

# **XMG3927-B50A**

## **Swisscom**

Firmware Release Note

V5.13(ABQO.1)b5\_D0

Date: July 26, 2024  
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Reviewer: Howard

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<b>INTERNAL MODIFICATIONS IN 5.13(ABQO.0)D0</b> .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
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<b>INTERNAL MODIFICATIONS IN 5.13(ABQO.0)B2_C0</b> .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>INTERNAL MODIFICATIONS IN 5.13(ABQO.0)B2_D0</b> .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>

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**INTERNAL MODIFICATIONS IN 5.13(ABQO.0)B1\_C0 ERROR! BOOKMARK NOT DEFINED.**

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## Revision History

<b>Date</b>	<b>Release</b>	<b>Author</b>	<b>Description</b>
2019/3/4	1.0	Raghu	V5.13(ABQO.0)b1_D0
2019/3/4	1.1	Raghu	V5.13(ABQO.0)b1_C0
2019/3/4	1.2	Raghu	V5.13(ABQO.0)b1_E0
2019/3/15	1.3	Raghu	V5.13(ABQO.0)b2_D0
2019/3/15	1.4	Raghu	V5.13(ABQO.0)b2_C0
2019/3/15	1.5	Raghu	V5.13(ABQO.0)b2_E0
2019/3/19	1.6	Raghu	V5.13(ABQO.0)D0
2019/3/19	1.7	Raghu	V5.13(ABQO.0)C0
2019/3/19	1.8	Raghu	V5.13(ABQO.0)E0
2021/11/23	1.9	Raghu	V5.13(ABQO.1)b1_D0
2021/11/23	2.0	Raghu	V5.13(ABQO.1)b1_C0
2021/11/23	2.1	Raghu	V5.13(ABQO.1)b1_E0
2021/12/20	2.2	Raghu	V5.13(ABQO.1)b2_D0
2021/12/20	2.3	Raghu	V5.13(ABQO.1)b2_C0
2021/12/20	2.4	Raghu	V5.13(ABQO.1)b2_E0
2023/03/17	2.5	Raghu	V5.13(ABQO.1)b3_D0
2023/03/17	2.6	Raghu	V5.13(ABQO.1)b3_C0
2023/03/17	2.7	Raghu	V5.13(ABQO.1)b3_E0
2023/05/12	2.8	Raghu	V5.13(ABQO.1)b4_D0
2023/05/12	2.9	Raghu	V5.13(ABQO.1)b4_C0
2023/05/12	3.0	Raghu	V5.13(ABQO.1)b4_E0
2024/07/26	3.1	Alston	V5.13(ABQO.1)b5_D0
2024/07/26	3.2	Alston	V5.13(ABQO.1)b5_C0
2024/07/26	3.3	Alston	V5.13(ABQO.1)b5_E0

## Zyxel XMG3927-B50A Swisscom V5.13(ABQO.1)b5\_D0 Release Note

Date: July 26, 2024

### Supported Platforms:

Zyxel XMG3927-B50A

### Versions:

Bootbase Version: V1.60 | 11/14/2021 01:03:18

Firmware version : V5.13(ABQO.1)b5\_D0

Kernel version: 3.4.11

Annex A/B DSL modem code version: A2pvfbH043j2.d26u

DSL driver version: d26u

BRCM WLAN code version: 7.14.164.23

3G dongle WWAN package version: 1.18

### Notes:

Bsa version command : bsa\_cli version

uname -a

adsl --version

wl ver

wwanpackage info

### Default Settings in Firmware

- Refer to the \*.rom in the fw release package.
- Please use the website <http://jsoneditoronline.org/> to open the \*.rom.

