GoPro Open Source Software Notice

HERO9 Black includes open source software component packages as listed in the Table below. Please refer to the full HERO9 Black Open Source Software Notice document for more details on the components, their respective licenses and terms and conditions of their use.

For information about HERO8 Black and previous camera models, please refer to the article HERE and HERE.

Contents
HERO9 Black Open Source Package List
Application Layer Packages
Other Packages
Source Code Packages Available for Download

HERO9 Black Open Source Package List

<table>
<thead>
<tr>
<th>PACKAGE NAME</th>
<th>PACKAGE VERSION</th>
<th>LICENSE</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>avahi-daemon</td>
<td>0.6.31</td>
<td>GPLv2+ &amp; LGPLv2.1+</td>
<td><a href="http://avahi.org">http://avahi.org</a></td>
</tr>
<tr>
<td>base-files</td>
<td>3.0.14</td>
<td>GPLv2</td>
<td><a href="http://www.debian.org">http://www.debian.org</a></td>
</tr>
<tr>
<td>busybox</td>
<td>1.23.1</td>
<td>GPLv2 &amp; bzip2</td>
<td><a href="http://www.busybox.net">http://www.busybox.net</a></td>
</tr>
<tr>
<td>busybox-syslog</td>
<td>1.23.1</td>
<td>GPLv2 &amp; bzip2</td>
<td><a href="http://www.busybox.net">http://www.busybox.net</a></td>
</tr>
<tr>
<td>busybox-udhcpc</td>
<td>1.23.1</td>
<td>GPLv2 &amp; bzip2</td>
<td><a href="http://www.busybox.net">http://www.busybox.net</a></td>
</tr>
<tr>
<td>connman</td>
<td>1.28</td>
<td>GPLv2</td>
<td><a href="http://connman.net/">http://connman.net/</a></td>
</tr>
<tr>
<td>connman-client</td>
<td>1.28</td>
<td>GPLv2</td>
<td><a href="http://connman.net/">http://connman.net/</a></td>
</tr>
<tr>
<td>connman-tools</td>
<td>1.28</td>
<td>GPLv2</td>
<td><a href="http://connman.net/">http://connman.net/</a></td>
</tr>
<tr>
<td>dbus-1</td>
<td>1.8.10</td>
<td>AFL-2</td>
<td>GPLv2+</td>
</tr>
<tr>
<td>e2fsprogs</td>
<td>1.42.9</td>
<td>GPLv2 &amp; LGPLv2 &amp; BSD &amp; MIT</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
<tr>
<td>e2fsprogs-badblocks</td>
<td>1.42.9</td>
<td>GPLv2</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
<tr>
<td>e2fsprogs-e2fsck</td>
<td>1.42.9</td>
<td>GPLv2</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
<tr>
<td>e2fsprogs-mke2fs</td>
<td>1.42.9</td>
<td>GPLv2</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
</tbody>
</table>
| iperf               | 2.0.5           | BSD-2-Clause          | http://software.es.net/iperf/
<table>
<thead>
<tr>
<th>Package</th>
<th>Version</th>
<th>License</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>iperf3</td>
<td>3.0.10+gitrAUTOINC+de420cc741</td>
<td>BSD</td>
<td><a href="http://software.es.net/ipperf/">http://software.es.net/ipperf/</a></td>
</tr>
<tr>
<td>iptables</td>
<td>1.4.21</td>
<td>GPLv2+</td>
<td><a href="http://www.netfilter.org/projects/iptables/">http://www.netfilter.org/projects/iptables/</a></td>
</tr>
<tr>
<td>kmod</td>
<td>19+gitAUTOINC+fd56638aed</td>
<td>GPL-2.0+ &amp; LGPL-2.1+</td>
<td><a href="http://packages.profusion.mobi/kmod/">http://packages.profusion.mobi/kmod/</a></td>
