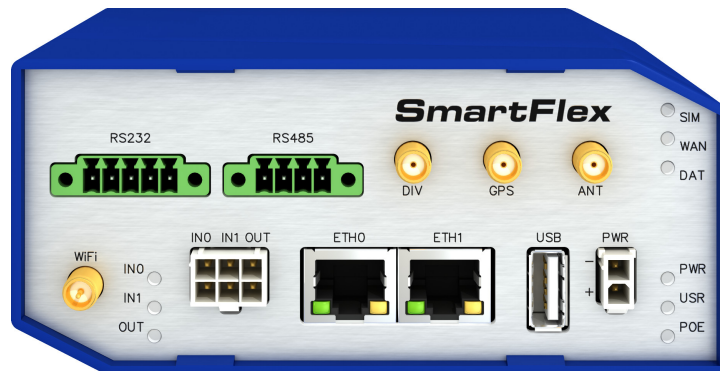


Firmware 6.1.2

RELEASE NOTES



B+B SMARTWORX

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Abstract

This document describes:

- Firmware upgrade instructions.
- Description of all new features, fixes and other changes implemented in firmware 6.1.2.
- Known issues.

For detailed information about firmware 6.1.2, see the Configuration Manual for your router.

Firmware Details

- **Version:** 6.1.2
- **Release date:** June 12, 2017
- **Hardware compatibility:** This firmware is applicable to any router made by Advantech B+B SmartWorx s.r.o.



Please note that not all new Advantech routers are produced and shipped with the latest release of the firmware. The reason usually is an existing certification made for a specific carrier or a region. For more information see document **Firmware Distribution Overview**.

Part I

Firmware Upgrade Instructions

General Upgrade Instructions and Notices

HTTPS certificates: The HTTPS certificate creation in the router was updated in FW 5.3.5 in order to improve security. Existing HTTPS certificates on previously manufactured routers will not automatically be upgraded with the firmware upgrade! It is possible to upgrade HTTPS certificates by deleting the files within /etc/certs/https* in the router (e.g. via SSH). The certificates will be re-created automatically during the router's next start.



Python user module is not uploaded by default to the produced routers with firmware of version 6.0.2 and later. To get the Python user module, please contact your local Sales Representative.



The **SPECTRE v3 LTE** and **SPECTRE v3 ERT** routers were renamed to **SmartFlex**. You will find them under this name in the Changelog below.

Specific Upgrade Instructions – new filename

If the filename of a firmware for your router was changed recently, then you can have an issue during manual firmware updating or with automatic firmware update feature. Following warning message will appear during the firmware updating process: *"You are trying to upload file "xx.bin" but "yy.bin" is expected. Are you sure to continue?"*

To proceed with the firmware updating please follow these steps: Check the table below with details of recent firmware filename changes for routers and make sure you have the correct firmware file for your router. Go ahead with manual firmware updating and confirm displayed warning message.

To proceed with automatic firmware updating, rename new firmware files (*.bin and *.ver) to filenames valid before the filename change. This should allow the router to pass through the process of automatic firmware updating. Next time, the automatic firmware update feature will work as expected and no other file renaming will be required.

Router model	FW ver.	New filename	Original filename
SmartMotion ST352 SmartMotion ST355	6.0.2	SPECTRE-v3T-LTE.bin	BIVIAS-v3LL.bin
SmartStart SL302	6.0.3	SPECTRE-v3L-LTE-US.bin	SPECTRE-v3L-LTE-AT.bin

Table 1: Recent firmware filename changes

Specific Instructions for Upgrading from Firmware Older than 5.3.0



It is necessary to follow specific upgrade instructions below only if you are upgrading from firmware older than 5.3.0.

Due to a (now fixed) bug in the firewall when a WAN device is part of a bridged interface, caution should be taken when upgrading in following case:

- Condition:** When a WAN device is part of a bridged interface, access to that WAN device (HTTPS, SSH) is always granted regardless of configuration.
- Problem:** If this is your configuration, it is highly likely that you are not aware of this, so the undesired effect of the bridge firewall fix may render the router inaccessible.
- Recommended Action:** Enable access to both the web and ssh services before upgrading if you want to retain the current behavior (access to the WAN interface). This can be done on the *NAT* page in the *Configuration* section of the router's Web interface.

