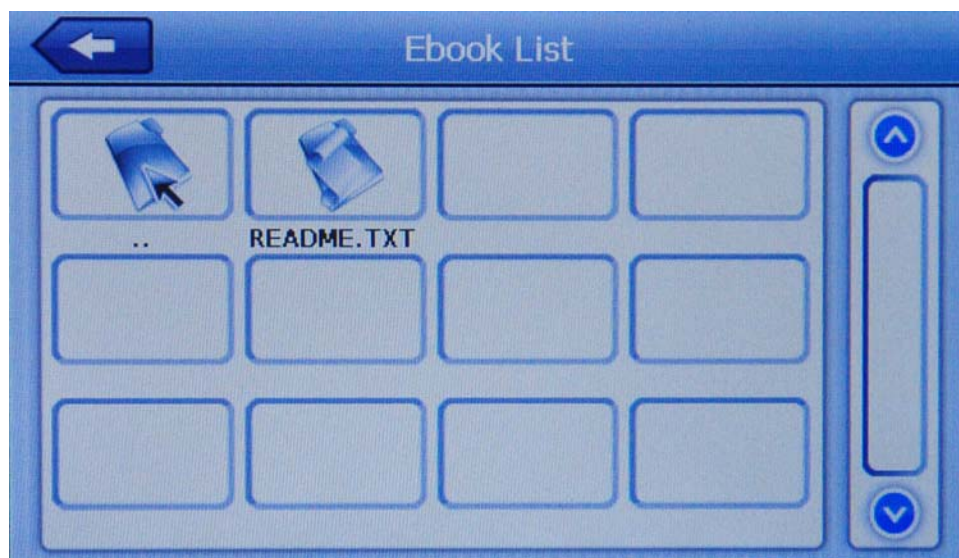






Fig. 4-15

	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to open book

Tap a book file to open the E-Book reader interface (Figure 4-16).

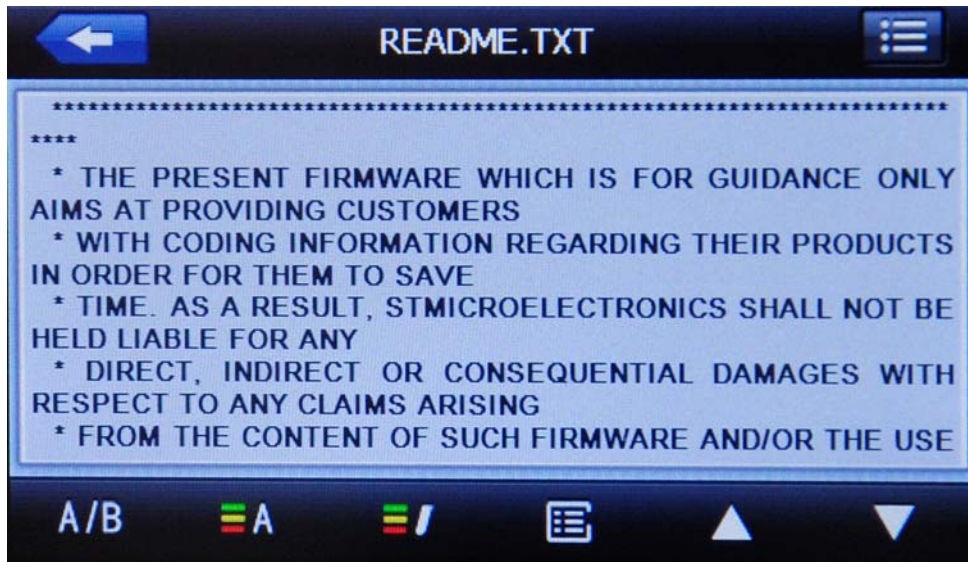
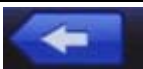









Fig. 4-16

	Tap to return to previous screen
	Tap to display the E-book list
	Tap to adjust font (Figure 4-17)
	Tap to adjust text color (Figure 4-18)
	Tap to create a bookmark for selected text
	Tap to display bookmark list (Figure 4-19)
	Tap to go to previous page

	Tap to go to next page
---	------------------------

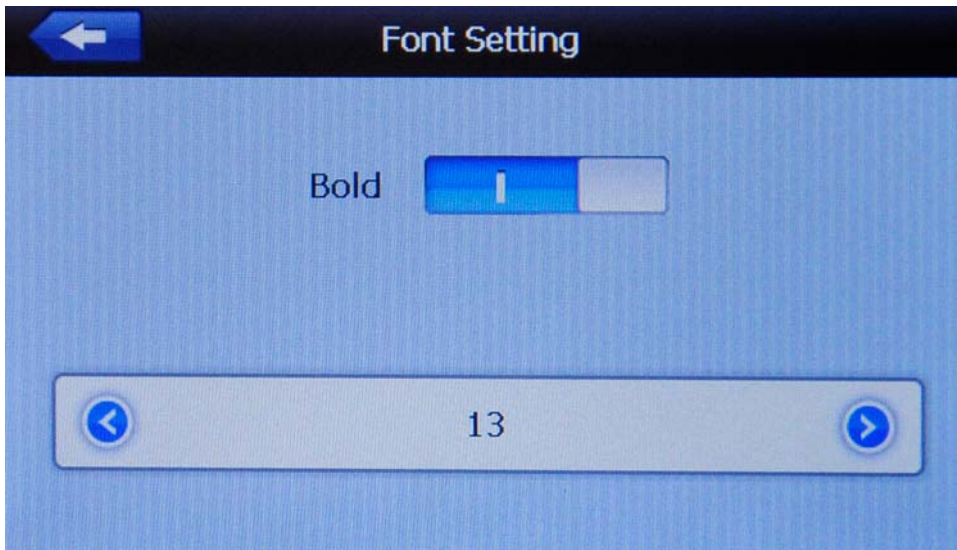
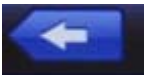
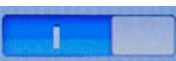




Fig. 4-17

	Tap to return to previous screen
Bold 	Tap to select/deselect bold text
	Tap to decrease font size
13	Font size indicator
	Tap to increase font size

