

# KThinkBat – The Battery Monitor for the KDE–Kicker

## Description

KThinkBat is a laptop battery monitor for the KDE [Kicker](#) written by Tobias Roeser. It is inspired by the "Battery Maximizer" included with IBM ThinkPads (now Levono).

Although there are already some battery monitor applications for the K–Desktop Environment [KDE](#), they are mostly too small to realize the current battery charge at first blush. Additionally, KThinkBat shows you the current power consumption of the laptop and brings support for a second battery.

### *Features of KThinBat*

- display of current battery full in percent and visual as gauge
- display of the current online/offline state
- display of the current power consumption in W (or A on Asus Laptops)
- optional use of the ThinkPad SMAPI BIOS through the `sysfs` interface provided by the `tp_smapi` [driver](#)

### *License*

KThinkBat is released under the GNU General Public License (GPL) [v2](#), Version 2.

## Screenshots



**Offline Mode:** You see how much power left and how much is consumed at the moment.



**Online Mode:** You see the loading–power.

## Installation

On ThinkPads you can also use the SMAPI BIOS. To do so, you have to install the `tp_smapi` driver (See in the ThinkWiki [v2](#)).

KThinkBat uses the `autotools`. For a standard installation use

```
./configure
make
su -c 'make install'
```

If you use Gentoo [v2](#), you can use my ebuild (from my Portage Overlay). Install with `emerge --ask --verbose app-laptop/kthinkbat`. To enable ThinkPad SMAPI BIOS there is the use flag `tpsmapi`.

## Download

## Stable (but actually not final) Release

- **Source:** kthinkbat-0.1.4.tar.bz2
- **Gentoo ebuild:** kthinkbat-0.1.4.ebuild
- **Ubuntu Breezy:** kthinkbat\_0.1.4-1\_i386.deb (posted by Emmanuel Schroeder)
- **SuSE RPMs** can be found on Frank Seidels Site: <http://f-seidel.de/packages/sl10.0-i586> (SuSE 10.0 i386)  
and also on Guru's RPM Site [☞](#) (SuSE 9.2/9.3/10.0, x86/x86\_64)

⚠ Please post broken links to external sites/packages, Thanks.

## Development Release

- **Latest Development Release:** kthinkbat-0.1.5\_rc1.tar.bz2
- ChangeLog
- for planed features, see TODO

## Subversion access

You have read access to the KThinkBat's Subversion [☞](#) repository as anonymous user. You can checkout the latest versions with the following command:

```
svn co https://lepetitfou.dyndns.org/svn/kthinkbat/trunk kthinkbat-svn
cd kthinkbat-svn
make -f Makefile.cvs
```

For Gentoo [☞](#) users, there is also a `app-laptop/kthinkbat-svn` package in my Portage Overlay, which installs the latest development branch from the subversion repository.

If you plan to contribute to KThinkBat, please mail me.

## Older releases

- Older versions: Download Area
- Older ebuilds: Portage Overlay

## Bugs, Problems, Feature Requests

Please report Bugs, Problems, Feature Requests or Suggestions to TobiasRoeser.

For a list of planned features see the TODO file from the distribution.

See also the detailed Changelog.

### Bugs:

Bug No.	Type	State	Description
#KTB001	Feature Request	closed	If you have an ASUS laptop, maybe <code>/proc/acpi/battery/BAT0/{state,info}</code> get values in <i><b>mAh</b></i> instead of <i><b>mWh</b></i> . This will be corrected in version 0.1.4

## Links

- ThinkWiki [🔗](#): Good resources for all ThinkPads users. There is a separate KThinkBat site [🔗](#), with a buch of patches for KThinkBat
- Linux Kernel Driver for the ThinkPad SMAPI BIOS: [tp\\_smapi](#) [🔗](#)
- K–Desktop Environment (KDE) [🔗](#)
- [kde-apps.org](#) [🔗](#): Collection of usefull KDE–Applications including KThinkBat [🔗](#)
- TuxMobil [🔗](#): Linux Laptop and Notebook Installation Survey for Lenovo (former IBM)
- Gentoo Forums [🔗](#): one of the best Linux (and of course Gentoo [🔗](#)) related forums
- [khdapsmon](#) [🔗](#): HDAPS Driver Monitor from Andrew Barr

***Releated topics:*** GentooCorner, GentooPortageOverlay, GentooThinkPadR50