



FONIX

VoiceDial

2.1

Freedom of Speech with Fonix VoiceDial
for Mobile and Wireless Devices

Smartphone User Manual

Award-winning "Killer App"

2003 Best Application in
Microsoft Mobile Solutions
Challenge: Smartphone and
Pocket PC Phone Edition device
2003 AVIOS Best Consumer
Product

"Fonix VoiceDial is a great
example of a product that has
capitalized on the Windows
Powered software to create a
solution that makes devices not
only easier to use but safer in
many situations, like dialing a
phone number while driving."

- Jeff McKean, retail marketing
manager for the Mobile Devices
Division at Microsoft

Fonix introduces VoiceDial, a totally interactive, hands-free software application for today's hottest wireless devices. Simply speak the number or name to call, and VoiceDial does the rest. It's that easy!

VoiceDial is:

Speaker independent — there's no voice training involved, including both contact names and digit dialing. Highly accurate — even in noisy environments like cars or airports, perfect for when you're on the go or anytime you want a better, safer and easier way to dial your contacts.

VoiceDial allows you to:

Dial names directly from your contact list or SIM card — no matter how many names in your contact database. Access your contacts without navigating multiple menu trees; just say the name of the person you want to call. Dial a number directly using a continuous string of numbers — no pausing or waiting for each digit.

VoiceDial offers:

Several prompting voices — you choose which voices to download to your device. All text-to-speech (TTS) voices are highly intelligible and will handle an unlimited vocabulary, even with difficult contact names.

Supported Devices:

Treo 700w, Sprint 6700, UTStarcom XV6700, and Windows Mobile 5 Smartphone devices.



Introduction

Fonix VoiceDial 2.1 is a voice-activated interface that enables you to use your voice to call contacts, or dial a phone number with your SmartPhone device.

Important Notes: Do not speak until you hear the single beep and/or see the blue volume meter. Speaking too soon will cause mis-recognition problems.

If there are no contacts listed on your SmartPhone device, VoiceDial will default to dial a number.

The first time you use VoiceDial, a recognition file is generated from the contacts database on your SmartPhone device.

When VoiceDial creates a recognition file it uses the first and last name fields, or the company name field if there is not a first and last name. VoiceDial will also remove any non-alphabetic characters from the name so any name composed entirely from numbers or symbols will be omitted from the recognizer.



Fonix VoiceDial™
Your mobile / wireless speech solutions just got better

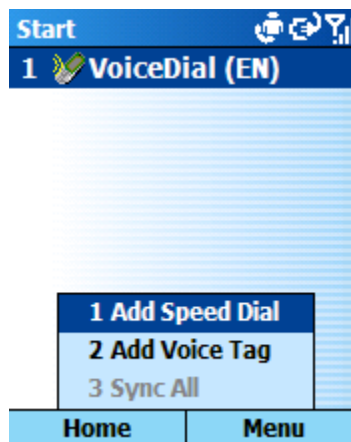
Fonix Corporation
April 1, 2006

Setup a launch key

From the SmartPhone Home screen; navigate to the VoiceDial application by pressing:

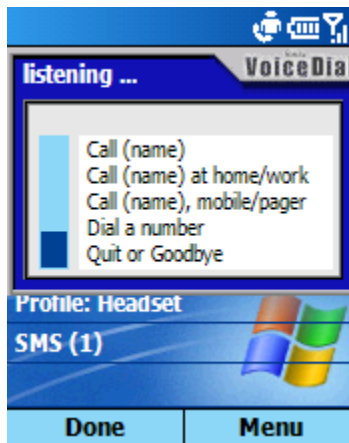
- "Programs" softkey
- 9 More
- 9 More
- 2 Fonix Voice Apps

With the "VoiceDial" icon highlighted press the "Menu" softkey and select "Add Speed Dial" from the popup menu. Select the "Keypad assignment" field and press enter. Select any one of the available keys and press the "Done" softkey. Press Done again to finish adding your shortcut. Press the "Home" button to go back to the SmartPhone Home screen.



Start Fonix VoiceDial

To start Fonix VoiceDial, press and hold the **Launch** button on your SmartPhone device until the busy icon is displayed. After launching Fonix VoiceDial you should see the following screen.



Fonix VoiceDial will say, "***Call a contact or dial a number***". After you hear the prompt Fonix VoiceDial will play a single beep indicating that the microphone is on and in listening mode. A volume meter will also be displayed when the microphone is on. While in listening mode you should say one of the following commands:

[Call \(name\)](#)
[Dial a number](#)
[Quit or Goodbye](#)

Exit Fonix VoiceDial

To exit VoiceDial you can do any of the following:

- Say "**goodbye**"
- Say "**quit**"
- Press the **Done** softkey

VoiceDial will also end automatically if nothing is said within a reasonable period of time.

