

## Starlink Open Source Components License Notices

Last Updated: December 11, 2024

Library	Version	License
<b>User Terminal</b>		
<a href="#">BoringSSL</a>		<a href="#">ISC / MIT / OpenSSL / SSLeay</a>
<a href="#">CivetWeb</a>		<a href="#">Potentially: Civetweb; Lua; SQLite3; Isqlite3; LuaXML; Duktape; zlib</a>
<a href="#">Eigen</a>		<a href="#">MPL2</a>
<a href="#">Flatbuffers</a>		<a href="#">Apache 2.0</a>
<a href="#">Go Standard Library</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go automaxprocs</a>		<a href="#">MIT</a>
<a href="#">Go backoff</a>		<a href="#">MIT</a>
<a href="#">Go clock</a>		<a href="#">MIT</a>
<a href="#">Go compress</a>		<a href="#">Apache 2.0</a>
<a href="#">Go conn</a>		<a href="#">Apache 2.0</a>
<a href="#">Go cors</a>		<a href="#">MIT</a>
<a href="#">Go crypto</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go dtls</a>		<a href="#">MIT</a>
<a href="#">Go errwrap</a>		<a href="#">MPL-2.0 license</a>
<a href="#">Go fsnotify</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go gRPC</a>		<a href="#">Apache 2.0</a>
<a href="#">Go generic List</a>		<a href="#">BSD 3-Clause</a>
<a href="#">Go genproto</a>		<a href="#">Apache 2.0</a>
<a href="#">Go go-flags</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go go-ordered-map</a>		<a href="#">Apache 2.0</a>
<a href="#">Go grpc-web</a>		<a href="#">Apache 2.0</a>
<a href="#">Go host</a>		<a href="#">Apache 2.0</a>
<a href="#">Go logrus</a>		<a href="#">MIT</a>

Library	Version	License
<a href="#">Go multierror</a>		<a href="#">MPL-2.0 license</a>
<a href="#">Go net</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go periph</a>		<a href="#">Apache 2.0</a>
<a href="#">Go pgx</a>		<a href="#">MIT</a>
<a href="#">Go pion_logging</a>		<a href="#">MIT</a>
<a href="#">Go protobuf</a>		<a href="#">BSD 3-Clause</a>
<a href="#">Go struc</a>		<a href="#">MIT</a>
<a href="#">Go sys</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go text</a>		<a href="#">BSD-3-Clause</a>
<a href="#">Go timer</a>		<a href="#">MIT</a>
<a href="#">Go transport</a>		<a href="#">MIT</a>
<a href="#">Go websocket</a>		<a href="#">ISC</a>
<a href="#">Go yaml</a>		<a href="#">MIT</a>
<a href="#">half.cc</a>		<a href="#">BSD 3-Clause</a> Copyright (c) 2002, Industrial Light & Magic, a division of Lucas Digital Ltd. LLC
<a href="#">H3</a>		<a href="#">Apache 2.0</a>
<a href="#">Linux Headers</a>		<a href="#">GPL-2.0</a>
<a href="#">Prometheus</a>		<a href="#">MIT</a>
<a href="#">Protobuf</a>		<a href="#">Google Specific License</a>
<a href="#">RE2</a>		<a href="#">BSD 3-Clause</a>
<a href="#">ZStandard</a>		<a href="#">BSD</a>
<a href="#">abseil-cpp</a>		<a href="#">Apache 2.0</a>
<a href="#">bitops</a>		<a href="#">MIT</a>
<a href="#">c-ares</a>		<a href="#">MIT</a>
<a href="#">curl</a>		<a href="#">MIT/X Derivative</a>
<a href="#">gFlags</a>		<a href="#">BSD 3-Clause</a>