</tr>
<tr>
<td>libacl1</td>
<td>2.2.52</td>
<td>LGPLv2.1+</td>
<td><a href="http://savannah.nongnu.org/projects/acl/">http://savannah.nongnu.org/projects/acl/</a></td>
</tr>
<tr>
<td>libattr1</td>
<td>2.4.47</td>
<td>LGPLv2.1+</td>
<td><a href="http://savannah.nongnu.org/projects/attr/">http://savannah.nongnu.org/projects/attr/</a></td>
</tr>
<tr>
<td>libavahi-common3</td>
<td>0.6.31</td>
<td>GPLv2+ &amp; LGPLv2.1+</td>
<td><a href="http://avahi.org">http://avahi.org</a></td>
</tr>
<tr>
<td>libavahi-core7</td>
<td>0.6.31</td>
<td>GPLv2+ &amp; LGPLv2.1+</td>
<td><a href="http://avahi.org">http://avahi.org</a></td>
</tr>
<tr>
<td>libblkid1</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td><a href="https://github.com/karelzak/util-linux/tree/master/libblkid">https://github.com/karelzak/util-linux/tree/master/libblkid</a></td>
</tr>
<tr>
<td>libboost-filesystem1.57.0</td>
<td>1.57.0</td>
<td>BSL-1.0 &amp; MIT &amp; Python-2.0</td>
<td><a href="http://www.boost.org/">http://www.boost.org/</a></td>
</tr>
<tr>
<td>libboost-system1.57.0</td>
<td>1.57.0</td>
<td>BSL-1.0 &amp; MIT &amp; Python-2.0</td>
<td><a href="http://www.boost.org/">http://www.boost.org/</a></td>
</tr>
<tr>
<td>libboost-thread1.57.0</td>
<td>1.57.0</td>
<td>BSL-1.0 &amp; MIT &amp; Python-2.0</td>
<td><a href="http://www.boost.org/">http://www.boost.org/</a></td>
</tr>
<tr>
<td>libc6</td>
<td>2.21</td>
<td>GPLv2 &amp; LGPLv2.1</td>
<td><a href="https://www.gnu.org/software/libc/">https://www.gnu.org/software/libc/</a></td>
</tr>
<tr>
<td>libc6-dev</td>
<td>2.21</td>
<td>GPLv2 &amp; LGPLv2.1</td>
<td><a href="https://www.gnu.org/software/libc/">https://www.gnu.org/software/libc/</a></td>
</tr>
<tr>
<td>libc6-extra-nss</td>
<td>2.21</td>
<td>GPLv2 &amp; LGPLv2.1</td>
<td><a href="https://www.gnu.org/software/libc/">https://www.gnu.org/software/libc/</a></td>
</tr>
<tr>
<td>libc6-thread-db</td>
<td>2.21</td>
<td>GPLv2 &amp; LGPLv2.1</td>
<td><a href="https://www.gnu.org/software/libc/">https://www.gnu.org/software/libc/</a></td>
</tr>
<tr>
<td>libcap2</td>
<td>2.24</td>
<td>BSD</td>
<td>GPLv2</td>
</tr>
<tr>
<td>libcidn1</td>
<td>2.21</td>
<td>GPLv2 &amp; LGPLv2.1</td>
<td></td>
</tr>
<tr>
<td>libcom-err2</td>
<td>1.42.9</td>
<td>GPLv2 &amp; LGPLv2 &amp; BSD &amp; MIT</td>
<td></td>
</tr>
<tr>
<td>libcrypto1.0.0</td>
<td>1.0.2a</td>
<td>openssl</td>
<td><a href="http://www.openssl.org/">http://www.openssl.org/</a></td>
</tr>
<tr>
<td>libdaemon0</td>
<td>0.14</td>
<td>LGPLv2.1+</td>
<td><a href="http://0pointer.de/lennart/projects/libdaemon/">http://0pointer.de/lennart/projects/libdaemon/</a></td>
</tr>
<tr>
<td>libdbus-1-3</td>
<td>1.8.10</td>
<td>AFL-2</td>
<td>GPLv2+</td>
</tr>
<tr>
<td>libe2fsprogs</td>
<td>1.42.9</td>
<td>GPLv2 &amp; LGPLv2 &amp; BSD &amp; MIT</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
<tr>
<td>Library</td>
<td>Version</td>
<td>License</td>
<td>Website</td>
</tr>
<tr>
<td>------------------</td>
<td>---------</td>