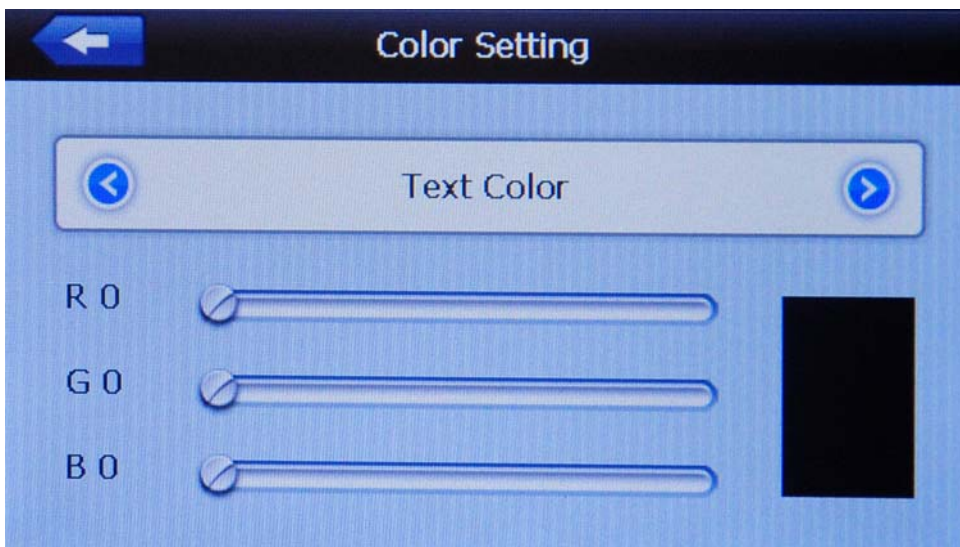

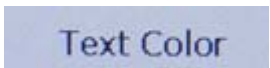

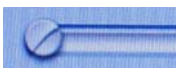



Fig. 4-18

	Tap to return to previous screen
	Color setting being adjusted
	Tap to choose from background color or text color
	Tap and drag circles on R, G, and B bars to set text color
	Color preview

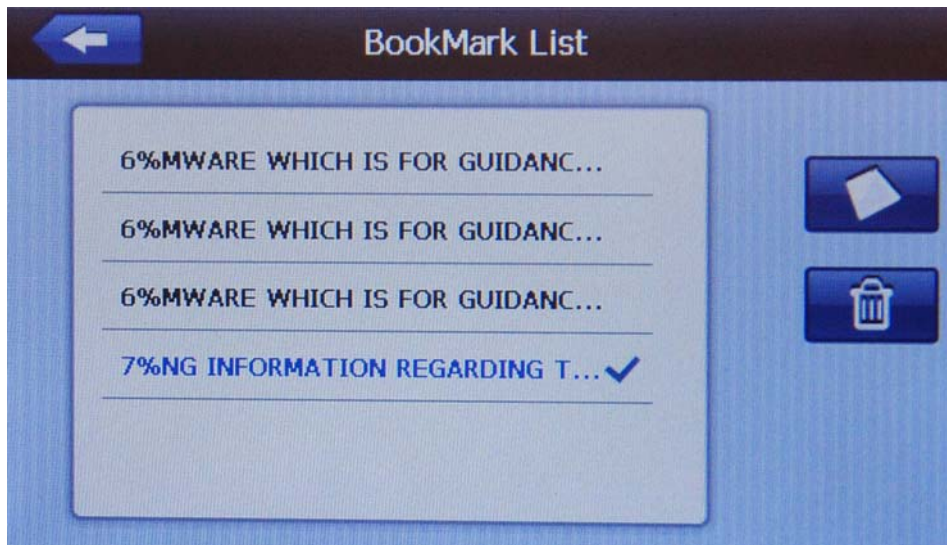

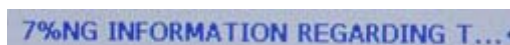





Fig. 4-19

	Tap to return to previous screen
	Selected bookmark
	Tap to open selected bookmark
	Tap to delete selected bookmark

4.7 Games



Tap  in the main menu to open the game interface and choose from a selection of games (Figure 4-20).

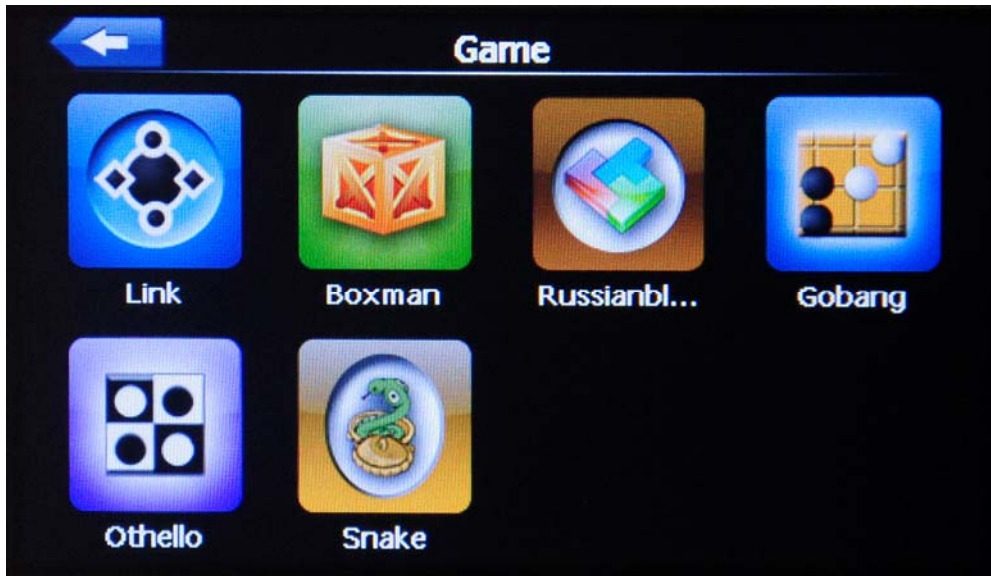



Fig. 4-20

Tap  to return to the previous screen.


4.8 Unit Conversion



Tap **Unit Con..** in the main menu to open the unit conversion interface (Figure 4-21).



Fig. 4-21

Tap  to return to the previous screen.

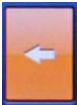
4.9 Calculator

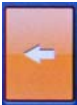


Tap **Calculator** in the main menu to open the calculator interface (Figure 4-22).



Fig. 4-22



Tap  to return to the previous screen.

4.10 Volume









Tap **Volume** in the main menu to open the volume setting interface (Figure 4-24).

Here you can adjust both speaker volume and screen tap sound.



Fig. 4-24

	Tap to return to previous screen
	Tap to reduce speaker volume
	Current volume level
	Tap to increase speaker volume
	Current screen tap sound
	Tap to select loud, soft or off

4.11 Backlight



Tap **Backlight** in the main menu to open the backlight setting interface (Figure 4-25).