## Public Domain Software Announcements

Open Source Used In Product	Version	From (Source)	License Terms	Modified / Used
ares	1.1.1	<a href="ftp://athena-dist.mit.edu/pub/ATHENA/ares">ftp://athena-dist.mit.edu/pub/ATHENA/ares</a>	OTHER	Modified
atftp	0.7.1	<a href="https://sourceforge.net/projects/atftp/">https://sourceforge.net/projects/atftp/</a>	GPLv2	Modified
bridge-Utills	1.5	<a href="https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/">https://git.kernel.org/pub/scm/linux/kernel/git/shemminger/bridge-utils.git/</a>	GPLv2	Modified
busybox	1.20.1	<a href="https://busybox.net/">https://busybox.net/</a>	GPLv2	Modified
bwm	1.1.0.org	<a href="ftp://ftp.sangoma.com/linux/utilities/">ftp://ftp.sangoma.com/linux/utilities/</a>	GPLv2	Used
clinkc	2.4	<a href="https://sourceforge.net/projects/clinkc/">https://sourceforge.net/projects/clinkc/</a>	BSD	Modified
contrack-tools	1.4.3	<a href="https://git.netfilter.org/contrack-tools/">https://git.netfilter.org/contrack-tools/</a>	GPLv2	Used
dnsmasq	2.67	<a href="http://www.thekelleys.org.uk/dnsmasq/doc.html">http://www.thekelleys.org.uk/dnsmasq/doc.html</a>	GPLv2/GPLv3	Modified
dropbear	2018.76	<a href="https://github.com/mkj/dropbear">https://github.com/mkj/dropbear</a>	MIT	Modified
ebtables	2.0.10-4	<a href="https://git.netfilter.org/ebtables/">https://git.netfilter.org/ebtables/</a>	GPLv2	Modified
eventlog	0.2.10	<a href="https://github.com/balabit/eventlog">https://github.com/balabit/eventlog</a>	BSD	Used
expat	1.95.8	<a href="https://github.com/libexpat/libexpat">https://github.com/libexpat/libexpat</a>	MIT	Used
ez-ipupdate	3.0.11b8	<a href="http://ez-ipupdate.com/">http://ez-ipupdate.com/</a>	GPLv2	Modified
gettext	0.16.1	<a href="http://www.gnu.org/software/gettext/">http://www.gnu.org/software/gettext/</a>	GPLv2	Used
glib	2.37.7	<a href="http://www.gtk.org/">http://www.gtk.org/</a>	LGPLv2	Used
iproute2	2.6.33	<a href="https://github.com/shemminger/iproute2">https://github.com/shemminger/iproute2</a>	GPLv2	Modified
iptables	1.4.16.3	<a href="https://git.netfilter.org/iptables/">https://git.netfilter.org/iptables/</a>	GPLv2	Modified
jpegsrc	v9a	<a href="http://www.iij.org/">http://www.iij.org/</a>	IJG	Used
json-c	0.12	<a href="https://github.com/json-c/json-c/downloads">https://github.com/json-c/json-c/downloads</a>	MIT	Modified
libedit	20080712-2.11	<a href="http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/">http://pkgs.fedoraproject.org/repo/pkgs/libedit/libedit-20080712-2.11.tar.gz/</a>	BSD	Modified
libffi	3.0.11	<a href="http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/">http://pkgs.fedoraproject.org/repo/pkgs/libffi/libffi-3.0.11.tar.gz/</a>	MIT	Used
libiconv	1.11.1	<a href="http://www.gnu.org/software/libiconv/">http://www.gnu.org/software/libiconv/</a>	LGPLv2	Modified
libnetfilter_conntrack	1.0.4	<a href="https://git.netfilter.org/libnetfilter_conntrack/">https://git.netfilter.org/libnetfilter_conntrack/</a>	GPLv2	Used
libnetfilter_ct	1.0.0	<a href="https://netfilter.org/about.html">https://netfilter.org/about.html</a>	GPLv2	Modified

