

# Installation Notes for CET BASIC Version 6.1X Linux with Serial KeyPlug Support

## Introduction

This release of the CET BASIC is intended for the compilation and/or execution of programs on PC compatibles running the Linux operating system.

CET BASIC Version 6.1X has been compiled and tested under Linux version 1.2.13. If you experience problems with a different Linux release, please contact your CET distributor.

## Installation

The CET BASIC Release 6.1X is delivered on one diskette. To install, please perform the following procedure:

1. Login as superuser in the root directory, by typing:

```
login : root
cd /
```

2. Tar in the installation program called **Binstall** and a file called **Btarfile** which is a tar file of a compressed archive of the release files in cpio format. Enter the following command where *<device>* is a diskette device such as fd0.

```
tar xvf /dev/<device>
```

3. Install the CET BASIC Compiler by executing:

```
./Binstall
```

In addition to loading the CET BASIC software, the **Binstall** program will ask you to attach the CET KeyPlug to a serial port. The current CET Serial KeyPlug is either yellow or purple. If your serial port has a DB-9 connector, you will have to use a gender changing adapter.

You will then be asked to indicate which serial device has the CET KeyPlug installed. For example, if have placed the CET Serial KeyPlug on the second serial device (COM2), you would enter `/dev/ttyS1`.

**Binstall** then executes the CET Security Monitor, `/bin/Bsecmon`, which creates a special file called `/lib/Bsec` for the specified serial port. If this has been done successfully, **Bsecmon** will report that it can locate the CET KeyPlug the second time you attempt to compile a CET BASIC program. (The first time the compiler will report that it can't find the CET KeyPlug.)

## Updating Termcap

Linux uses the environment variable `TERM=linux`. **Brtrm** will report an error if you attempt to run a CET BASIC program with the distribution copy of `/etc/termcap`. (The required `BC` and `BS` entries do not exist.) To correct this problem, we suggest that you replace the existing `/etc/termcap` with `/etc/Btermcap` distributed by CET Software.