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<a href="#">gLog</a>		<a href="#">BSD 3-Clause</a>
<a href="#">gRPC</a>		<a href="#">Apache 2.0/CC4.0</a>
<a href="#">libcurl</a>		<a href="#">MIT/X Derivative</a>
<a href="#">libgcc</a>		<a href="#">GPLv3 (plus GCC Runtime Library Exception)</a>
<a href="#">libpcap</a>		<a href="#">BSD 3-Clause</a>
<a href="#">libstdc++</a>		<a href="#">GPLv3</a>
<a href="#">libunwind</a>		<a href="#">MIT</a>
<a href="#">libuuid</a>		<a href="#">BSD 3-Clause</a>
<a href="#">lzfx</a>		<a href="#">BSD 3-Clause</a>
<a href="#">musl</a>		<a href="#">MIT</a>
<a href="#">openlibm</a>		<a href="#">MIT/ISC/BSD 2-Clause/FDLIBM</a>
<a href="#">xxHash</a>		<a href="#">BSD 2-Clause</a>
<a href="#">zlib</a>		<a href="#">Custom zlib license</a>
uboot		<a href="#">GPL-2.0+</a>
st-arm-trusted-firmware		<a href="#">BSD-3c</a>
apparmor	3.1.2	<a href="#">GPL-2.0</a>
libapparmor	3.1.2	<a href="#">LGPL-2.1</a>
audit	3.1.1	<a href="#">GPL-2.0+ (programs), LGPL-2.1+ (libraries)</a> <a href="https://github.com/linux-audit/audit-userspace?tab=readme-ov-file">https://github.com/linux-audit/audit-userspace?tab=readme-ov-file</a>
bsdiff	4.3	<a href="#">BSD-2-Clause</a>
bzip2	1.0.8	<a href="#">bzip2 license</a>
ncurses	6.4-20230429	<a href="#">MIT with advertising clause</a> <a href="https://github.com/mirror/ncurses?tab=License-1-ov-file#readme">https://github.com/mirror/ncurses?tab=License-1-ov-file#readme</a>
e2fsprogs	1.46.5	<a href="#">GPL-2.0</a> , MIT-like with advertising clause (libss and libet)
busybox	1.36.0	<a href="#">GPL-2.0</a> , bzip2-1.0.4

Library	Version	License
libzlib	1.2.13	<a href="#">Custom zlib license</a>
util-linux	2.38	<a href="#">GPL-2.0+</a> , BSD-4-Clause, LGPL-2.1+ (libblkid, libfdisk, libmount), BSD-3-Clause (libuuid), ISC (rfkill)
i2c-tools	4.3	<a href="#">GPL-2.0+</a> , GPL-2.0 (py-smbus), LGPL-2.1+ (libi2c)
iproute2	6.1.0	<a href="#">GPL-2.0+</a>
iptables	1.8.9	<a href="#">GPL-2.0</a> <a href="https://www.netfilter.org/licensing.html">https://www.netfilter.org/licensing.html</a>
libnfnetlink	1.0.2	<a href="#">GPL-2.0</a>
libcap	2.65	<a href="#">GPL-2.0 or BSD-3-Clause</a>
libmnl	1.0.5	<a href="#">LGPL-2.1+</a>
iputils	20221126	<a href="#">GPL-2.0+</a> , BSD-3-Clause
mtdev	2.1.5	<a href="#">GPL-2.0</a> <a href="https://layers.openembedded.org/layerindex/recipe/334716/">https://layers.openembedded.org/layerindex/recipe/334716/</a>
netcat	0.7.1	<a href="#">GPL-2.0+</a>
sysklogd	2.4.4	<a href="#">BSD-3-Clause</a>
boringsssl	5416e4f16	<a href="#">OpenSSL</a>
cryptsetup	2.6.1	<a href="#">GPL-2.0+ (programs)</a> , LGPL-2.1+ (library)
json-c	0.16	<a href="#">MIT</a>
libargon2	20190702	<a href="#">CC0-1.0 or Apache-2.0</a>
libaio	0.3.113	<a href="#">LGPL-2.1+</a>
popt	1.19	<a href="#">MIT</a>
ethtool	6.1	<a href="#">GPL-2.0</a>
iperf3	3.12	<a href="#">BSD-3-Clause</a> , <a href="#">BSD-2-Clause</a> , <a href="#">MIT</a>
jitterentropy-library	3.4.1	<a href="#">GPL-2.0</a> or <a href="#">BSD-3-Clause</a>
libevent	2.1.12	<a href="#">BSD-3-Clause</a> , <a href="#">OpenBSD</a>
libffi	3.4.4	<a href="#">MIT</a>
libpcap	1.10.3	<a href="#">BSD-3-Clause</a>