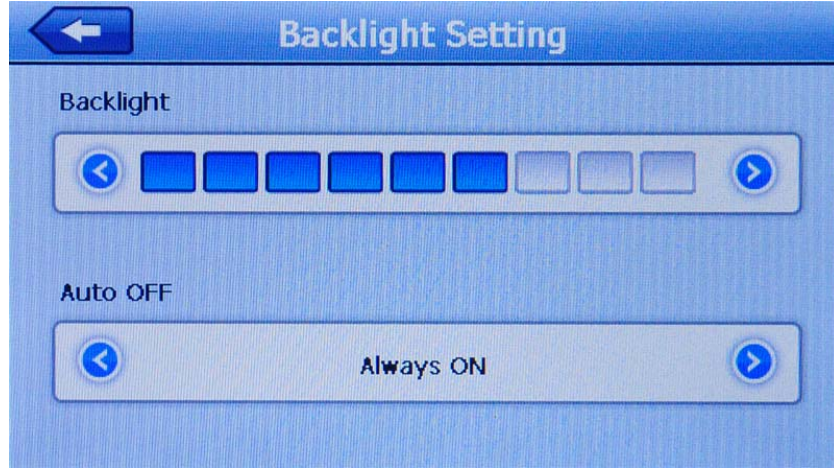
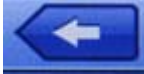



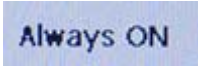



Fig. 4-25

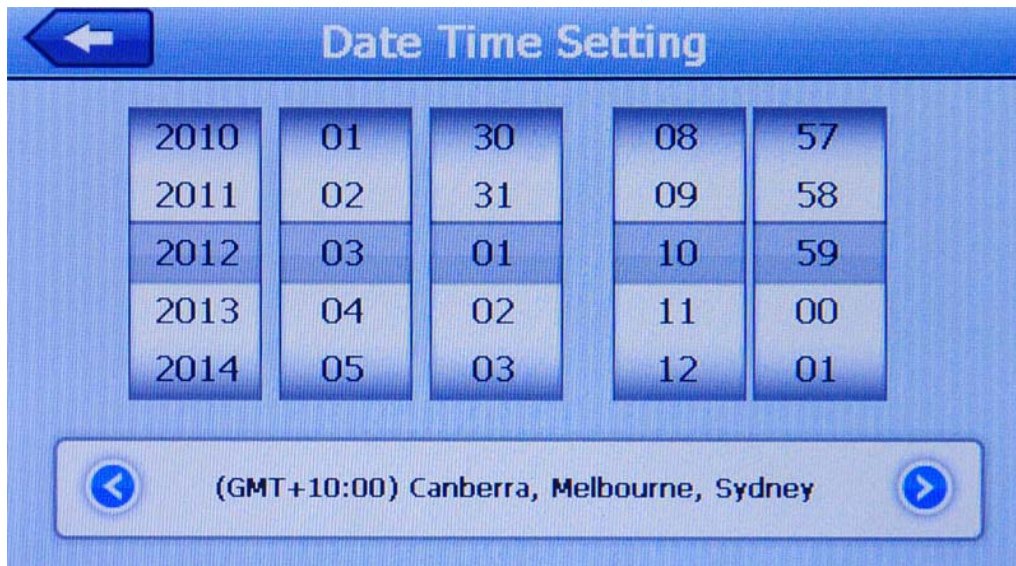
	Tap to return to previous screen
	Tap to reduce brightness
	Current brightness level
	Tap to increase brightness
	Current backlight display time interval setting
	Tap to select how long you want the backlight to remain on following the last screen touch: always on, 3 minutes, 2 minutes, 1 minute, 30 seconds, or 10 seconds.

4.12 Date & Time



Tap **Date Time** in the main menu to open the date/time setting interface (Figure 4-26).



The date/time setting interface allows you to set the system date, time and time zone.




4-26

Tap and drag year, month and day columns to select date.

Tap and drag hour and minute columns to select time.

Tap  or  to select appropriate time zone.

Tap  to return to previous screen.

4.13 Screen Calibration



Tap **Calibration** in the main menu to calibrate your device (Figure 4-28).



Fig. 4-28

To calibrate:

1. Tap **YES**. A target will appear on the screen (Figure 4-29).

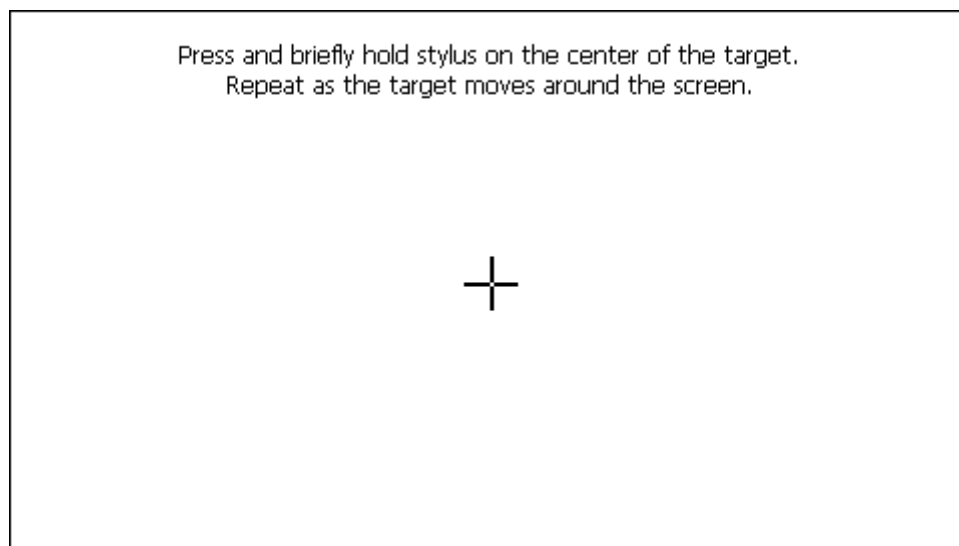


Fig. 4-29


2. Carefully tap the center of the target.
3. Repeat as the target moves around the screen.
4. When calibration is complete, the target will disappear. The new calibration settings have been measured.

5. Tap the screen to save the new settings.

OR, Wait 30 seconds to cancel and keep the current settings.

4.14 FM Transmitter



Tap  in the main menu to open the FM setting interface (Figure 4-30).