helper				
libnetfilter_ctti	1.0.0	<a href="https://netfilter.org/about.html">https://netfilter.org/about.html</a>	GPLv2	Modified
meout				
libnetfilter_queue	1.0.2	<a href="https://git.netfilter.org/libnetfilter_queue/">https://git.netfilter.org/libnetfilter_queue/</a>	GPLv2	Used
libnfnetlink	1.0.1	<a href="https://git.netfilter.org/libnfnetlink/">https://git.netfilter.org/libnfnetlink/</a>	GPLv2	Used
libnl-tiny	0.1	<a href="https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny">https://github.com/openwrt/openwrt/tree/master/package/libs/libnl-tiny</a>	GPLv2/LGPLv2.1	Used
libpcap	1.1.1	<a href="http://www.tcpdump.org">www.tcpdump.org</a>	BSD	Used
libsrtplib	1.4.2	<a href="https://github.com/cisco/libsrtplib">https://github.com/cisco/libsrtplib</a>	BSD 3Clauses	Modified
libtool	2.4	<a href="http://www.gnu.org/software/libtool/">http://www.gnu.org/software/libtool/</a>	GPLv2	Used
libusb	1.0.9	<a href="https://sourceforge.net/projects/libusb/">https://sourceforge.net/projects/libusb/</a>	LGPL 2.1	Used
Linux/MIPS Kernel	3.4.11	<a href="http://www.linux-mips.org">http://www.linux-mips.org</a>	GPLv2	Modified
logrotate	3.7.1	<a href="https://launchpad.net/ubuntu/hardy/i386/logrotate/">https://launchpad.net/ubuntu/hardy/i386/logrotate/</a>	GPLv2	Modified
mailsend	1.17b15	<a href="https://github.com/muquit/mailsend/">https://github.com/muquit/mailsend/</a>	BSD	Modified
nbtscan	1.5.1a	<a href="http://www.inetcat.org/software/nbtscan.html">http://www.inetcat.org/software/nbtscan.html</a>	GPLv2	Modified
ncurses	5.7	<a href="http://ftp.gnu.org/pub/gnu/ncurses/">http://ftp.gnu.org/pub/gnu/ncurses/</a>	MIT	Modified
net-snmp	5.7.2	<a href="http://www.net-snmp.org/">http://www.net-snmp.org/</a>	ISC/BSD	Modified
ntfs-3g	2013.1.13	<a href="http://ntfs-3g.org">http://ntfs-3g.org</a>	GPLv2/LGPLv2	Used
ntpclient	2007_365	<a href="http://doolittle.icarus.com/ntpclient/">http://doolittle.icarus.com/ntpclient/</a>	GPLv2	Modified
openssl	1.0.2n	<a href="http://www.openssl.org">http://www.openssl.org</a>	OpenSSL	Modified
popt	1.16	<a href="http://rpm5.org/files/popt/">http://rpm5.org/files/popt/</a>	MIT	Modified
ppp	2.4.3	<a href="http://www.roaringpenguin.com/pppoe">http://www.roaringpenguin.com/pppoe</a>	GPLv2/BSD	Modified
pure-ftpd	1.0.30	<a href="http://pureftpd.org">http://pureftpd.org</a>	ISC/BSD	Modified
radvd	1.8	<a href="http://www.litech.org/radvd/">http://www.litech.org/radvd/</a>	BSD	Used
readline	6.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>	GPLv3	Used
samba	3.6.25	<a href="http://www.samba.org/samba/">http://www.samba.org/samba/</a>	GPLv3	Modified
sqlite	3.6.23.1	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>	Public Domain License	Used
syslog-ng	2.0.10	<a href="https://github.com/balabit/syslog-ng">https://github.com/balabit/syslog-ng</a>	GPLv2	Used
tcpdump	4.2.1	<a href="http://www.tcpdump.org/">http://www.tcpdump.org/</a>	BSD	Used



udhcp	0.9.8	<a href="http://udhcp.busybox.net/">http://udhcp.busybox.net/</a>	GPLv2	Modified
updatedd	2.6	<a href="https://sourceforge.net/projects/updatedd/">https://sourceforge.net/projects/updatedd/</a>	GPLv2	Modified
usb-modeswitch	2.1.0	<a href="http://www.draisberghof.de/usb_modeswitch/">http://www.draisberghof.de/usb_modeswitch/</a>	GPLv2	Used
util-linux	2.21.2	<a href="https://github.com/karelzak/util-linux/">https://github.com/karelzak/util-linux/</a>	GPLv2	Used
wide-dhcpv6	20080615	<a href="https://sourceforge.net/projects/wide-dhcpv6/">https://sourceforge.net/projects/wide-dhcpv6/</a>	BSD	Modified
zebra	0.93a	<a href="http://www.zebra.org/">http://www.zebra.org/</a>	GPLv2/LGPLv2	Used
zlib	1.2.7	<a href="https://github.com/madler/zlib">https://github.com/madler/zlib</a>	zlib	Used

## Known issues

1. Device will not send the beacon at channel 100 in shielding box/room. Some of configuration skip channel 100 first.
2. B. Bridge (WLAN disable), resetproof ABQO\_E0  
resetproof is not yet support and has bug with expressboot  
Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b5\_E0

Based on V5.13(ABQO.1)b4\_E0 to release V5.13(ABQO.1)b5\_E0

### [BUGFIX]

1. [Vulnerability] Zyxel-SI-1506 Post-authentication buffer overflow
2. [Vulnerability] Zyxel-SI-1536 Buffer overflow vulnerability in the "traceroute" command

