

VoiceDialerPro 1.0

by SmartVoice International

User Manual for Pocket PC Phones



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1 Introduction

1.1 About VoiceDialerPro

VoiceDialerPro by SmartVoice is an exciting new voice recognition application for Pocket PC phones that offers voice-enabled dialing of names.

VoiceDialerPro by SmartVoice allows you to dial simply by saying any name from your contact list without manually selecting from the phonebook or keying in the phone number.

1.2 Key Features

- ➔ **No Voice Training Required or Pre-Recording Necessary** - Unlike other voice dialing solutions, VoiceDialerPro does not require the tedious task of setting up each contact. It works the first time you speak to it.
- ➔ **Speaker-Independent** VoiceDialerPro understands any voice from any users and has a high tolerance for a variety of accents.
- ➔ **High Accuracy** - VoiceDialerPro has a high accuracy in a wide variety of environments.
- ➔ **Large Phonebook Size Support** - All names in your contact list can be enabled for voice dialing.
- ➔ **Multiple Phone Number Selection** - Prompts you to choose "Home phone", "Office", or "Mobile" number of dialing.
- ➔ **Automatic Phonebook Synchronization** - When the phonebook is modified or synchronized with a phone contact list on a personal computer, the "Enable name list" in VoiceDialerPro is updated automatically.
- ➔ **Interactive Voice Confirmation** - Enables you to confirm recognized name before dialing simply by saying "Correct", "Not", or "Try Again".
- ➔ **Phonebook Activation** - Allows you to activate all the names in the phonebook or selected names only for Name Dialing.
- ➔ **Voice-Enabled List Management** - Lets you select key contacts in the phonebook for Name Dialing, if you have chosen to activate only selected names.

1.3 About this manual

1.3.1 Typographical conventions

[TEXT] Text enclosed in square brackets refers to a soft key.
bold Text set in bold letters denotes elements of the user interface.

- ➔ *Soft keys are special keys on your mobile phone with variable functions. These functions are dependent upon the current application being used.*

2 Installing VoiceDialerPro

To install VoiceDialerPro:

1. After downloading VoiceDialerPro, run `smartvoice-voicedialer<version number>.exe` to start the installation.
2. Follow the instruction on the screen and finish the installation process.

Once you have installed the voice dialing application, you can use the full features of the application for 7 days without registering it.

3 Registering VoiceDialerPro

After installing VoiceDialerPro, it has two modes: Try Mode and Buy Mode.

3.1 Try Mode

After installing VoiceDialerPro and before you enter a valid Registration Number, VoiceDialerPro is in *Try Mode*, where it can be used instantly. The usage time is limited to 7 days starting from first installation.

At start-up, VoiceDialerPro will show a warning message to inform you that the trial license is expiring and the software must be bought to enter a Registration Number.

3.2 Buy Mode

During the trial period or after the trial license expires, you can choose to purchase a full license, where the usage has no time limit.

Once you have purchased VoiceDialerPro, you will be emailed and asked to reply for the IMEI or ESN of your device. Please take note that the IMEI or ESN is the number displayed by the application in the *Try Mode*. To speed up the processing, it is suggested that you input the IMEI or ESN in the UserID field when you place your order.

An email will be sent back to you that contain the Registration Number for the device. After you enter a valid Registration Number, VoiceDialerPro is in *Buy Mode*.

4 Using VoiceDialerPro

4.1 Getting Started

4.1.1 Fine-tuning the microphone

To improve the speech recognition accuracy, you should fine-tune the microphone:

1. Tap **Start** → **Settings** → **System** → **Microphone** (or Microphone AGC or iPaq Audio).
2. Set the automatic gain control (AGC) to **OFF**.
3. Set the microphone gain to medium level (for all Pocket PC devices).

4.1.2 Activating VoiceDialerPro using the VoiceDialerPro button

After installation, VoiceDialerPro automatically sets the Calendar button as a Quick key to start VoiceDialerPro. To assign another button to activate VoiceDialerPro:

1. Tap **Start** → **Setting** → **Buttons**.
2. On the Button screen, tap the button that you want to assign.
3. Select **VoiceDialerpro** in the **Button** assignment box.
4. When done, tap **OK**.