Place a call by name

1. Say **"call,"** followed by the first and last name of the contact you want to call, or if you have previously created a nickname for the contact, you may say the nickname. For more information on creating nickname, see [Assign contact nicknames](#) in the VoiceDial Settings help file.
2. Additionally, you can say the location at which you want to reach the contact (work, home, mobile, pager).
3. The following examples are valid commands for placing calls by name:

"Call John Smith"

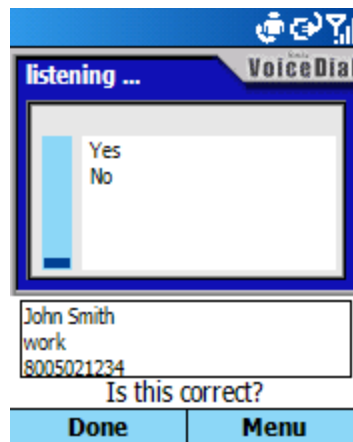
"Call John Smith at home"

"Call John Smith, home"

"Call John Smith, mobile"

If you do not say a location, Fonix VoiceDial will dial the first number associated with that contact, in order of last number dialed for that contact, work, home, mobile, or pager.

4. VoiceDial will show you the name and number of the contact and ask you if the information is correct.



5. Say, **"yes,"** to dial the number. Say **"no,"** if the name and number displayed are not correct. VoiceDial will go back to the beginning and listen for a new command.



Note: If you say "Call John Smith at home" and there is no home phone number listed for John Smith, VoiceDial will find the first available number for John Smith and attempt to call it.

Place a call by number

1. Say, **"Dial a number."**
2. VoiceDial will ask, ***"What number would you like to dial?"*** then a beep will sound.
3. Say the number you want to dial, one digit at a time.
For example:
Say, **"five, five, five, four, eight, nine, one."**
Do not say, **"five, five, five, forty-eight, nine, one."**
4. VoiceDial will speak the number and ask you if the information is correct.
5. Say, **"yes,"** to dial the number. Say **"no,"** for VoiceDial to reset and listen for a new command.



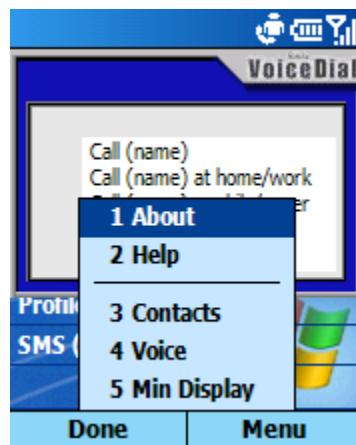
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“About” information

To access VoiceDial version information press the "About" softkey when the main menu is displayed.

The About page displays important information needed for help and support. To contact Fonix support, send an email to VoiceDialSupport@fonix.com. Please include the version number, build date, and language of VoiceDial.



“Help” Information

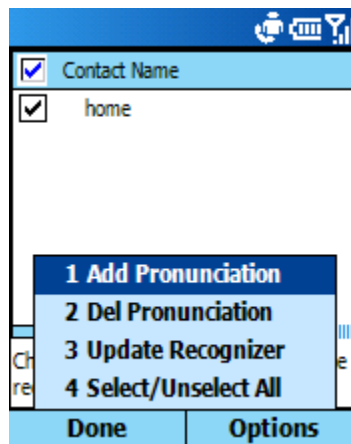
This help information can be accessed on your SmartPhone device by pressing the VoiceDial "Menu" softkey and selecting "Help".

Contacts

To access the contacts used in the speech recognizer and modify any contact related options, press the "Menu" softkey and select "Contacts". Only contact names with a check mark next to them will be included in the speech recognizer. A user pronunciation or nickname can be added to each contact. Contacts that have a user pronunciation or nickname will have a person's head icon to the left of the name.

Press the up or down toggle to **select a contact name** from the list.

Press the right or left toggle to **add or remove a check mark** from the selected contact.



Press the "Options" softkey and select **"Add Pronunciation"** to add a user pronunciation for the contact that is currently selected.

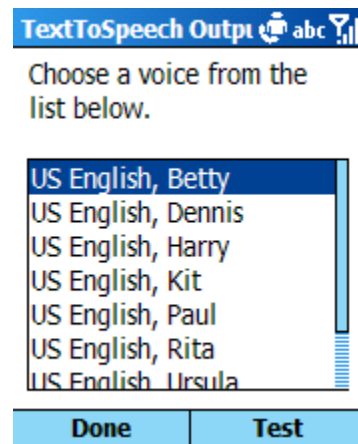
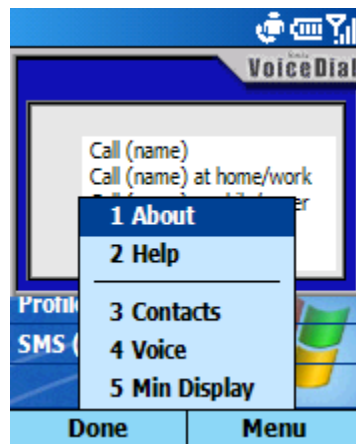
Press the "Options" softkey and select **"Del Pronunciation"** to delete a user pronunciation for the contact that is currently selected.