<td>------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>libexpat1</td>
<td>2.1.0</td>
<td>MIT</td>
<td><a href="http://expat.sourceforge.net/">http://expat.sourceforge.net/</a></td>
</tr>
<tr>
<td>libext2fs2</td>
<td>1.42.9</td>
<td>GPLv2 &amp; LGPLv2 &amp; BSD &amp; MIT</td>
<td><a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a></td>
</tr>
<tr>
<td>libffi6</td>
<td>3.2.1</td>
<td>MIT</td>
<td><a href="https://sourceware.org/libffi/">https://sourceware.org/libffi/</a></td>
</tr>
<tr>
<td>libcrypt</td>
<td>1.6.2</td>
<td>GPLv2+ &amp; LGPLv2.1+</td>
<td><a href="http://directory.fsf.org/project/libcrypt/">http://directory.fsf.org/project/libcrypt/</a></td>
</tr>
<tr>
<td>libglib-2.0-0</td>
<td>2.42.1</td>
<td>LGPLv2+ &amp; BSD &amp; PD</td>
<td><a href="http://ftp.gnome.org/pub/gnome/sources/glib/">http://ftp.gnome.org/pub/gnome/sources/glib/</a></td>
</tr>
<tr>
<td>libglog0</td>
<td>0.3.3</td>
<td>BSD</td>
<td><a href="https://code.google.com/p/google-glog/">https://code.google.com/p/google-glog/</a></td>
</tr>
<tr>
<td>libgmp10</td>
<td>6.0.0</td>
<td>GPLv2</td>
<td>LGPLv3</td>
</tr>
<tr>
<td>libgnutls28</td>
<td>3.3.12</td>
<td>LGPLv2.1+</td>
<td><a href="http://www.gnu.org/software/gnutls/">http://www.gnu.org/software/gnutls/</a></td>
</tr>
<tr>
<td>libgpg-error0</td>
<td>1.18</td>
<td>GPLv2+ &amp; LGPLv2.1+</td>
<td><a href="http://www.gnupg.org/related_software/libgpg-error/">http://www.gnupg.org/related_software/libgpg-error/</a></td>
</tr>
<tr>
<td>libkmod2</td>
<td></td>
<td>LGPL-2.1+</td>
<td><a href="http://packages.profusion.mobi/kmod/">http://packages.profusion.mobi/kmod/</a></td>
</tr>
<tr>
<td>liblzma5</td>
<td>5.2.0</td>
<td>PD</td>
<td><a href="https://tukaani.org/xz/">https://tukaani.org/xz/</a></td>
</tr>
<tr>
<td>libmount1</td>
<td>2.25.2</td>
<td>GPLv2 &amp; LGPLv2.1+ &amp; BSD</td>
<td></td>
</tr>
<tr>
<td>libnl-3-200</td>
<td>3.2.25</td>
<td>LGPLv2.1</td>
<td><a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a></td>
</tr>
<tr>
<td>libnl-3-cli</td>
<td>3.2.25</td>
<td>LGPLv2.1</td>
<td><a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a></td>
</tr>
<tr>
<td>libnl-3-genl</td>
<td>3.2.25</td>
<td>LGPLv2.1</td>
<td><a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a></td>
</tr>
<tr>
<td>libnl-nf-3-200</td>
<td>3.2.25</td>
<td>LGPLv2.1</td>
<td><a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a></td>
</tr>
<tr>
<td>libnl-route-3-200</td>
<td>3.2.25</td>
<td>LGPLv2.1</td>
<td><a href="http://www.infradead.org/~tgr/libnl/">http://www.infradead.org/~tgr/libnl/</a></td>
</tr>
<tr>
<td>libnss-mdns</td>
<td>0.1</td>
<td>LGPLv2.1+</td>
<td><a href="https://archive.mozilla.org/pub/security/nss/releases/">https://archive.mozilla.org/pub/security/nss/releases/</a></td>
</tr>
<tr>
<td>libreadline6</td>
<td>6.3</td>
<td>GPLv3+</td>
<td></td>
</tr>
<tr>
<td>libss2</td>
<td>1.42.9</td>
<td>GPLv2 &amp; LGPLv2 &amp; BSD &amp; MIT</td>
<td></td>
</tr>
<tr>
<td>libssl1.0.0</td>
<td>1.0.2a</td>
<td>openssl</td>
<td><a href="http://www.openssl.org/">http://www.openssl.org/</a></td>
</tr>