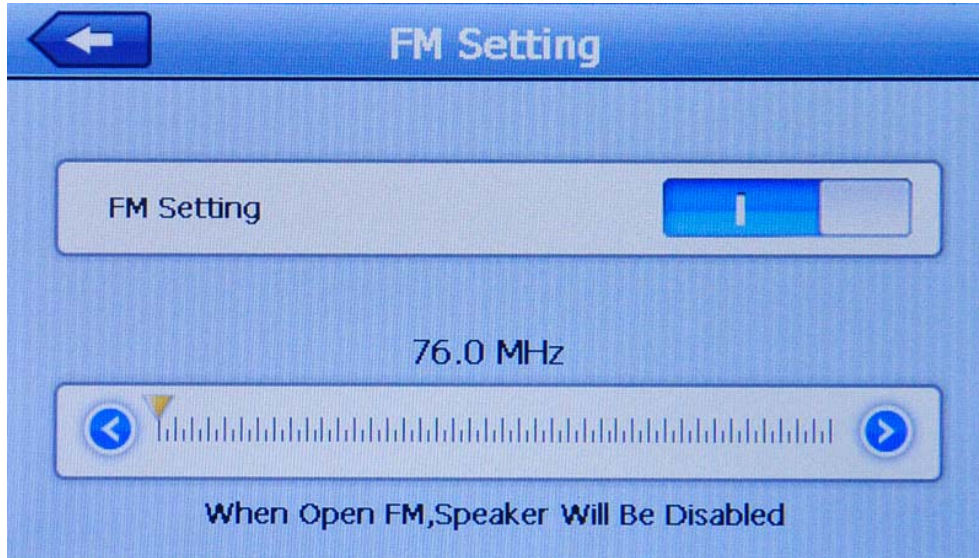


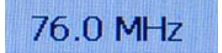



Fig. 4-30

	Tap to return to previous screen
	Tap to turn transmitter ON/OFF
	Current frequency
	Tap to select frequency

When set to ON, the FM transmitter will send out a signal to your vehicle's radio. Set your radio and your device to the same frequency (e.g., 76.0 MHz), and all the sounds of your device will come through your vehicle's speakers. (Note: When FM transmitter is ON, the device speaker is disabled.)

4.15 System Information



Tap **System I...** in the main menu to open the system information interface (Figure 4-31).

Here, you can view your firmware version, APP version and system ID.

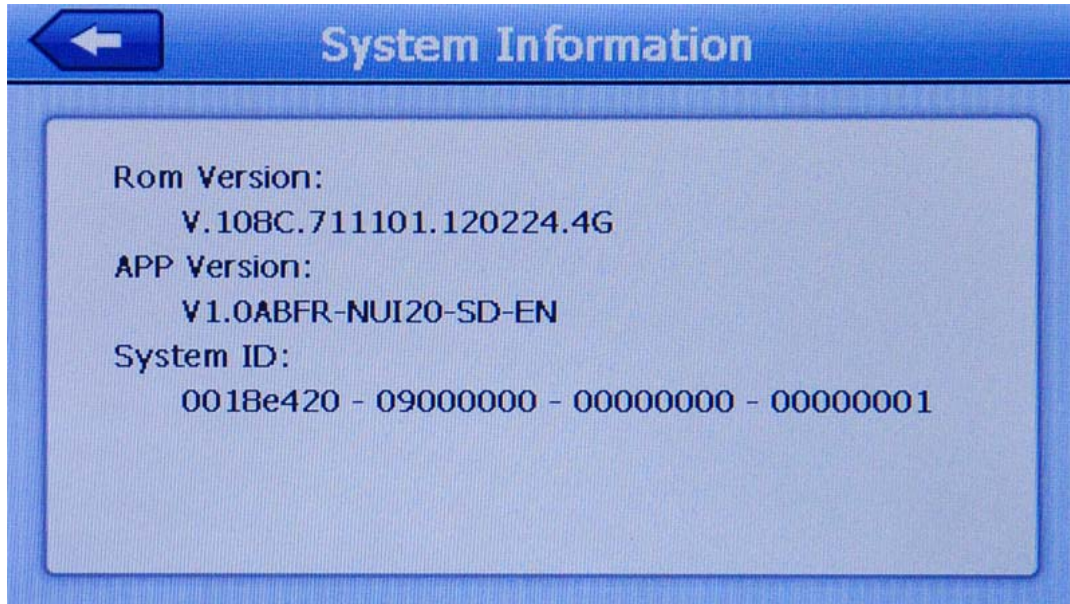



Fig. 4-31

Tap  to return to the previous screen.

4.16 Language




Tap **Language** in the main menu to open the language setting interface (Figure 4-32).



Fig. 4-32

Tap a language to select it.



Tap  to return to the previous screen.

4.17 Navigation Path



Tap **Navi Path** in the main menu to open the navigation path setting interface (Figure 4-33).

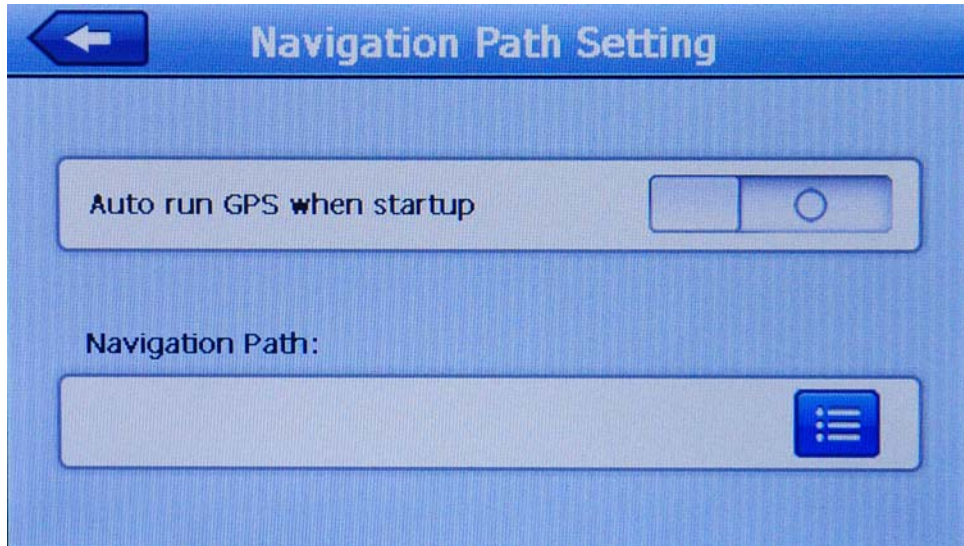

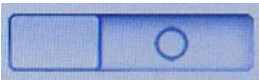



Fig. 4-33

	Tap to return to previous screen.
	Tap to select/deselect auto run for GPS (i.e., whether you'd like the GPS software to run automatically upon device startup)
	Tap to set up the navigation path for your GPS software (i.e., direct the device's navigation features to the software you have placed on the device)

4.18 System Restore



Tap **Restore ...** in the main menu to restore your device to its default settings (Figure 4-34).



