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SmartSKey for Pocket PC
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1. Introduction

SmartSKey is a small program on Pocket PC that changes some behaviors of the softkey and the volume key of the PDA/phone. The program is originally design for HTC Wizard. But it should also work for other PDA/phone in WM5.

Basically, the main purpose of the program is the change the behavior of the softkey so that holds the left softkey will popup the start menu; hold the right soft key will close current window; and press the volume buttons will like pressing page up/down. The program is designed to overcome the shortcoming that HTC Wizard doesn't have the hardware close button like the newer HTC prophet that make one hand operation a lot difficult.

The program doesn't have any user interface, and will not have. However, it comes with use customizable ini file so that user can change the setting using this ini file. The program will not write anything into registry.

2. Installation

- a. create a directory in your PDA, put it in Main Memory or Storage Card is okay. If you want to use the overclock feature, you should make a directory in Main Memory because the program need the receive an notification after wakup if overclock features is need.
- b. Copy smartskey.exe and smartskey.ini into the directory, if you want overclock

feature, also copy omapclock.exe into the same directory.

c. Run smartscopy, nothing should be shown on the screen, but the program is running already. Tap and hold the softkey to see if it takes effects.

3. Un-installation

a. run smartscopy.exe once, a popup will be shown, tap “Yes” to close the program.

b. delete the folder that store smartscopy

c. check /windows/startup to see if there is any shortcut that link to smartscopy.

d. Make a soft reset. **All mapped keys will have no function afterwards before next reset.**

4. Usage

The program will remap the softkey buttons and volume buttons:

tap soft key = original soft key functions

tap and hold left soft key = start menu

tap and hold right soft key = close/ok button

volume slider at the left = page up/down

Some behaviors can be customized using the ini file. The program can also be a wrapper to omapclock.exe so that the clock speed can be set after wakeup or the PDA/phone.

Moreover, the application will also remap the DPAD button, so that it allows user to do some action when DPAD is pressed in Phone application of a PDA phone. E.g. open Contacts/Text Messaging/Quick Dial/Call History.

5. Setting

The package come will a default ini file, you can edit the ini file if you want to edit some setting. The program will also work without the ini file, default setting will be used.

The following is the editable setting in ini file:

[MAIN] Section

LSKEY=1 (0 or 1)

Set LSKEY to 1 if you want to override Left Soft Key (DEFAULT 1)

RSKEY=1 (0 or 1)

Set RSKEY to 1 if you want to override Right Soft Key (DEFAULT 1)

VOLKEY=1 (0 or 1)

Set VOLKEY to 1 if you want to override Volume Key (DEFAULT 1)

DPAD=1 (0 or 1)

Set DPAD to 1 if you want to use dpad to do some actions in phone app:

Default setting is

Up: Quick Dial

Left: Messaging

Right: Contacts

Down: Call Log

If can change the mapping by:

DUP=x

DDOWN=x

DLEFT=x

DRIGHT=x

Where x means:

0: Do nothing

1: Call Log

2: Quick Dial

3: Contacts

4: Messaging

OKKEY=1 (0 or 1)

Set OKKEY to 1 allows phone with OK button (e.g. Prophet) does force close function (use with CLOSEAPP, EXCEPTIONLIST)

CLOSEAPP=1 (0 or 1)

Set CLOSEAPP to 1 if you want to close app instead of hiding it using the left

soft key. (DEFAULT 0)

STARTONREBOOT=1 (0 or 1)

Set STARTONREBOOT=1 to 1 if you the program to be start automatically during reboot. (DEFAULT 0) If this parameter is set, the program will add a shortcut to /windows/startup automatically so that during next reboot, smartskey will be started automatically. If user don't want the program to create the shortcut, please set it to 0.

VOLUMEONPHONE=1 (0 or 1)

Set VOLUMEONPHONE=1 if you want to set volume using volume key in phone app (DEFAULT 1). Use with VOLKEY. If VOLKEY is set, the volume key will be used as PageUp/PageDown buttons. If VOLUMEONPHONE is set, when the topmost application is the phone, the volume buttons will be used as change volume again so that you can change the volume easily during the phone call.

VOLUMEONTODAY=1 (0 or 1)

Set VOLUMEONTODAY=1 if you want to set volume using volume key in today (DEFAULT 1).

PAGEONEXPLORE=1 (0 or 1)

Set PAGEONEXPLORE=1 if you want to use soft key to scroll page in "Programs" (DEFAULT 1). Normally, the soft key is useless in "Programs", if this value is set, user can use the soft key as a page up/down in "Programs".

STARTMENUMETHOD=0 (0 or 1)

SmartSKey Provides two methods to popup start menu. If this parameter is set to 0, it will simulate a start key key press. If it is set to 1, it will simulate a mouse event to tap the windows menu icon. The second method is used when: 1. you have remapped the start key for other purpose. 2. You have remapped the start icon to other launcher, if you use the second method, it will call the launcher instead of the default start menu.