4.2 Starting VoiceDialerPro

To start VoiceDialerPro, tap the VoiceDialerPro icon,  in the Main View. **Tip:** After installation, VoiceDialerPro automatically sets the Calendar button as a Quick key to start VoiceDialerPro. *Please refer to Section 4.1.2 to learn more on reassigning another button as a Quick key.*



4.3 Activating Contacts for Voice Recognition

When you first start VoiceDialerPro, it loads all the contact names from your contact list application and automatically activates all the names, up to 10000, for voice dialing. No training or voice recording is necessary and the application is ready to use. If you have more than 10000 contacts, VoiceDialerPro activates the first 10000 contacts from the contact list for voice dialing.

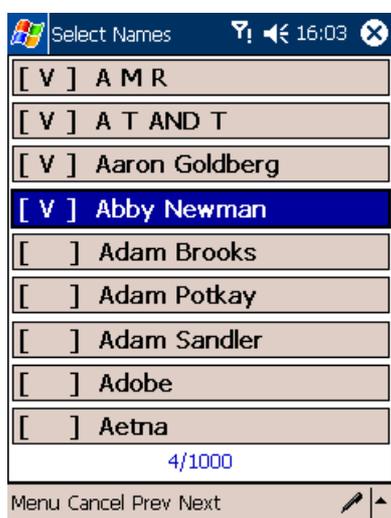
If you have added or changed contacts since the last time you used VoiceDialerPro, the application automatically reloads the contacts to get the updates for voice dialing.

Tip: To improve recognition accuracy you may want to put your frequently dialed names in the Selected Name list, and configure the application to **Selected Names** mode for voice dialing.

4.3.1 Selecting names to voice-activate

To select:

1. From the Main Screen, press [Menu] and choose **Select names**.



2. Tap the name you want to select/unselect. A selected entry is marked with a "V", meaning it is voice-activated.
3. Press [Menu] and select **Save changes**.
4. Pressing [Menu] allows you to do other functions, such as:
 - **Abort Changes** - To exit the namelist without saving the changes made.
 - **Enable Item** - To select the highlighted entry.
 - **Disable Item** - To unselect the highlighted entry.
 - **Select all** - To select all the entries in the namelist.
 - **Unselect all** - To unselect all entries in the namelist.

Notes:

- An indicator appears at the bottom of the screen, for example, **10/10000**, where 10 is the number of selected entries and 10000 is the total number of contact entries in the Contacts application of the device.

4.4 Calling a Name

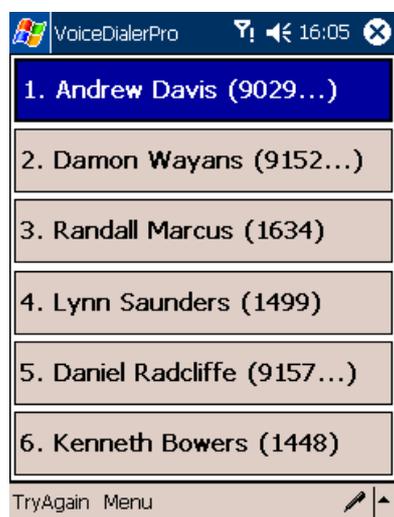
To call a name:

1. Start VoiceDialerPro. You hear "Please say the name."
2. WAIT UNTIL YOU HEAR THE BEEP and say the contact name, for example "James Foster", "Bruce Lee", "Susan", etc.

Note: If you say nothing, VoiceDialerPro will prompt you, "Please repeat." After two tries, voice recognition stops and the Hint box appears.

Tip: If a contact entry has no first name or last name, but has a company name, VoiceDialerPro will automatically activate the company name for recognition.

3. After you say a name, VoiceDialerPro will automatically find the name in the phonebook, and will display up to nine closest matches on the screen.



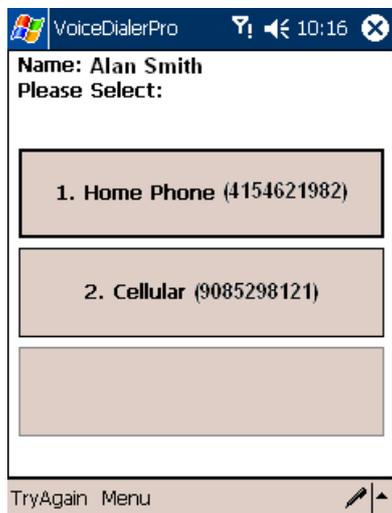
4. Confirm the name in two ways:
 - If outdial confirmation is set to **By voice**, the names will be read out and you can confirm using voice recognition, one at a time. **WAIT UNTIL YOU HEAR THE BEEP** and say "Correct" if correct. Otherwise, say "Not" or "Try Again".