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:
  - A. Router (WLAN disable), resetproof ABQO\_C0  
Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - B. Bridge (WLAN disable), resetproof ABQO\_E0  
Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b5\_C0

Based on V5.13(ABQO.1)b4\_C0 to release V5.13(ABQO.1)b5\_C0

### [BUGFIX]

1. [Vulnerability] Zyxel-SI-1506 Post-authentication buffer overflow
2. [Vulnerability] Zyxel-SI-1536 Buffer overflow vulnerability in the "traceroute" command

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b5\_D0

Based on V5.13(ABQO.1)b4\_D0 to release V5.13(ABQO.1)b5\_D0

### [BUGFIX]

1. [Vulnerability] Zyxel-SI-1506 Post-authentication buffer overflow
2. [Vulnerability] Zyxel-SI-1536 Buffer overflow vulnerability in the "traceroute" command

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b4\_E0

Based on V5.13(ABQO.1)b3\_E0 to release V5.13(ABQO.1)b4\_E0

### [BUGFIX]

[System] [Time:12hr] [Occur: 4 times] DUT can't login console and GUI after reboot (Random)

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b4\_C0

Based on V5.13(ABQO.1)b3\_C0 to release V5.13(ABQO.1)b4\_C0

### [BUGFIX]

[System] [Time:12hr] [Occur: 4 times] DUT can't login console and GUI after reboot (Random)

## [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b4\_D0

Based on V5.13(ABQO.1)b3\_D0 to release V5.13(ABQO.1)b4\_D0

## [BUGFIX]

[System] [Time:12hr] [Occur: 4 times] DUT can't login console and GUI after reboot (Random)

## [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b3\_E0

Based on V5.13(ABQO.1)b2\_E0 to release V5.13(ABQO.1)b3\_E0

## [BUGFIX]

[eITS#230200807][357486] XMG3927-B50B / v5.13(ABQO.1)b2.

## [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b3\_C0

Based on V5.13(ABQO.1)b2\_C0 to release V5.13(ABQO.1)b3\_C0

## [BUGFIX]

[eITS#230200807][357486] XMG3927-B50B / v5.13(ABQO.1)b2.

## [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b3\_D0

Based on V5.13(ABQO.1)b2\_D0 to release V5.13(ABQO.1)b3\_D0

### [BUGFIX]

[eITS#230200807][357486] XMG3927-B50B / v5.13(ABQO.1)b2.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b2\_E0

Based on V5.13(ABQO.1)b1\_E0 to release V5.13(ABQO.1)b2\_E0

### [BUGFIX]

[USB] SAMBA cannot work.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b2\_C0

Based on V5.13(ABQO.1)b1\_C0 to release V5.13(ABQO.1)b2\_C0

### [BUGFIX]

[USB] SAMBA cannot work.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b2\_D0

Based on V5.13(ABQO.1)b1\_D0 to release V5.13(ABQO.1)b2\_D0

### [BUGFIX]

[USB] SAMBA cannot work.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as

B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b1\_E0

Based on V5.13(ABQO.0)E0 to release V5.13(ABQO.1)b1\_E0

### [ENHANCEMENT]

[#211001010]expressboot tool for xmg3927

Security Issue

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b1\_C0

Based on V5.13(ABQO.0)C0 to release V5.13(ABQO.1)b1\_C0

### [ENHANCEMENT]

[#211001010]expressboot tool for xmg3927

Security Issue

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:



