



Voice Dialer Pro 1.0.2 User Documentation

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1. Introduction

Voice Dialer Pro is the premier voice recognition solution for the Treo® 600 and Treo® 650. It enables the user to dial any phone number, launch any application, or initiate a wide variety of system commands (i.e. Find, Create New Memo, Fetch Email, etc...) by simply using their voice.

2. System Requirement

- Treo® 600 or 650 with voice recording compatibility.
- 200K of free memory.

2.1 Compatibility

- Handspring® or Palm® Treo 600 and Treo® 650

3. Installation

To install Voice Dialer Pro you will need to install the following files and then press the HotSync® button on the cradle. The HotSync® manager will install the files on to your Palm. You can double click on each file to put it into the Hotsync® queue or drag and drop all the files on the InstallTools Window.

- | | |
|------------------------|--------------------------------------|
| 1. VoiceDialerPro.prc | - Main program |
| 2. VoiceDialer_US.prc | - English voice prompt files |
| 3. VoiceLib.prc | - Main Voice library |
| 4. VoiceLibReg.prc | - Used for Registering Voice Library |
| 5. VoiceLibSupport.prc | - Support Voice Library |
| 6. VoiceLibFilter.prc | - Support Voice Library |

Note: All the files must be installed to RAM and cannot be installed on to the external SD card.

4. Launching Voice Dialer Pro™

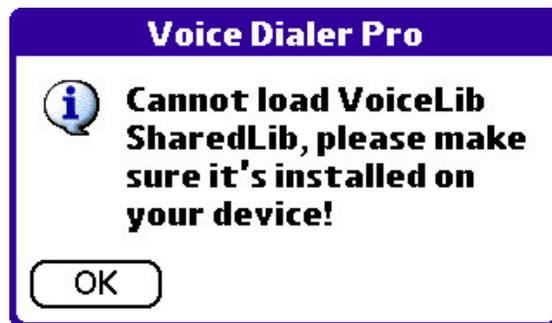
To launch Voice Dialer Pro, look for the icon



the Treo® 600 or the



Treo® 650 in the Launcher and tap on it. If you get the following error message after you have launched Voice Dialer Pro™, then you did not install all the voice libraries correctly. Refer to section 3. Installation.



5. User Interface

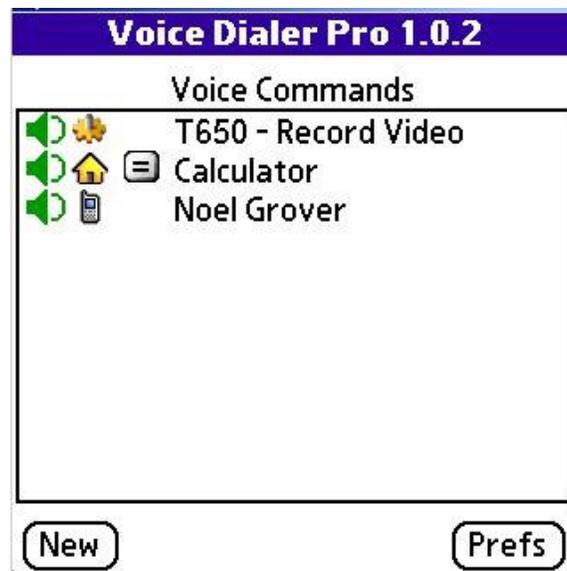


Diagram 1: Main Screen.

Buttons

-  Creates a new voice command.
-  Edit the selected voice command. When editing you cannot change the display name, you can only change the voice command.
-  Plays the selected voice command.
-  Deletes the selected voice command.
-  Sets the Voice Dialer Pro Preferences.

Icons



The voice command has a voice tag attached



The voice command is a System command



This voice command is a Voice Dial command

5.1 Creating a New Voice Command

To create a new voice command, tap on the New button in the main screen. Then select the CMD Action type: Launch Application, System Command, or Voice Dialer. Please read below for details on each.



Diagram 2: Key Activation screen

Cmd Action: **Launch Application**
System Commmand
Voice Dialer

The type of action you want for the voice command.

Currently there are three choices: Launch Application, System Command, and Voice Dialer.

Launch Application

When you select a Launch Application action, you must select an application to launch from the Application popup list.

System Command

When you select a System Command action, you must select a command from the System Command popup list.

Voice Dialer

When you select a Voice Dialer action, you must enter the phone number to associate to the voice command. You can use the look up feature to find the phone number and contact name in the Contacts database.

CMD Name: Memo Pad.....

This is the display name for the voice command. If the action is a Launch Application, and if the CMD Name field is blank, the application name will be used.

Application: ▼ Memo Pad 

The application to launch.

System Cmd: ▼ Prefs - Date & Tim

The system command to use.

Phone No.: 555-5555 Look

The phone number to dial for a Voice Dialer command. You can enter any valid phone number here. Use the Look button to do a phone number lookup in the Contacts database. After selection of number the Contact field will be filled in with contact name.