<tr>
<td>Package</td>
<td>Version</td>
<td>License</td>
<td>Notes</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------</td>
<td>---------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>libtinfo5</td>
<td>5.9</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>libunwind</td>
<td>1.1</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>libuuid1</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td></td>
</tr>
<tr>
<td>libx11-6</td>
<td>1.6.2</td>
<td>MIT &amp; MIT-style &amp; BSD</td>
<td></td>
</tr>
<tr>
<td>libxau6</td>
<td>1.0.8</td>
<td>MIT-style</td>
<td></td>
</tr>
<tr>
<td>libxcb-xkb1</td>
<td>1.11</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>libxcb1</td>
<td>1.11</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>libxdmcp6</td>
<td>1.1.1</td>
<td>MIT-style</td>
<td></td>
</tr>
<tr>
<td>libxkbcommon</td>
<td>0.5.0</td>
<td>MIT &amp; MIT-style</td>
<td></td>
</tr>
<tr>
<td>libz1</td>
<td>1.2.8</td>
<td>Zlib</td>
<td><a href="http://zlib.net/">http://zlib.net/</a></td>
</tr>
<tr>
<td>linux-libc-headers-dev</td>
<td>3.19</td>
<td>GPLv2</td>
<td></td>
</tr>
<tr>
<td>linux</td>
<td>linux-4.4.15</td>
<td>GPLv2</td>
<td><a href="http://www.kernel.org">http://www.kernel.org</a></td>
</tr>
<tr>
<td>mtpserver</td>
<td>1.0.0</td>
<td>Apache-1.0</td>
<td></td>
</tr>
<tr>
<td>ncurses-terminfo-base</td>
<td>5.9</td>
<td>MIT</td>
<td><a href="http://invisible-mirror.net/archives/ncurses/">http://invisible-mirror.net/archives/ncurses/</a></td>
</tr>
<tr>
<td>netbase</td>
<td>5.3</td>
<td>GPLv2</td>
<td></td>
</tr>
<tr>
<td>nettle</td>
<td>2.7.1</td>
<td>LGPLv2.1 &amp; GPLv2</td>
<td><a href="https://ftp.gnu.org/gnu/nettle/">https://ftp.gnu.org/gnu/nettle/</a></td>
</tr>
<tr>
<td>openssl</td>
<td>1.0.2a</td>
<td>openssl</td>
<td><a href="http://www.openssl.org/">http://www.openssl.org/</a></td>
</tr>
<tr>
<td>openssl-conf</td>
<td>1.0.2a</td>
<td>openssl</td>
<td><a href="http://www.openssl.org/">http://www.openssl.org/</a></td>
</tr>
<tr>
<td>os-release</td>
<td>1</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>packagegroup-core-boot</td>
<td>1</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>run-postinsts</td>
<td>1</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>shadow</td>
<td>4.2.1</td>
<td>BSD</td>
<td>Artistic-1.0</td>
</tr>
<tr>
<td>shadow-base</td>
<td>4.2.1</td>
<td>BSD</td>
<td>Artistic-1.0</td>
</tr>
<tr>
<td>shadow-securetty</td>
<td>4.2.1</td>
<td>MIT</td>
<td><a href="http://pkg-shadow.alioth.debian.org">http://pkg-shadow.alioth.debian.org</a></td>
</tr>
<tr>
<td>strace</td>
<td>4.9</td>
<td>BSD</td>
<td><a href="http://strace.sourceforge.net">http://strace.sourceforge.net</a></td>
</tr>
<tr>
<td>systemd</td>
<td>219-stable+gitAUTOINC+85a6fabdd3</td>
<td>GPLv2 &amp; LGPLv2.1 &amp; MIT</td>
<td><a href="http://www.freedesktop.org/wiki/Software/systemd">http://www.freedesktop.org/wiki/Software/systemd</a></td>
</tr>
<tr>
<td>Package</td>
<td>Version</td>
<td>License</td>
<td>URL</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------</td>
