

# Compiling PHP-GTK

To compile `php-gtk`, you need the following packages:

```
sudo aptitude install php5-dev php5-gd libgtk2.0-dev libglade2-dev build-essentials
```

When trying to use the `buildconf.sh`, you might encounter the following error:

```
~/php-gtk-2.0.1$ ./buildconf
Configuring for:
PHP Api Version:      20041225
Zend Module Api No:   20060613
Zend Extension Api No: 220060519
rebuilding aclocal.m4
rebuilding configure
configure.in:77: warning: LTOPTIONS_VERSION is m4_require'd but not m4_defun'd
aclocal.m4:2912: LT_INIT is expanded from...
aclocal.m4:2947: AC_PROG_LIBTOOL is expanded from...
configure.in:77: the top level
configure.in:77: warning: LTSUGAR_VERSION is m4_require'd but not m4_defun'd
configure.in:77: warning: LTVERSION_VERSION is m4_require'd but not m4_defun'd
configure.in:77: warning: LTOBSOLETE_VERSION is m4_require'd but not m4_defun'd
configure:12242: error: possibly undefined macro: m4_ifval
      If this token and others are legitimate, please use m4_pattern_allow.
      See the Autoconf documentation.
configure:15849: error: possibly undefined macro: _LT_SET_OPTIONS
configure:15849: error: possibly undefined macro: LT_INIT
make[1]: *** [configure] Error 1
make: *** [all] Error 2
```

which leaves the `configure-script` in a broken state. The problem is that the newer `libtool.m4` has been split into different files. To make it work, you have to concatenate the different files back into the `libtool`.

```
$ cd /usr/share/aclocal
$ sudo cp libtool.m4 libtool.m4~backup
$ sudo chmod 777 libtool.m4
$ sudo cat lt~obsolete.m4 ltoptions.m4 ltsugar.m4 ltversion.m4 >>libtool.m4
$ sudo chmod 644 libtool.m4
```

After that, unpack a **clean** `php-gtk` source and try again.

```
~/php-gtk-2.0.1$ ./buildconf
~/php-gtk-2.0.1$ ./configure
```



```
~/php-gtk-2.0.1$ make
~/php-gtk-2.0.1$ sudo make install
```

After enabling the new extension in the `php.ini`, you should be able to use the [Gtk2-Frontend for PEAR](#).

```
sudo pear install --alldeps pear/PEAR#gtk2installer
```

You can now run the graphical installer using the following command:

```
sudo pear -G
```