MemoryUp User Manual

MOBILE RAM BOOSTER FOR WINDOWS MOBILE

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Introduction

A mobile device’s performance is limited by its resources, especially its memory or RAM. A common problem faced by vast mobile users is the insufficient working memory to support multiple concurrently running applications. The insufficient memory would cause system slowdown, application failures, or even system crashes.

Our product, MemoryUp, is specially designed to solve this critical issue. By taking control of the Java Virtual Machine (JVM) of your mobile system, it frees system resources and reclaims unused RAM for better use. It enhances cell phone's performance by making more memory available for both applications and the mobile system. As testified by thousands of users worldwide, MemoryUp can effectively tackle memory shortage problems, and substantially improve system stability and application performance.

The enhanced version (of MemoryUp Personal), MemoryUp Pro provides comprehensive functionality and more flexibility to boost your mobile device. It automatically recovers unused memory and optimizes memory allocation in the background. MemoryUp also fixes memory leaks and prevents system from freeze-ups and crashes. It uses many advanced features to keep your smartphone running at optimum speed. And more importantly, it's designed with all users in mind; whether you're an experienced user or a novice, MemoryUp Pro will give you the features you want without confusing or limiting you.

By using MemoryUp, to boost you smartphone is one click away!

Main Features

Here are just some of the great features of MemoryUp Pro:

- Real-time smartphone Memory Status Report & Monitor

MemoryUp Pro gives you professional, easy-to-read status report on smartphone's memory usage. A live chart demonstrates your total available memory and current memory usage. MemoryUp Pro makes it easy to see how well your smartphone is performing, and whether your system is overloaded.

- Setting Your Performance Target

Using MemoryUp Pro's setting function, you can set performance goal fits your profile. MemoryUp Pro works to keep your memory at desired levels, and will act immediately if

memory drops below critical level.

One-click Quick Boosting

In addition to monitoring and reclaiming your memory automatically, MemoryUp Pro allows you to boost your memory manually. By using the Quick Boost feature, you can observe as MemoryUp Pro reclaims more memory for your system. In the mean time, Quick Boost will smartly remember the settings that work best for your smartphone.

Auto-boosting in the Background

Your memory is the most important resource on your smartphone, and how it is used can drastically affect performance. With Auto-boosting feature, MemoryUp Pro can run in the background and automatically reclaim unused memory on your smartphone. It oversees the allocation of memory resources through its unique cache management technique. By using MemoryUp Pro, you don't need to know anything about your Smartphone system; MemoryUp Pro will provide all the technical know-how.

Smartphone Crash Protection

The majority of smartphone crashes come when system resources are inadequate. MemoryUp Pro warns you when your memory reaches a critical point, allowing you to quit the running applications safely before your Smartphone becomes unstable.

And there is more...

Other features include Warning/Auto-recovering RAM when it goes under your preset value, Startup boost (when MemoryUp Pro is launched), advanced boosting features (Force system to use large cache, Prohibit kernel from disk swapping, Auto-allocate critical threads, etc.) for professional Smartphone users, and multiple language support (English, German, Italian and Spanish).

Demo Version

The Demo version has all the features of the full version except for the following:

- Full function
- 30 times usage limitation

FAQ

The Frequently Asked Questions page for MemoryUp contains more recent information and troubleshooting tips, please visit http://www.emobistudio.com/FAQ.html.

Getting Started

Installing MemoryUp

I. Installation Brief

The most usual way to install MemoryUp onto your windows mobile smartphone or pocket PC is to copy the installation files (memoryup.jar and memoryup.jad) to your mobile device. After copying memoryup.jar and memoryup.jad to your device, you can try to run memoryup.jar and memoryup.jad files using mobile phone's File Explorer. If you can successfully launch the MemoryUp installation processes by this means, you can skip the following instructions and start to run MemoryUp on your smartphone.

II. Install & Run MemoryUp with "Esmertec Jbed"

But for some windows mobile customers, you may get the error message:
"There is no application associated with "memoryup". Run the application first and then, open this file inside the application. "

This error is due to your windows mobile system does not provide support for java applications. To add java support/extension to your windows mobile smartphone or pocket PC, you need to install an extra plug-in for your windows mobile handheld, which is the "Esmertec Jbed", and you can download and install "Esmertec Jbed" installation file via link:

http://www.emobistudio.com/download/memoryup_wm/Esmertec_Jbed.cab

Then, please refer to following steps to install and run MemoryUp via "Esmertec Jbed":

1) Download 'Esmertec Jbed.cab' to your PC;

2) Upload and install the above 'Esmertec Jbed.cab' with the 'ActiveSync' to your mobile phone;

3) Upload the "MemoryUp.jad "and "MemoryUp.jar" with 'ActiveSync';

4) Open and install the files of MemoryUp within 'Esmertec Jbed'

If you have any further questions, please feel free to contact us via Support@emobistudio.com. Our support team will always be ready to assist you.

Running MemoryUp

Select the MemoryUp icon in the main menu to start MemoryUp.