Fig. 4-34

Tap **YES** to restore the default settings or tap **NO** to exit.

4.19 GPS Information



Tap **GpsInfo** in the main menu to enter the GPS information interface (Figure 4-35).

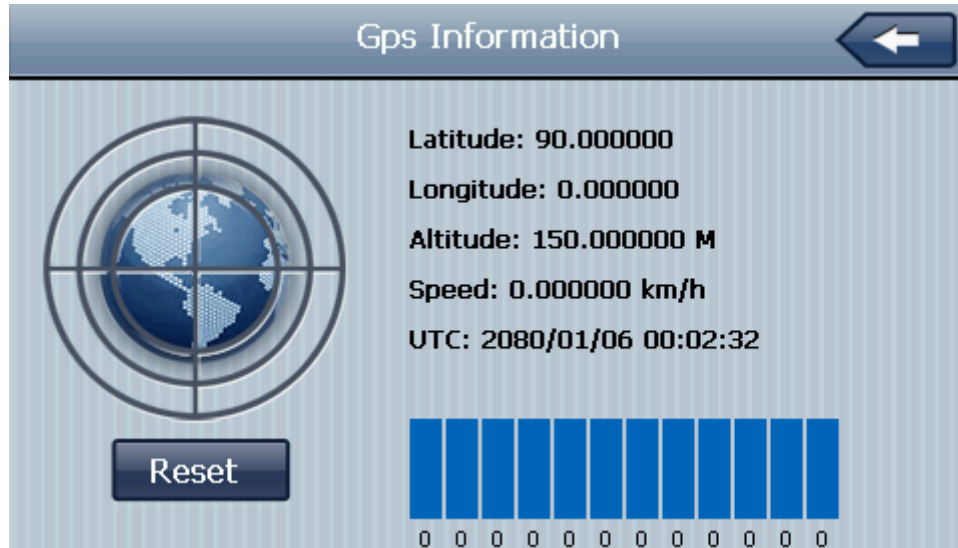



Fig. 4-35

Tap  to return to the previous screen.

4.20 Bluetooth

This chapter introduces how to use the Bluetooth function to connect with your mobile phone for hands-free calling.



Tap **Bluetooth** in the main menu or press the Bluetooth icon on SmartMirror to open the Bluetooth interface (Figure 4-36).



Fig. 4-36



Tap **Pair/Connect** to display the Bluetooth pairing interface (Figure 4-37).

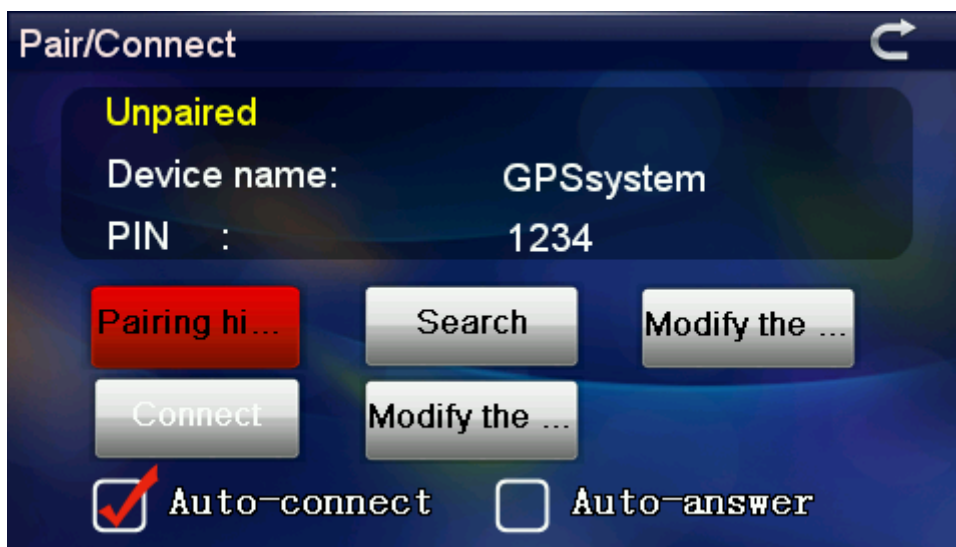




Fig. 4-37

	Tap to return to the previous screen
Unpaired	Not currently connected to your mobile device
Device name:	The default name is GPSSystem
PIN	The default password is 1234
Pairing hi ...	Tap to display the pairing/connection history (Figure 4-40)
Search	Tap to search for Bluetooth devices (Figure 4-41)
Modify the ...	Tap to modify the device PIN (Figure 4-38)
Connect	Tap to connect/disconnect to the selected device
Modify the ...	Tap to modify the device name, as shown in Figure 4-39
<input checked="" type="checkbox"/> Auto-connect	Tap to select/deselect auto-connect, which allows an automatic connection with your mobile device when you start your vehicle
<input type="checkbox"/> Auto-answer	Tap to select/deselect auto-answer for incoming calls

Tap  modify the device PIN (Figure 4-38).

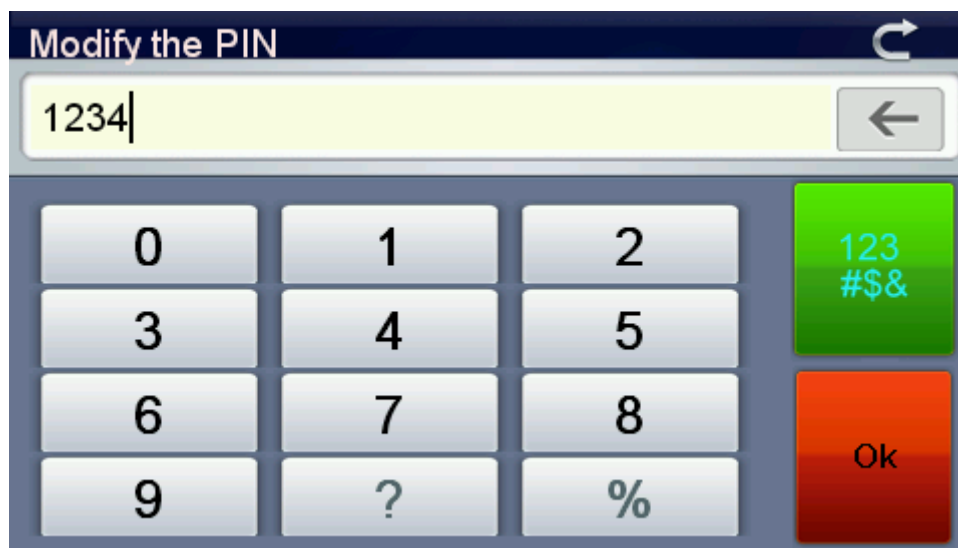





Fig. 4-38

Enter your desired, tapping  to switch between numbers and letters, then tap  to save.