A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.1)b1\_D0

Based on V5.13(ABQO.0)E0 to release V5.13(ABQO.1)b1\_E0

### [ENHANCEMENT]

[#211001010]expressboot tool for xmg3927

Security Issue

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)E0

Based on V5.13(ABQO.0)b2\_E0 to release V5.13(ABQO.0)E0

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)C0

Based on V5.13(ABQO.0)b2\_C0 to release V5.13(ABQO.0)C0

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)D0

Based on V5.13(ABQO.0)b2\_D0 to release V5.13(ABQO.0)D0

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b2\_E0

Based on V5.13(ABQO.0)b1\_E0 to release V5.13(ABQO.0)b2\_E0

### [BUG FIX]

1. [#95397][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][GUI]  
Some wireless interface should remove.
2. [#95396][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][DST]  
Some config doesn't match with DST file.
3. [#95361][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_D0][DST]  
Some config doesn't match with DST file.
4. [#95351][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][Firmware]  
Each flavor cannot be side grade nor crossover to each other.
5. [#95349][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][GUI]  
Some wireless interface should remove.
6. [#95348][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][DST]  
Some config doesn't match with DST file.
7. [XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][NAT] NAT Session cannot enter value
8. [BUGFIX][XMG3927-B50A Swisscom]merge write and read run time Data model
9. [BUGFIX][49872][VMG4825/9823-B10A] Some Clients Names Looks Like Asterisk "\*" in the Multy-Pro App
10. [XMG3927-B50A Swisscom][DST] DST chnaged by frontline as not enable DHCP Option 60 by default. The value should be there by default, but not enable.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable

either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b2\_C0

Based on V5.13(ABQO.0)b1\_C0 to release V5.13(ABQO.0)b2\_C0

### [BUG FIX]

1. [#95397][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][GUI]  
Some wireless interface should remove.
2. [#95396][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][DST]  
Some config doesn't match with DST file.
3. [#95361][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_D0][DST]  
Some config doesn't match with DST file.
4. [#95351][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][Firmware]  
Each flavor cannot be side grade nor crossover to each other.
5. [#95349][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][GUI]  
Some wireless interface should remove.
6. [#95348][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][DST]  
Some config doesn't match with DST file.
7. [XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][NAT] NAT Session cannot enter value
8. [BUGFIX][XMG3927-B50A Swisscom]merge write and read run time Data model
9. [BUGFIX][49872][VMG4825/9823-B10A] Some Clients Names Looks Like Asterisk "\*" in the Multy-Pro App
10. [XMG3927-B50A Swisscom][DST] DST chnaged by frontline as not enable DHCP Option 60 by default. The value should be there by default, but not enable.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:

A. Router (WLAN disable), resetproof ABQO\_C0

Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b2\_D0

Based on V5.13(ABQO.0)b1\_D0 to release V5.13(ABQO.0)b2\_D0

### [BUG FIX]

1. [#95397][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][GUI]  
Some wireless interface should remove.
2. [#95396][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_E0][DST]  
Some config doesn't match with DST file.
3. [#95361][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_D0][DST]  
Some config doesn't match with DST file.
4. [#95351][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][Firmware]  
Each flavor cannot be side grade nor crossover to each other.
5. [#95349][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][GUI]  
Some wireless interface should remove.
6. [#95348][XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][DST]  
Some config doesn't match with DST file.
7. [XMG3927-B50A Swisscom][V5.13(ABQO.0)b1\_C0][NAT] NAT Session cannot enter value
8. [BUGFIX][XMG3927-B50A Swisscom]merge write and read run time Data model
9. [BUGFIX][49872][VMG4825/9823-B10A] Some Clients Names Looks Like Asterisk "\*" in the Multy-Pro App
10. [XMG3927-B50A Swisscom][DST] DST chnaged by frontline as not enable DHCP Option 60 by default. The value should be there by default, but not enable.

### [FIRMWARE RELEASE]

1. Three FW release include three versions C0,D0 and E0 such as below:
  - A. Router (WLAN disable), resetproof ABQO\_C0  
Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - B. Bridge (WLAN disable), resetproof ABQO\_E0  
Note: **To reset B.** it will turn to A. Router (WLAN disable), to reboot B. it will stay as B., WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - C. Router (WLAN enable), resetproof ABQO\_D0  
Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b1\_E0

Based on V5.13(ABMT.0)C0 to release V5.13(ABQO.0)b1\_E0

### [FEATURE ENHACEMENT]

1. [ENHANCE][BCM][416L05][63138] Upgrade modemcode from A2pvfbH043q to A2pvfbH043j2
2. [ENHANCE][BCM][416L05][63138][Swisscom][#86349] Customization Modemcode
3. [XMG3927-B50A Swisscom][CUSTOMIZATION] GUI CUSTOMIZATION Feature for WLAN Page and Related info hide control by ROMfile
4. [XMG3927-B50A Swisscom][DST] Default settings
5. Three FW release include three versions C0,D0 and E0 such as below:
  - A. Router (WLAN disable), resetproof ABQO\_C0  
Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - B. Bridge (WLAN disable), resetproof ABQO\_E0  
Note: **To reset B.** it will turn to B. Bridge (WLAN disable), to reboot B. it will stay as B, WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - C. Router (WLAN enable), resetproof ABQO\_D0  
Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b1\_C0