REMOVEDUPSDDAEMON=0 (0 or 1)

Only for HTC Wizard. The function is originally not related to SmartSkey. The HTC Wizard contains a program called sddaemon that is the voice command program for wizard. It contains a bug that it will automatically create one more

notification for each reboot. It will make the program slower and slower after a number of reboot and overflow the notification system. To set this to 1 will automatically remove the duplicated notification event. If you are a user of Wizard, it is suggested to set it to 1. The flag is harmless for other machines.

OMAPCLOCK=240 (any number)

The function is for PDA with OMAP CPU only. Please use this function only you know what you are doing.

Thanks for intruders to make the wonderful OMAP overclock program; the program can be downloaded here:

<http://forum.xda-developers.com/viewtopic.php?t=40284>

The program work flawlessly in my Wizard, but the clock speed will be reset after wakeup. To set this parameter to a clock speed that you want, SmartSKey will automatically create the necessary notification event so that the clock speed will be correctly after the wake up of the PDA/phone. The event will be deleted when SmartSKey is closed. For your reference, I have set the CPU clock to 240 without problem for a whole week.

[EXCEPTIONLIST] Section

If you set CLOSEAPP to 1, all windows will be closed using the soft key. In WM5, startup of program is slower than previously version, so you may want to hide some most frequently used applications instead of closing it to speed up the operation. This section is used for this purpose, all applications with same title or class name as in the list will be hide instead of close. Maximum of 16 titles can be set. You can set some mostly used one that take a long time to start. e.g. Messaging. Or some program that you want it to hide more than close, e.g. Pocket MSN, Massager.

For class name, you cannot easily see it, I am using Spy to check it that is one of the development tool. Attached is the class name of some application that will change title:

Opera: opera
Opera: OpWindow
Mobipocket Reader: Mobipocket Reader

*should put both class name in exception list.

6. Ordering

SmartSKey is freeware, which means that you can use it free of charge. However, SmartSKey is still copyright, you are not allowed to put SmartSKey into cdrom/other media or sell it in any form.

If you find SmartSKey is useful, I would like to have a postcard with a beautiful stamp of your country :> You can mail it to,

LOU Chi Wai
416, Han Ching House, Yee Ching Court
Shamshuipo, HONG KONG

Or, if you want to donate money, you can send through paypal using my email address water@waterworld.com.hk

7. Known Bugs

DPAD function may not work with TOMTOM.

8. History

0.60 (2007-08-23)

Fixed: Make DPAD function work on WM6

Fixed: Fix DPAD function not compatible with TomTom

0.56 (2006-11-17)

Added: Can read both Unicode or UTF-8(ASCII) INI File.

Fixed: Fix compatibility with CeleDial

0.55 (2006-11-15)

Fixed: Compatible with CeleDial

Fixed: DPAD function will call default Contacts/Text Messaging instead of calling original Contacts/Text Messaging directly. So if you have installed any third party replacement, it will be called when DPAD in Phone app is pressed.

0.54 (2006-11-06)

Fixed: Endless loop when using “OK” button of keyboard in Wizard.

0.53 (2006-06-23)

Fixed: DPAD on will not affect TomTom and calendar

Fixed: remove notification routine will remove all paths so that it will not prompt wrong notification path anymore when user change the location of the smartskey.exe

0.52 (2006-03-26)

Fixed: DPAD functions still apply in SmartDial dialog.

0.51 (2006-03-20)

Fixed: Can use volume key to switch to vibrate, off mode by volume slider

Fixed: Exception List will not check the classname of the window as well, so you can also put applications that will change title in the list.

Added: change the behavior of the dpad, and user can set the action for each direction using DUP, DDOWN, DLEFT, DRIGHT

0.5 (2006-03-19)

Add: DPAD, use dpad for additional action (call log, messaging, programs, contacts) in phone app.

Add: VOLUMEONTODAY, volume key will check the topmost app is today or not

Fixed: improve force closed function.

0.41 (2006-03-11)

Fixed: will not overwrite ini files

Fixed: make executable smaller

Added: PAGEONEXPLORE, use soft key to scroll page in “Programs”

0.4 (2006-02-25)

Fixed: rewrite force closed function again

Added: VOLUMEONPHONE, volume key will check the topmost app is phone or not

Added: REMOVEDUPSDDAEMON, automatically remove duplicated sddaemon events.

Added: OMAPCLOCK, omapclock wrapper to set clock automatically after wake up.

Added: STARTMENU METHOD, provide alternate method to popup start menu.

0.3

Fixed: rewrite force closed function, no hang with arcobat reader 2.0

0.2

Added: ini file support for setting (smartskey.ini), copy it to the same folder that stored smartskey.exe. The ini file is stored in unicode, you can open it using notepad.

Added: only remap some of the buttons (LSKEY, RSKEY, VOLKEY)

Added: can close windows instead of hide windows (CLOSEAPP)

Add: exception list that if CLOSEAPP=1, all windows with same title as in the exception list will hide instead of close, it is useful to keep some mostly used apps running (e.g. contacts, messaging)

Add: automatically add shortcut to /Windows/Startup if STARTONREBOOT=1

Add: to run the program again to prompt a message that allow user to quit the program. All mapped keys will have no function afterwards before next reset.

9. Contact

Any comment, please e-mail to water@waterworld.com.hk, or visit www.waterworld.com.hk.