Main Window

Real-time Mobile RAM Calculation & Display

MemoryUp will automatically calculate the real-time RAM usage status for your mobile phone. The status info is comprised of Total memory, free memory and used memory (in Bytes). All these RAM usage status will be displayed accurately on the main window of MemoryUp.

One Click to Quick Boost

By clicking "Quick Boost" option in the main menu, you can launch a quick boost operation right away. MemoryUp will intelligently start to check your smartphone's RAM status, defrag and re-allocate free RAM, and finally recover these available RAM. The amount of recovered RAM by quick boost (in Bytes) will be displayed as soon as the quick boost process is finished.

Mobile System Info View

By clicking "System Info" option in the main menu, you can take a detailed view of your smartphone's system deployment info such as "Platform Info", "Java Extension", "JVM RAM", "Locale Info", and "System Encoding", etc.

Boost Log Checking

By clicking "View Log" command in the main menu, you can take a detailed view of your boost log. The log info is comprised of boost type (quick boost/auto boost/startup boost), boost time, and recovered RAM (in Bytes) for each boost, etc.

Basic & Advanced Settings

By clicking "Setting" command in the main menu, you can view and change the settings for MemoryUp. There are two blocks of setting option, which are "Basic Setting" & "Advanced Setting" respectively. By selecting the "Default" option, you can restore all settings to its default value. The following is the detailed guide for each setting item:

➢ **Basic Setting (general setting items)**

- Select language

You can select your favorite language for MemoryUp. Currently MemoryUp supports four different languages, which are English, German, Italian and Spanish.

- Set boost log length to

You can set the length of boost log to 0 (disable log function), 5 or 10 in this setting item. The default setting is "5".

- Time to retry optimization

This item is to set the retry times when errors or interruptions occur in MemoryUp's boost process. The default setting is "3".

- Interval to auto-optimize RAM

User can enable the auto-optimizing function by setting the interval to auto-optimize RAM to 10 mins/30 mins/1 hour/3 hours. If the interval is set, MemoryUp will

automatically boost up RAM for your smartphone according to the time intervals you specified. The default setting is "30 mins".

- Warn me if RAM goes under

MemoryUp will warn you with a alert message when the amount of your smartphone's RAM goes under a specified percent of the total RAM. The default setting is "5%".

- Auto-recover if RAM goes under

By setting this item, MemoryUp will automatically launch a quick boost when the amount of your smartphone's RAM goes under a specified percent of the total RAM. The default setting is "5%".

- Boost at MemoryUp startup

By setting this item, you can choose to enable or disable MemoryUp to issue a startup boost when you start MemoryUp on your smartphone. The default setting is "Yes".

- System crash protection

By setting this item, you can choose to enable or disable MemoryUp to issue a quick boost when it detects a mobile system crash. By doing this, MemoryUp can prevents mobile system crashes from happening. The default setting is "Yes".

➢ Advanced Setting (for professional users)

- Force system to use large cache

This setting item enables user to set up for whether to force your smartphone's system to use large cache. By forcing your system to use large cache, heavy application could take up less space in the systems memory. It doesn't take up unnecessary RAM. The default setting is "Yes".

- Prohibit kernel from disk swapping

By enabling your smartphone to prohibit kernel to swap disk, you can expedite the speed for your light applications. But this function will also cause lots of loose and odd RAM in your system.

Recommendation: If you enable this function, you should also enable the auto-optimization function to allow MemoryUp to allocate and free these odd RAM automatically. The default setting is "No".

- Auto-allocate critical threads

This setting enables MemoryUp to auto-allocate critical threads for your J2ME applications. If you are frequently running multiple J2ME application on your smartphone, we **recommend** you to activate this function. This function will take up some extra system resources. The default setting is "No".

- Remove unused dll from memory

This setting enables MemoryUp to automatically remove unused dll from memory. This function re-allocates and frees some extra RAM for your front-end applications. But this function also takes up some extra system resources. The default setting is "Yes".

- Disable update time stamps

This setting authorizes MemoryUp to enable/disable update time stamps when application on your smartphone is communicating and exchanging data via internet. If you are using application which access to internet frequently, you should set this setting to “NO” so as to stabilize your network connection. The default setting is "No".

Hide & Running MemoryUp in Background

MemoryUp can be hidden to run in the background and to help reclaim wasted memory on your smartphone. It guards the allocation of memory resources through its unique cache management technique. Using this technique, it has the ability to dynamically allocate the cache depending upon the size of memory.
MemoryUp takes up a small space of memory when it runs in the background. It takes care of your memory resources by residing in the system tray, efficiently allocating the memory to be running current or newly added applications. It continues to show the memory that is available, providing you with a status update.

Tips:
If you want to MemoryUp to hide and auto-optimize your smartphone in the background, you should also enable the auto-optimization function in the basic setting to allow MemoryUp to allocate and free these odd RAM automatically.

Check for new version

To check for new version of MemoryUp, firstly you should enter into the "About" Page. By clicking the sub-menu, you can see the "Check for new version" option. Just click to select the option, you will be directly led to our website. There you can check up whether your MemoryUp is up to date. You can also choose to upgrade your MemoryUp by downloading new MemoryUp software package to your PC, or launching an OTA (Over the Air) installation directly from your smartphone.