Alternatively, you can select the name by tapping directly the entry.

- If outdial confirmation is set to **By keypress**, you can confirm only by tapping the correct entry.

5. If the contact name has more than one phone number, VoiceDialerPro will prompt you to say "**Home Phone**", "**Office**", "**Cellular**", or "**Mobile**". **WAIT UNTIL YOU HEAR THE BEEP** and speak to select. VoiceDialerPro will dial immediately.

Alternatively, you can select the entry by tapping directly.



4.5 Reloading of Contact Names

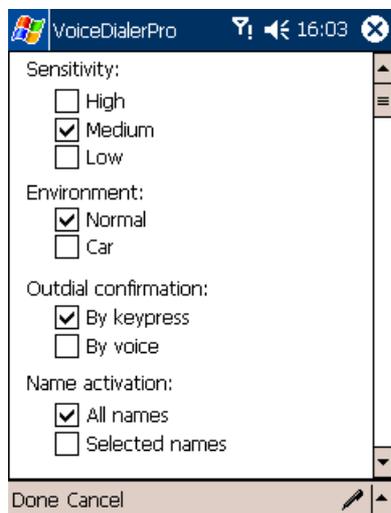
If you have added or removed contacts since the last time you used VoiceDialerPro, the application automatically reloads the contacts list.

If you have only modified an entry and you wish to include it in the recognition, you will need to reload the contacts manually. To do this, go to the Main Screen, tap [Menu] and select **Reload contacts**.

Note: Reloading may take over a minute for a large contact list that has thousands of entries.

5 VoiceDialerPro Settings

VoiceDialerPro has several user configuration settings that you can adjust. In normal usage, you can just use VoiceDialerPro by its default settings without modifying these settings. You may also customize your usage by changing these configuration settings to better suit your needs.



To configure:

1. From the Main Screen, tap [Menu] and select **Config**.
2. Set the value for each setting that you want to configure.
3. When done with all the settings, tap [Done]. Tap [Cancel] to disregard the changes made.

5.1 Sensitivity

In voice dialing, sensitivity influences the balance between rejecting too much, which means it does not recognize names, and rejecting a little, which means it frequently recognizes even if nothing was said.

When it rejects an utterance, VoiceDialerPro displays a message such as “No result found” or a prompt, “Please repeat”. If you frequently experience these messages, you might be able to get better recognition by adjusting the Sensitivity to **High**. On the other hand, VoiceDialerPro also becomes more sensitive to background noise.

If you frequently experience false activations (VoiceDialerPro detects a wrong match), you might be able to get better performance by adjusting the Sensitivity setting to **Low**. On the other hand, VoiceDialerPro also becomes less sensitive to the user’s voice, thus, may return fewer results.

By default, the Sensitivity setting is set to **Medium**. VoiceDialerPro is neither too sensitive nor too tolerant to background noise and to the user’s voice.

5.2 Environment

You may have the best recognition accuracy, especially around normal environment, such as in the office, at home, or in a quiet street. In such cases, you may just set the Environment setting to **Normal**.

If you have problems with accuracy and you are in a noisy environment, such as while driving a car, accuracy rates might be increased if you set the Environment setting to **Car**.

5.3 Outdial confirmation

After VoiceDialerPro has recognized an utterance, it will display up to nine closest matches on the screen. You can select the mode you wish to confirm the correct name.

For hands-free operations, you may set the Outdial confirmation setting to **By voice**. Otherwise, you may set the Outdial confirmation setting to **By keypress** and select the correct name by tapping.

5.4 Name activation

You can change the Name activation setting to set which names can be voice-activated.

If you wish to voice-activate all the entries in the contact list, you may set the Name activation setting to **All names**. If you wish to voice-activate only some selected entries in the contact list, you may set the Name activation setting to **Selected names**.

6 Support

For technical enquiries or assistance, please contact us at:

SmartVoice International Incorporated
Email: support@SmartVoiceIntl.com