Contact: Joe.....

The display name that will be showing in the main list.

Status:

This is the status indicator when you are recording a new voice command. The status will show **Listen....**

5.1.1 Recording a Voice Command



New Voice Command

Cmd Action: ▼ Launch Application

Application: ▼ Calculator 

Status:

To record a voice command, tap on the Record button, or press the Quick Start Button. Then after you see the status change to "Listening..." and after you hear the beep wait .5 to 1 seconds to speak the voice command clearly. **Please note: It is important to speak as naturally as you can and keep it short. You only have 2 seconds to record the command.**



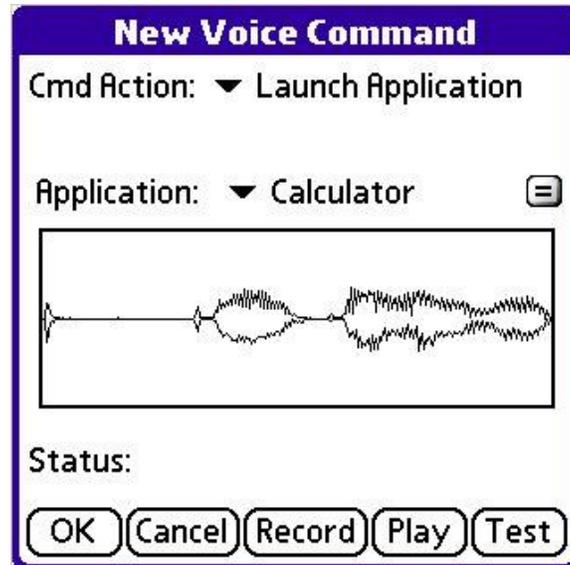
New Voice Command

Cmd Action: ▼ Launch Application

Application: ▼ Calculator 

Status: Listening...

After you have recorded the voice command you can play it back. If the voice command is clear, then tap on the OK button to save it. If you would like to re-record the command, then tap on the Record button again.

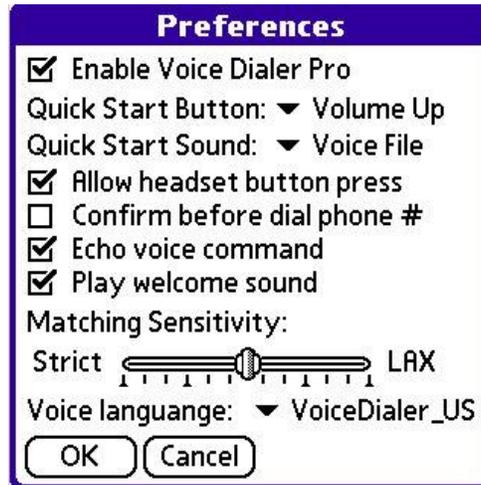


To test the recognition, tap on the Test button. Now speak the recorded voice command and you will see the Confidence value. If you can consistently get the Confidence value in the high 80%, then the command is good. **Please note: When using a wired or wireless headset make sure to record the voice command via the headset.**

Hints: When recording a voice command make sure:

1. There are no LOUD background noises.
2. Speak the voice command clearly and naturally.
3. Make Voice commands that don't sound the same. Try to make them unique
4. Speak the voice commands at the same distance from the microphone.

6. Preferences



Enable Voice Dialer Pro

To utilize Voice Dialer Pro™, this must be checked. When upgrading to a newer version of Voice Dialer Pro™, you must uncheck it and then re-check it after you installed the upgrade.

Quick Start Button:

Activation method. This is the button to activate Voice Dialer Pro™. Please note: Enable must be checked in order for this activation method to work.

Quick Start Sound:

When Voice Dialer Pro™ is activated, you will hear pre-recorded voice playback. i.e "Please say the contact name after the beep".

Allow headset button press

If a wired and wireless headset is attached and has a button

Confirm before dial phone

If you want to confirm the phone number before the phone number is dialed, then check this checkbox.

Echo voice command

If you want the voice command to be heard, then check this checkbox.

Play welcome sound

If this is checked, you will hear the Voice Dialer Pro™ greeting.

Matching Sensitivity:

Matching Sensitivity adjusts the recognition parameters of the Voice Dialer Pro™ engine. If no match is found, adjust more to the LAX setting, and try again. If it dials a wrong contact, make more strict, and try again. Please note: If you have a cold, you would set the Matching Sensitivity to more LAX.

Voice language: ▼ VoiceDialer_US

The Voice language setting allows you to select what language to use for playback of voice prompts. Please note: This does not mean you are limited to speaking only English. Voice Dialer Pro™ will work with any spoken language.

7. Voice Dialer Pro™ limitations

- If the voice command sounds similar, then it will pick the first matching command.
- Does not work well if the voice command has too much background noise.
- Only supports two seconds of recording for each voice command.
- Does not support dialing by speaking the phone numbers e.g.: 555...

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