

PSPKVM (v0.3.0)

Getting Started Guide

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Run from binary bundle

1. Download correct binary bundle:
 - If you have a 1.50 kernel PSP:
Download pspkvm-bin-x.x.x-150.zip
 - If you want to run pspkvm on 3.xx OE:
Download pspkvm-bin-x.x.x-slim.zip
2. Extract the zip to PSP's /PSP/GAME/
3. If you want MIDI support, download midi_res.zip and extract it to PSP's /PSP/GAME/pspkvm
4. Here we go!

NOTE: There's also an all-in-one bundle available on download page, which contains MIDI support files. You don't have to download separated midi_res.zip if you choose "all-in-one".

Building from source code

This section is for the ones who are interested in our source code:

trunk svn: <https://pspkvm.svn.sourceforge.net/svnroot/pspkvm/trunk>
v0.3.0 can be checked out from svn:
https://pspkvm.svn.sourceforge.net/svnroot/pspkvm/tag/pspkvm-v0_3_0-20080331
Or from source bundle:
pspkvm-src-0.3.0-20080331.zip

0. You have to prepare the building environment for phoneME at first. Please refer the document from here:
https://phoneme.dev.java.net/content/mr2/buildenv_feature.html#win_setup

Now assume you have installed the building environment by following the above instruction. In Cygwin:

1. unzip the source bundle to a directory
2. cd \${your_source_dir}
3. export JDK_DIR=\${your_jdk_dir} (example: export JDK_DIR=c:/j2sdk1.4.2_16)
4. ./build-ppc-cldc.sh
5. cd psp

Now you should see the success message of phoneME libs building.

6. Make the executable:
 - If build for 1.50 kernel:
make kxploit

You should get pspkvm and pspkvm% directories in this directory, just copy them to your PSP's /PSP/GAME or /PSP/GAME150 directory.

- If build for 3.xx OE:
 make BUILD_SLIM=true
 You should get EBOOT.PBP in this directory, copy it to your PSP's /PSP/GAME/pspkvm directory
- 7. Copy "lib" and "appdb" directory from \${your_source_dir}/midp/build/javacall_psp/output/ into PSP's /PSP/GAME/pspkvm
- 8. unzip midi_res.zip to PSP's /PSP/GAME/pspkvm (If you need MIDI support)

Requirement:

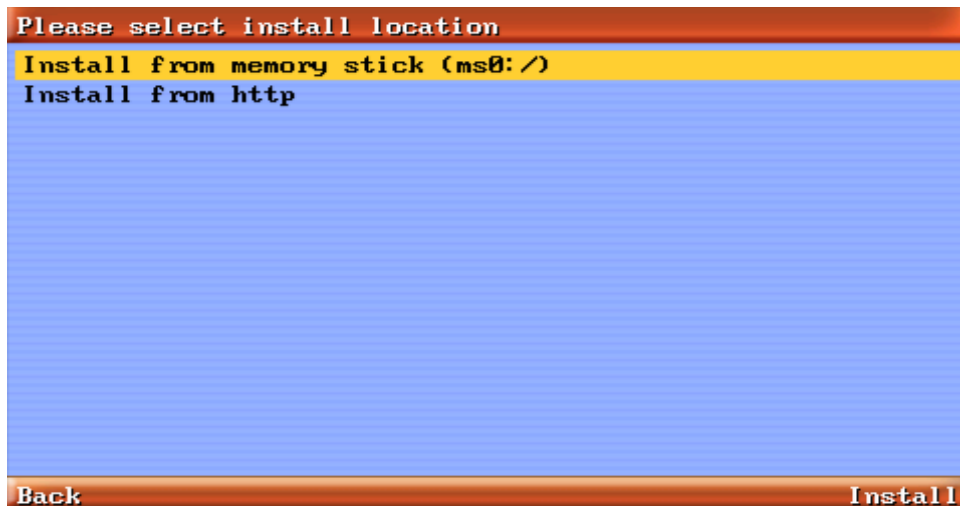
SDL_mixer
libvorbis
libogg

Running tips

- **Run MIDlet from memory stick:**

- 1) Select "Find Application" item in AMS (the item on the top)
- 2) Select "Install from memory stick (ms0:/)"
- 3) Browse the file system of your memory stick now, and select jad or jar to run
- 4) After selected, the jad/jar will be automatically installed and run. You can choose the installed application from AMS next time you want to run.