<td>-----------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>systemd-compat-units</td>
<td>1</td>
<td>MIT</td>
<td><a href="http://www.freedesktop.org/wiki/Software/systemd">http://www.freedesktop.org/wiki/Software/systemd</a></td>
</tr>
<tr>
<td>systemd-serialgetty</td>
<td>1</td>
<td>GPLv2+</td>
<td><a href="http://www.freedesktop.org/wiki/Software/systemd">http://www.freedesktop.org/wiki/Software/systemd</a></td>
</tr>
<tr>
<td>udev</td>
<td>219-stable+gitAUTOINC+85a6fabdd3</td>
<td>GPLv2 &amp; LGPLv2.1 &amp; MIT</td>
<td><a href="https://www.freedesktop.org/software/">https://www.freedesktop.org/software/</a></td>
</tr>
<tr>
<td>udev-hwdb</td>
<td>219-stable+gitAUTOINC+85a6fabdd3</td>
<td>GPLv2 &amp; LGPLv2.1 &amp; MIT</td>
<td><a href="https://www.freedesktop.org/software/">https://www.freedesktop.org/software/</a></td>
</tr>
<tr>
<td>update-alternatives-opkg</td>
<td>0.1.8+gitAUTOINC+53274f0875</td>
<td>GPLv2+</td>
<td><a href="https://github.com/shr-project/opkg/blob/master/utils/updatealternatives.in">https://github.com/shr-project/opkg/blob/master/utils/updatealternatives.in</a></td>
</tr>
<tr>
<td>update-rc.d</td>
<td>0.7</td>
<td>GPLv2+</td>
<td></td>
</tr>
<tr>
<td>util-linux-agetty</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td><a href="https://www.kernel.org/pub/linux/utils/util-linux/">https://www.kernel.org/pub/linux/utils/util-linux/</a></td>
</tr>
<tr>
<td>util-linux-fsck</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td><a href="https://www.kernel.org/pub/linux/utils/util-linux/">https://www.kernel.org/pub/linux/utils/util-linux/</a></td>
</tr>
<tr>
<td>util-linux-mount</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td><a href="https://www.kernel.org/pub/linux/utils/util-linux/">https://www.kernel.org/pub/linux/utils/util-linux/</a></td>
</tr>
<tr>
<td>util-linux-sulogin</td>
<td>2.25.2</td>
<td>GPLv2+ &amp; LGPLv2.1+ &amp; BSD</td>
<td><a href="https://www.kernel.org/pub/linux/utils/util-linux/">https://www.kernel.org/pub/linux/utils/util-linux/</a></td>
</tr>
<tr>
<td>volatile-binds</td>
<td>1</td>
<td>MIT</td>
<td></td>
</tr>
<tr>
<td>wireless-tools</td>
<td>30.pre9</td>
<td>GPLv2 &amp; (LGPLv2.1</td>
<td>MPL-1.1</td>
</tr>
<tr>
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**Application Layer Packages**
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### Source Code Packages available for download

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
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Version 2, June 1991

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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with the complete corresponding machine-readable source code, which must be distributed under the
terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small
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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library"
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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