

READ ME

TAMS 2047 BASIC for Linux Version 12.2-2 for Red Hat Enterprise 4, Red Hat Enterprise 3 and Red Hat Linux 9

March 2007

Systems Supported

TAMS BASIC for Linux 12.2-2 currently supports x86-compatible computers running Red Hat Linux 9.0, Red Hat Enterprise Linux 3, or Red Hat Enterprise 4 Update 3 with one of the uniprocessor or SMP kernels supplied by Red Hat. Customer-built kernels are not supported.

BASIC for Linux currently only supports the following kernels:

- ❑ Red Hat Linux 9 (2.4.20-6)
- ❑ Red Hat Enterprise Linux Workstation 3 (2.4.21-4.EL)
- ❑ Red Hat Enterprise Linux Workstation 3 Update 5 (2.4.21-32.EL)
- ❑ Red Hat Enterprise Linux Workstation 4 Update 3 (2.6.9-34.EL)

Note that you must install the SICL I/O library from the companion T82091 CD-ROM before installing BASIC for Linux.

Quick Installation

The BASIC for Linux 12.22 installation procedure is explained in Chapter 1 of the "Installing and Using BASIC for Linux" manual found on the **TAMS BASIC Documentation CD**. You may follow that procedure or these simple instructions.

1. Insert the installation media into the CD-ROM drive and wait for the busy light to remain off.
2. Login as root.
3. If your system does not automount the CD-ROM, mount the CD-ROM. For example:
`/bin/mount /dev/cdrom /mnt/cdrom`
where `/dev/cdrom` is the device file for your CD-ROM drive and `/mnt/cdrom` is the mount point.
4. Install the RPM package. For example:
`rpm -U /mnt/cdrom/rmb-12.2-2.i386.rpm`
5. Once the installation has completed without errors, unmount the CD. For example:
`/bin/umount /mnt/cdrom`
6. Once the CD is unmounted, remove the media from the drive and store it in a safe place.

Customization

Chapter 1 of the "Installing and Using BASIC for Linux" also provides detailed instructions on how to customize BASIC to the Linux environment. Please, review the following three sections

- Customizing your Linux kernel for BASIC for Linux.
- Customizing your X Windows environment for BASIC for Linux.
- Customizing your BASIC for Linux configuration.

to learn how to customize memory requirements, color maps, fonts, keyboard mappings, and BASIC operating parameters.

Revision Summary

□ **Version 12.2-2**

This version includes the following defect fixes and enhancements:

- The [Scroll Lock] keystroke correctly performs the CLEAR I/O function.
- Selecting [X] to destroy a BASIC window no longer removes main window.
- Keyboard input to BPLUS dialogs is limited to one-byte mode (no Kanji).
- The signals interface was updated to use sigprocmask(2).

□ **Version 12.2-1**

Fixes a defect that prevented the user from loading the FTJ* fonts into memory after having configured them in the BASIC Plus configuration file \$HOME/CONF. This version also adds the path **/opt/rmb/lib** to the dynamic linker configuration file **/etc/ld.so.conf** (if RH Linux 9) or add the file **rmb-i386.conf** with that path to the linker's configuration directory **/etc/ld.so.conf.d** (RH Enterprise Linux).

□ **Version 12.2-0**

Fixes a problem caused by trying to lock the keyboard process in memory without the proper privileges. The problem occurred only with the 2.6.9-34 kernel. This version also improves the BASIC configuration by adding the **/opt/rmb/bin** directory to the shell's search path (Note that login out and login back in is required for that feature to take effect.)

□ **Version 12.1-2**

Fixes a defect in the support for extended character sets (two byte mode), which could have system errors in BASIC programs. This version supersedes 12.1-1.

□ **Version 12.1-1**

Provides limited support for the Japanese environment. In particular, it supports the "ja_JP.SJIS" locale. Please read the file README.JAPAN file for more details.

In addition, this version includes the following defect fixes:

- The SPOLL and PPOLL functions returned incorrect results in 12.0-3.
- There was a defect in the LOAD/STORE statements which could cause corrupt PROG files on STORE, or could corrupt the program on LOAD or LOADSUB.

Version 12.1-1 also adds the following enhancement:

An enhancement has been added which allows BASIC to change which SICL/LAN device it is connected to at run-time. Please, review the file README.FIRST file in the directory **/opt/rmb/newconfig** of the installed product for details on this feature.

□ **Version 12.0-3**

This version adds Compiled Subprograms (CSUBs) support. For more details on this feature, please read the file README.CSUBS in this directory.