- **Input text:**

You can't use Qwerty input method on PSP since it's lack of standard keyboard, but there's still other input methods available. In any text input sence, you can popup the menu by Right Soft-button, and change to another input method. I'd suggest to use "abc" to input alphabetics, just like you've done on your phone, input english characters by 0~9,#,* keypad.

- **Key map:**

By default, the key assignment is blow:

NUM0: Cross

NUM1: Square

NUM2: UP

NUM3: Triangle

NUM4: LEFT

NUM5: Shift+Circle

NUM6: RIGHT

NUM7: Shift+Square

NUM8: DOWN

NUM9: Shift+Triangle

*: Shift+SELECT

#: Shift+START

CLEAR: Shift+Cross

SELECT: Circle

Left Soft: SELECT

Right Soft: START

UP/DOWN/LEFT/RIGHT: Analog joy stick

(* "Shift" = holding Left Trigger or Right Trigger)

Left Trigger + Right Trigger + Triangle: Multi-tasking key (Click to return AMS and put MIDlet to background)

Left Trigger + Right Trigger + Cross: Exit current running MIDlet

- **Multi tasking**

In any application, press Left Trigger+Right Trigger+Triangle will put current running MIDlet to background, and AMS screen will be shown. The background running MIDlet is shown in high-lighted, and you can choose another MIDlet to run without stop the previous MIDlet. To bring a background running MIDlet to foreground, just click the MIDlet item from AMS.

Note that currently we only enable 2 MIDlets to run at same time, will allow more in future.

- **Connect to network**

Before a Java MIDlet wants to use network, you need to connect your PSP to network at first. To setup this connection, please select "Network Setup" in AMS(the 2nd item in AMS MIDlets list), then all the wifi connections you've setup in PSP will be listed. Select one and until an alert popup to tell you if it's succeeded. Once it says "Successfully connected by profile xxx", that means your network is setup, and back to AMS and run you MIDlet which uses network.



**Tips for 3.xx OE users: you don't have to setup network in "Network Setup" menu. When the first your MIDlet want to access wifi network, a PSP network setup dialog will popup and prompt you connecting. But it only appears at the first the Java VM want to access network, if you*

disconnected network after setup, you'll have to re-setup network manually by "Network Setup" menu.



- **Select device to emulate**

When user select a jad/jar file from memory stick to run, a "Device Select" menu will appear. Choose you preferred device size and model here, and press CIRCLE key to decide. If want to change the preferred device setting, go back to AMS and move the highlight onto the MIDlet whose setting you want to change, then select "Select Device" from menu.



- **Change default key assignment for specific game**

Default key assignment may not fit your game, you can go to AMS and move the highlight onto the MIDlet whose key assignment you want to change, then select "Select Device" from menu. Change the key setting as what you want.

REMEBER: "Shift" means Left Trigger or Right Trigger.

Device Setting

Select preferred device **J2ME Standard(480*272)**

Set keys assignment:

UP	ANALOG UP	DOWN	ANALOG DOWN
LEFT	ANALOG LEFT	RIGHT	ANALOG RIGHT
NUM1	SQUARE	NUM2	UP
NUM3	TRIANGLE	NUM4	LEFT
NUM5	SHIFT+CIRCLE	NUM6	RIGHT
NUM7	SHIFT+SQUARE	NUM8	DOWN
NUM9	SHIFT+TRIANGLE	NUM0	CROSS

Cancel **Save**