Tap  to modify the device name (Figure 4-39).

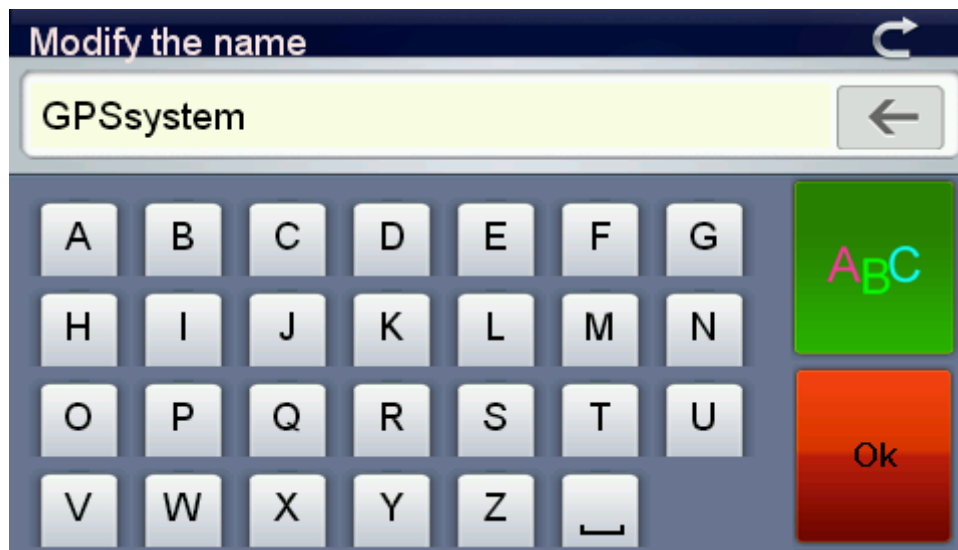


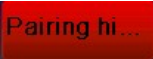


Fig. 4-38

Enter the name, tapping  to switch between letters and numbers, then tap  to save.

Tap  to display the pairing/connection history (Figure 4-40).

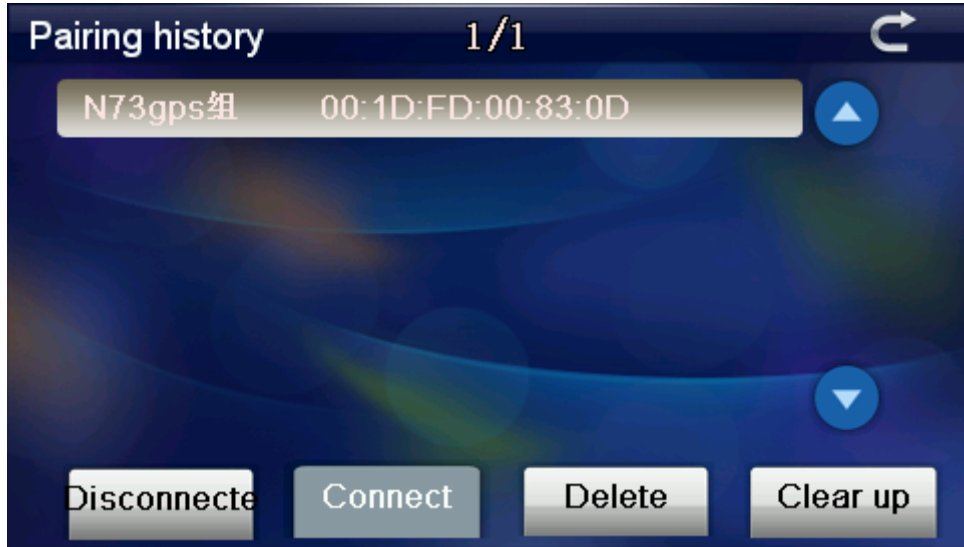





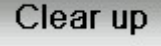
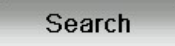


Fig. 4-40

	Scroll up
	Scroll down
	Tap to disconnect from selected device
	Tap to connect to selected device
	Tap to delete the selected device
	Tap to delete pairing/connection history

Tap  to search for available Bluetooth devices (Figure 4-41).

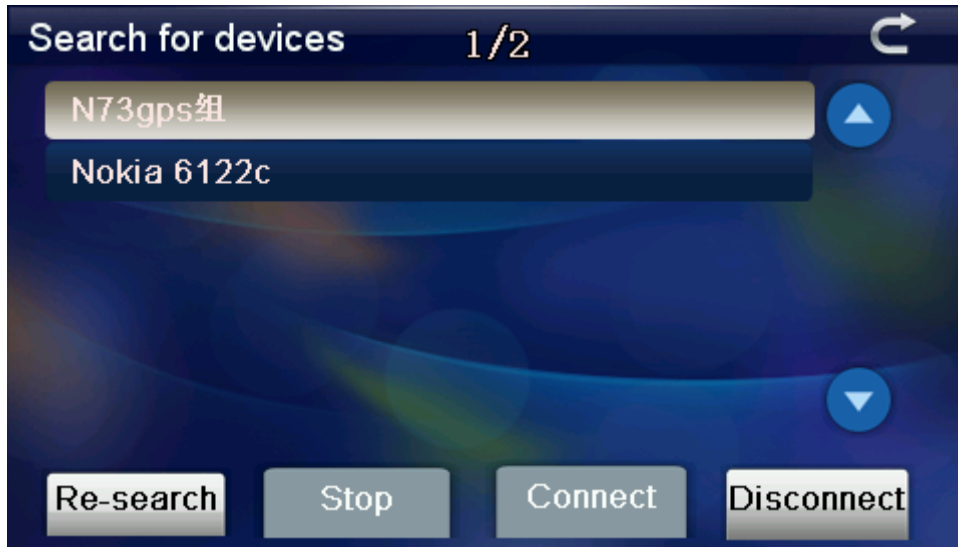



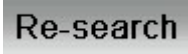







Fig. 4-41

	Tap to return to previous screen
	Scroll up
	Scroll down
	Tap to begin searching again
	Tap to stop searching for devices
	Tap to connect to selected device
	Tap to disconnect from selected device

To connect, tap a device in the list to select it, then tap . Enter the SmartMirror device PIN on your mobile phone to connect with the Bluetooth device safely. Then tap  to exit. The following screen (Figure 4-42) will display, confirming the connection.