Press the "Options" softkey and select **"Update Recognizer"** to update the speech recognizer with all of the currently checked contacts. Whenever you add or delete a contact, VoiceDial will ask you if you want to update your contact names recognizer. However, if you make any changes and the total number of contacts in your database stays the same, VoiceDial will not be able to detect that there have been any changes. You can manually force VoiceDial to update the contact names recognizer selecting this option.

Press the "Options" softkey and select **"Select/Unselect All"** to add or remove the check mark from all contacts on the list.

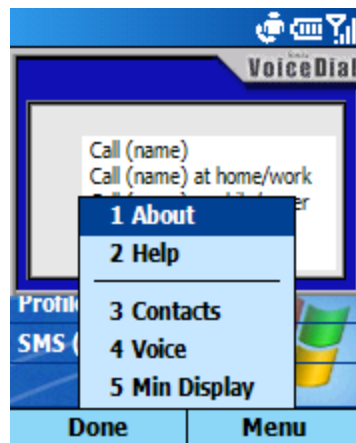
Select a Voice

To select a voice to be used with VoiceDial, press the "Options" softkey and select "Voice". Press the up or down toggle to select any of the installed voices. You can also press the "Test" softkey to hear a short sample of the selected voice. When you are done selecting and testing a voice, press the "Done" softkey to save the selection.



Min Display

Once you are comfortable with using VoiceDial and no longer need to see the text prompts you can minimize the display of VoiceDial to a small thin bar that is displayed at the top of the screen. To minimize the VoiceDial interface, press the "Menu" softkey and select "Min Display". To go back to the full size interface, repeat the same process.



Tips and Tricks

For best accuracy

- Wait until you hear the single beep and/or see the blue microphone volume bar before speaking. If you speak too soon VoiceDial may miss the beginning of your command
- Be sure to speak the whole command phrase. For example:

Say "Call John Smith"

Do Not Say "John Smith"

Say "Call John Smith at home"

Do Not Say "John Smith at home"

- Pronounce your words clearly.
- Do not speak too slowly.
- Speak a little loud but do not yell.
- Add a user pronunciation to names that have difficulties.
- Remove names from the recognizer that are rarely used.
- Use an external microphone. Sometimes the internal microphone of a PDA can be damaged or defective.
- Remove or change names that may be very similar in your contact list.
- Make sure that names are entered in the "First Name" and "Last Name" or "Company Name" fields. VoiceDial uses whatever name(s) is/are in the "First" and "Last" name fields or the "Company" name field of the Contacts database. If the names are accidentally put in the "Suffix" or "Middle" name fields, then the recognizer will not use the correct name.
- When VoiceDial creates a recognition file it uses the first and last name fields, or the company name field if there is not a first and last name. VoiceDial will also remove any non-alphabetic characters from the name so any name composed entirely from numbers or symbols will be omitted from the recognizer.



For advanced users

- VoiceDial remembers the last phone number you called for each contact so you don't have to say the phone location again. For example, once you have called a contact at home the next time you call the same contact you can just say, "Call (first and last name)".
- Minimize the display. Once you are familiar with the prompts you can minimize the VoiceDial display to be just a small bar at the top of the screen.
- You can stop VoiceDial while speaking long phrases by pressing the Launch button again.
- You can set the user preferences to add any number you have just spoken to your contact list.
- You can customize your voice prompts. Just replace the wave files in "\Program Files\Fonix\VoiceDial\SoundClips" with your own recordings. Just be sure to name your wave file with the same name as the file you are replacing.
- You can speed up the overall process of making a call by turning off some of the following user preferences.
 - "Enable Extra Audio Help"
 - "Confirm Digit Dial"
 - "Confirm Call Contact"
- You can manually force VoiceDial to rebuild the recognizer by unchecking and then rechecking any name on the contact list in the VoiceDial Settings Application.

Troubleshooting

The following section describes several situations you may experience while using VoiceDial. Each issue appears in bold, with the corresponding solution below it.

- **VoiceDial tells me, "Please speak more clearly."**

Speech was not recognized. There may be too much background noise in the area. You may want to try again with the headset, or you may need to speak louder, and more clearly.

- **VoiceDial is operating slowly.**

If VoiceDial is operating slowly or recognition seems to lag or become inaccurate, check to see if there are programs running in the background that could be closed to free up memory.

- **VoiceDial is not recognizing properly.**

For best results when using VoiceDial in a noisy environment, use the headset provided with your SmartPhone device.

- **I say a company name, VoiceDial recognizes the company name, but brings up the information for a different contact.**

VoiceDial searches the "first" and "last" name fields first when searching for a contact. If the name is not found, then VoiceDial searches the "company" name field. If you have multiple contacts with the same company name and one or more of those contacts do not have a first and last name, VoiceDial may not be able to find the intended company contact. To solve this problem, enter the company name in the "first" and/or "last" name field.

VoiceDial displays a message that says it cannot build the recognizer.

Make sure that VoiceDial is not running. Navigate to the install folder "\\Program Files\\Fonix\\VoiceDial" and delete the file Settings.cfg. Restart VoiceDial.