Based on V5.13(ABMT.0)C0 to release V5.13(ABQO.0)b1\_C0

### [FEATURE ENHANCEMENT]

1. [ENHANCE][BCM][416L05][63138] Upgrade modemcode from A2pvfbH043q to A2pvfbH043j2
2. [ENHANCE][BCM][416L05][63138][Swisscom][#86349] Customization Modemcode
3. [XMG3927-B50A Swisscom][CUSTOMIZATION] GUI CUSTOMIZATION Feature for WLAN Page and Related info hide control by ROMfile
4. [XMG3927-B50A Swisscom][DST] Default settings
5. Three FW release include three versions C0,D0 and E0 such as below:
  - A. Router (WLAN disable), resetproof ABQO\_C0  
Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - B. Bridge (WLAN disable), resetproof ABQO\_E0  
Note: **To reset B.** it will turn to B. Bridge (WLAN disable), to reboot B. it will stay as B, WLAN can't be enable either on the GUI nor over hardware (WLAN button)
  - C. Router (WLAN enable), resetproof ABQO\_D0  
Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)

## Modifications in 5.13(ABQO.0)b1\_D0

Based on V5.13(ABMT.0)C0 to release V5.13(ABQO.0)b1\_D0

### [FEATURE ENHANCEMENT]

1. [ENHANCE][BCM][416L05][63138] Upgrade modemcode from A2pvfbH043q to A2pvfbH043j2
2. [ENHANCE][BCM][416L05][63138][Swisscom][#86349] Customization Modemcode
3. [XMG3927-B50A Swisscom][CUSTOMIZATION] GUI CUSTOMIZATION Feature for WLAN Page and Related info hide control by ROMfile
4. [XMG3927-B50A Swisscom][DST] Default settings
5. Three FW release include three versions C0,D0 and E0 such as below:
  - A. Router (WLAN disable), resetproof ABQO\_C0  
Note: **To reset A.** it will stay as A. Router (WLAN disable), WLAN can't be enable

either on the GUI nor over hardware (WLAN button)

B. Bridge (WLAN disable), resetproof ABQO\_E0

Note: **To reset B.** it will turn to B. Bridge (WLAN disable), to reboot B. it will stay as B, WLAN can't be enable either on the GUI nor over hardware (WLAN button)

C. Router (WLAN enable), resetproof ABQO\_D0

Note: **To reset C.** it will stay as C. (WLAN enable), WLAN can be enable/disable on the GUI and over hardware (WLAN button)



## Check list for the items may be related to HW

### functions

Items	Any change?	Comments
DSL/Modem code	N	
DSL/GE/PON Application/Driver code and setting parameters	N	
Wireless driver (WiFi/3G/WiMAX/LTE..)	N	
VoIP driver & setting	N	
Video decoder driver	N	
Memory access related (like tuning DDR parameters, etc)	N	
Dying gasp	N	
LED behavior	N	
FAN speed control	N	
Temperature sensor control	N	
Others	N	

### Default Setting:

- Account for console :

Username	Password
supervisor	random generated
admin	random generated

2. Account for GUI :

Username	Password
supervisor	random generated
admin	random generated

3. Default URL: <http://192.168.1.1>
4. Default basic SSID : Zyxel\_[last four bytes of WLAN MAC address]  
e.g. WLAN MAC address: E0:05:C5:63:38:31 SSID: Zyxel\_3831

## Manufactory Data

CFE> atsh

```
Firmware Version      : V5.13(ABQO.1)b5_D0
Bootbase Version     : V1.60 | 11/14/2021 01:03:18
Vendor Name          : Zyxel Communications Corp.
Product Model        : XMG3927-B50A
Serial Number         : S184128006009
First MAC Address    : C86C876051FF
Last MAC Address     : C86C8760520A
MAC Address Quantity : 12
Default Country Code : FF
Boot Module Debug Flag : 01
Kernel Checksum      : 00009EDE
RootFS Checksum      : 0000B2CE
Romfile Checksum     : N/A (default)
Main Feature Bits    : 00
Other Feature Bits   :
beb8ab94: 04050507 ffffffff 00030701 00000000
beb8aba4: ffffffff ffffffff ffffffff ffff
```