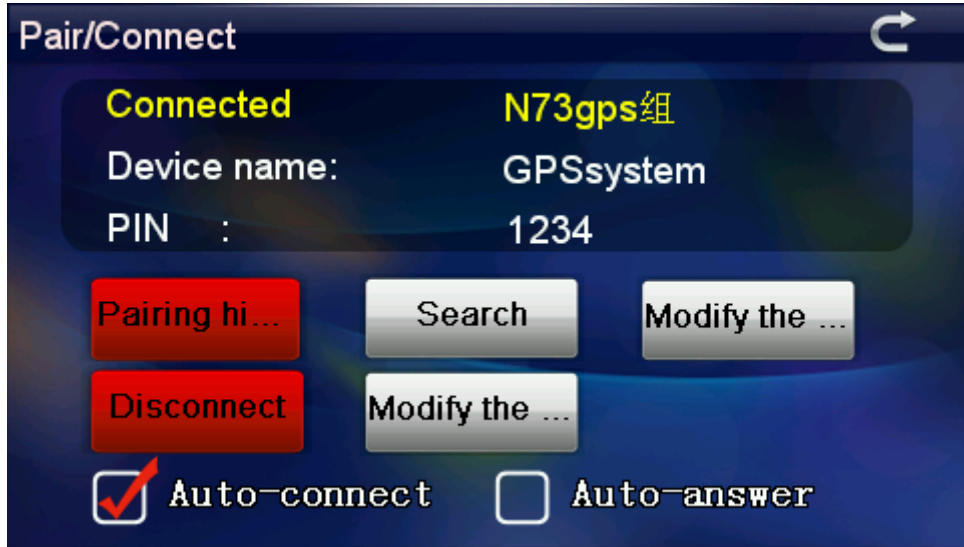





Fig. 4-42







Tap  to exit.

The Bluetooth interface icons will now appear in color to show there is an active connection (Fig. 4-43).



Fig. 4-43

	Tap to return to the previous screen
	Tap to place a call (Figure 4-44)
	Tap to display contact list of paired phone

	Tap to display call history
	Tap to play music from your mobile device
	Tap to open text messaging interface
	Tap to connect to the Internet via your mobile device
	Tap to display the Bluetooth pairing interface
	Bluetooth currently on; tap to turn off



Tap **Dialing** to open the call interface (Figure 4-44).

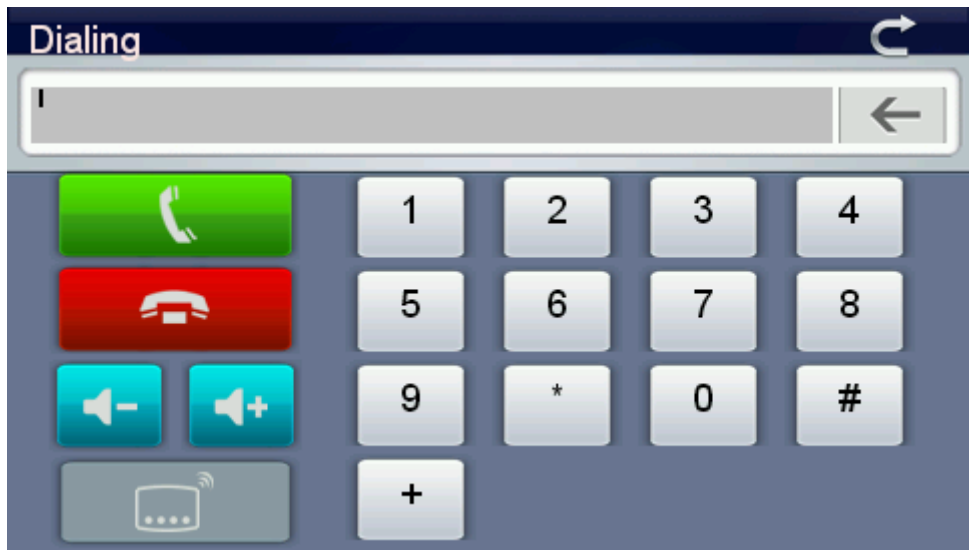




Fig. 4-44

	Tap to return to previous screen
	Displays the number being dialed

	Numeric keypad
	Tap to delete last number entered
	Tap to place call
	Tap to end call
	Tap to decrease volume
	Tap to increase volume
	Tap to switch call from GPS to cell phone and vice versa

When there is an incoming call, the display will show the number of the caller on the screen (Figure 4-45).

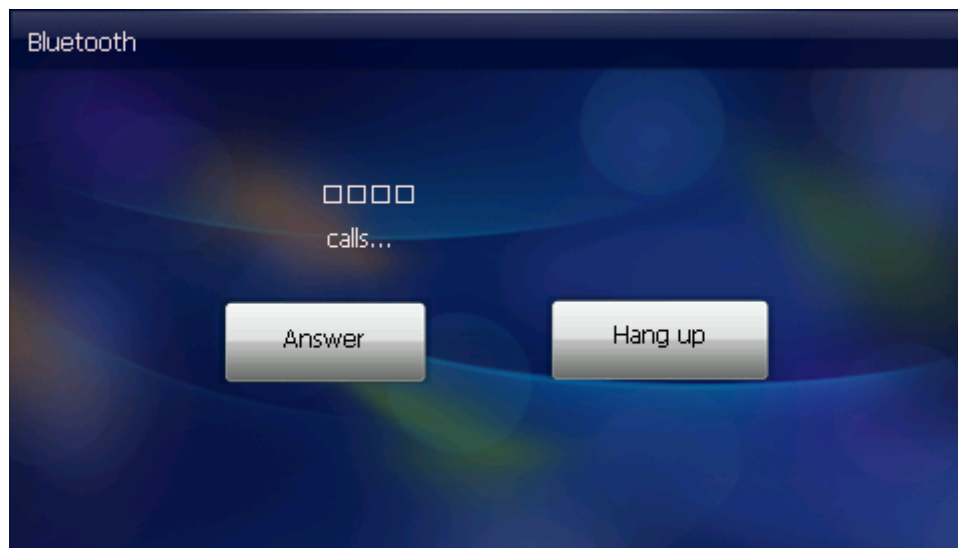




Fig. 4-45

Tap  to refuse the call or  to answer the call. Once connected, the display will open the call interface.