Library	Version	License
linux	custom	<a href="#">GPL-2.0+</a> , BSD-4-Clause, LGPL-2.1+, BSD-3-Clause, ISC
zstd	1.5.2	<a href="#">BSD-3-Clause</a>
lrzsz	0.12.20	<a href="#">GPL-2.0+</a>
memtester	4.5.1	<a href="#">GPL-2.0</a>
micropython-lib	1.9.3	<a href="#">Python-2.0 (some modules)</a> , MIT (everything else)
mii-diag	2.11	<a href="#">AGPL v3</a>
mmc-utils	dfc3b6ecda84d21 418fb4408b39c5c7 1db4c6458	<a href="#">GPL-2.0</a>
openssh	9.6p1	<a href="#">BSD-3-Clause</a> , <a href="#">BSD-2-Clause</a> , <a href="#">Public Domain</a>
pcre	8.45	<a href="#">BSD-3-Clause</a>
rng-tools	6.16	<a href="#">GPL-2.0</a>
stm32flash	0.7	<a href="#">GPL-2.0+</a>
socat	1.7.4.4	<a href="#">GPL-2.0</a> with <a href="#">OpenSSL exception</a>
strace	6.1	<a href="#">LGPL-2.1+</a>
stress	1.0.5	<a href="#">GPL-2.0+</a> <a href="https://github.com/resurrecting-open-source-projects/stress?tab=GPL-2.0-1-ov-file">https://github.com/resurrecting-open-source-projects/stress?tab=GPL-2.0-1-ov-file</a>
sysstat	12.6.1	<a href="#">GPL-2.0+</a>
tcpdump	4.99.4	<a href="#">BSD-3-Clause</a>
thrift	0.14.1	<a href="#">Apache-2.0</a>
trace-cmd	2.9.7	<a href="#">GPL-2.0</a> , <a href="#">LGPL-2.1</a>
boost	1.80.0	<a href="#">BSL-1.0</a>
micropython	v1.19.1	<a href="#">MIT</a> , <a href="#">BSD-1-Clause</a> , <a href="#">BSD-3-Clause</a> , <a href="#">Zlib</a>

Software	Version	License
<b>WiFi Platform</b>		
Linux		<a href="#">GPLv2</a>
OpenWRT		<a href="#">GPLv2</a>
OpenWRT Packages		<ul style="list-style-type: none"> <li>• ISC</li> <li>• MIT</li> <li>• GPLv1</li> <li>• GPLv2</li> <li>• BSD-2-Clause</li> <li>• BSD-3-Clause</li> <li>• Linux Syscall Note</li> </ul>
<b>WiFi Control</b>		
Go Programming Language		Golang Specific License
benbjohnson_clock		<a href="#">MIT</a>
go_ping_ping		<a href="#">MIT</a>
golang_protobuf		<a href="#">BSD-3-Clause</a>
hashicorp_go_multirror		<a href="#">MPLv2</a>
jessevdk_go_flags		<a href="#">BSD-3-Clause</a>
miekg_dns		<a href="#">BSD-3-Clause</a>
mxk_go_flowrate		<a href="#">BSD-3-Clause</a>
prometheus_procfs		<a href="#">Apache-2.0</a>
sirupsen_logrus		<a href="#">MIT</a>
io_periph_x_periph		<a href="#">Apache-2.0</a>
org_golang_google_protobuf		<a href="#">BSD-3-Clause</a>
org_golang_google_grpc		<a href="#">Apache-2.0</a>
org_golang_x_crypto		<a href="#">BSD-3-Clause</a>
org_golang_x_sys		<a href="#">BSD-3-Clause</a>
st_bug_go_serial		<a href="#">BSD-3-Clause</a>
<b>Terminal Control</b>		

Software	Version	License
Go Programming Language		Golang Specific License
jessevdk_go_flags		<a href="#">BSD-3-Clause</a>
sirupsen_logrus		<a href="#">MIT</a>
org_golang_google_grpc		<a href="#">Apache-2.0</a>
org_golang_google_protobuf		<a href="#">BSD-3-Clause</a>