The caller's voice will come through the SmartMirror speaker, and your voice will be picked up by the SmartMirror microphone. To manage the call through your connected mobile






phone, simply tap .



Tap **Phonebook** to display the contact list of the connected device (Figure 4-46).



Fig. 4-46






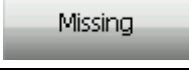


	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to synchronize contact list with connected device
	Tap to dial selected contact



Tap **Call history** to display the call history (Figure 4-47).



Fig. 4-47

	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to view received calls
	Tap to view outgoing calls
	Tap to view missed calls
	Tap to call selected contact
	Tap to synchronize call history with connected device



Tap **A2DP** to open the A2DP music interface (Figure 4-48).

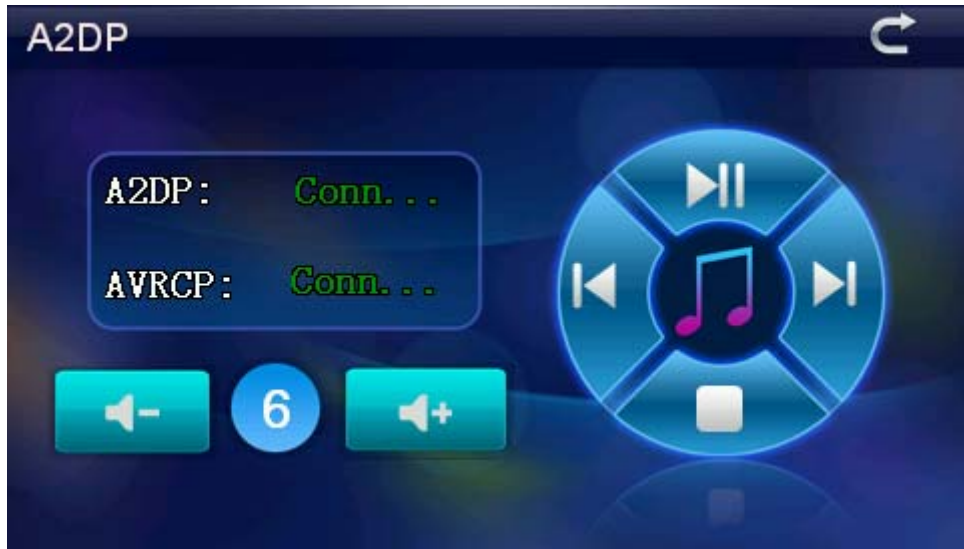


Fig. 4-48

	Tap to return to previous screen
	Tap to decrease volume
	Current volume level
	Tap to increase volume
	Tap to pause; tap again to resume playing
	Tap to go to the previous song
	Tap to go to the next song
	Tap to stop play









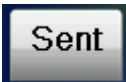
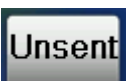
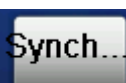

Tap  to open the text messaging interface (Figure 4-49).



Fig. 4-49

	Tap to return to previous screen
	Tap to scroll up
	Tap to scroll down
	Tap to view unread messages
	Tap to view read messages
	Tap to view sent messages
	Tap to view unsent messages
	Tap to synchronize text messages with connected device
	Tap to call selected contact



Tap **DUN** to open the DUN Internet interface (Figure 4-50).



Fig. 4-50




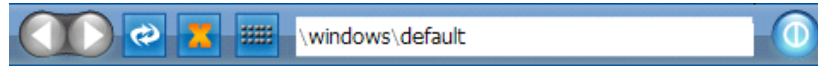
Tap  to connect to the Internet. Once connected, SmartMirror will display the following screen (Figure 4-51). (**Note:** Some mobile phones cannot support the DUN Internet function.)



Fig. 4-51

Tap  to return to previous screen.

Tap  to open the browser. SmartMirror will automatically open an Internet Explorer browser (Figure 4-52).







Welcome to Microsoft Pocket Internet Explorer



© 2004 Microsoft Corporation. All rights reserved. [Terms of use.](#)

Fig. 4-52

	Tap to go back
	Tap to go forward
	Tap to refresh current page
	Tap to stop opening URL
	Tap to open the browser keyboard (Figure 4-53)
\windows\default	Tap to display address bar
	Tap to exit browser interface

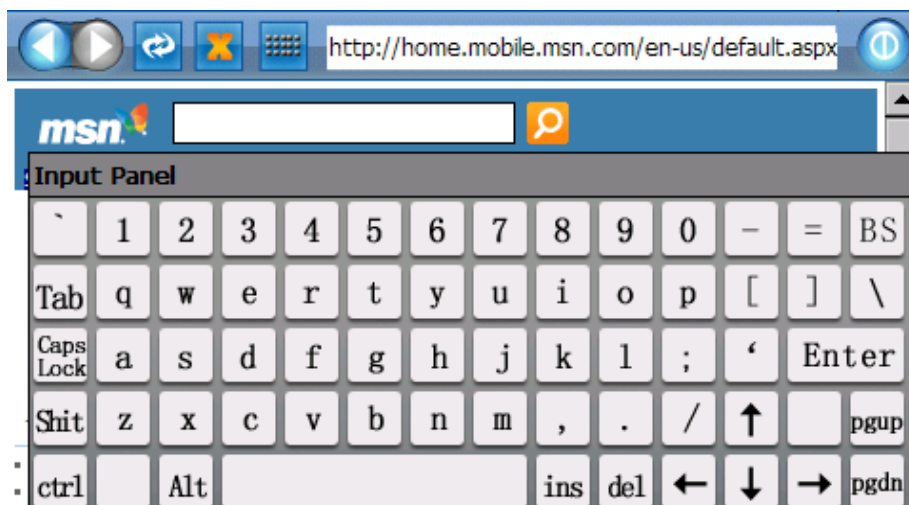


Fig. 4-53

ESCORT Inc.

5440 West Chester Road
West Chester, OH 45069

Sales/Service 800.543.1608
www.EscortRadar.com

©2012 ESCORT Inc. ESCORT® and SmartMirror™ are trademarks of ESCORT Inc.

Features, specifications, and prices subject to change without notice.