Changing the password

It is necessary to change the password for user "root" (or enter it again) when upgrading to firmware version 5.3.0. or newer. The reason for this is an upgrade of the authentication system (encryption algorithm *crypt* was changed to *MD5*; passwords are now stored in the */etc/shadow* file instead of */etc/passwd*). Changing of the password is required before it is possible to set up remote access on the *NAT Configuration* page.

Please note that when downgrade from 5.3.0+ to previous firmware versions, the password for user *root* is reset to default ("root").

Part II

Changelog



Legend: Affected routers are marked as shown below for every changelog item:

Affected router version Router version not affected

Support for CDC-ECM devices

ER75i UR5 UR5i XR5i SPECTRE 3G SPECTRE RT SPECTRE LTE-AT SPECTRE LTE-VZ
 ER75i v2 UR5 v2 UR5i v2 XR5i v2 LR77 v2 CR10 v2 UR5i v2L RR75i v2 LR77 v2L XR5i v2E
 Bivias v2HC Bivias v2LC Bivias v2LL Bivias v2LH Bivias v2HH
 SmartFlex SR300 SmartFlex SR303 SmartFlex SR305 SmartFlex SR306 SmartFlex SR307
 SmartStart SL302 SmartStart SL304 SmartMotion ST352 SmartMotion ST355

Added support for generic CDC-ECM devices to Linux kernel. This feature allows using USB dongles compatible with CDC-ECM standards as third Ethernet interface on *SmartFlex* routers or as second Ethernet interface on routers of v2 production line.

Hidden GUI for vacant Ethernet interfaces

ER75i UR5 UR5i XR5i SPECTRE 3G SPECTRE RT SPECTRE LTE-AT SPECTRE LTE-VZ
 ER75i v2 UR5 v2 UR5i v2 XR5i v2 LR77 v2 CR10 v2 UR5i v2L RR75i v2 LR77 v2L XR5i v2E
 Bivias v2HC Bivias v2LC Bivias v2LL Bivias v2LH Bivias v2HH
 SmartFlex SR300 SmartFlex SR303 SmartFlex SR305 SmartFlex SR306 SmartFlex SR307
 SmartStart SL302 SmartStart SL304 SmartMotion ST352 SmartMotion ST355

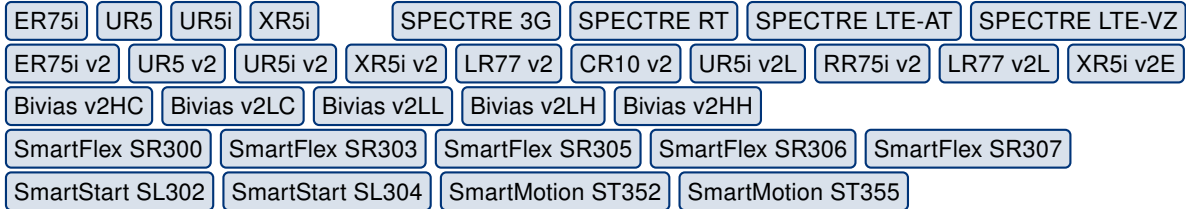
Secondary, eventually tertiary, LAN configuration GUI will be hidden if the interface is not available on the router. The LAN configuration can be done on available subpages on router's configuration page under *Configuration/LAN* section.

Added cmp, head and wc commands

ER75i UR5 UR5i XR5i SPECTRE 3G SPECTRE RT SPECTRE LTE-AT SPECTRE LTE-VZ
 ER75i v2 UR5 v2 UR5i v2 XR5i v2 LR77 v2 CR10 v2 UR5i v2L RR75i v2 LR77 v2L XR5i v2E
 Bivias v2HC Bivias v2LC Bivias v2LL Bivias v2LH Bivias v2HH
 SmartFlex SR300 SmartFlex SR303 SmartFlex SR305 SmartFlex SR306 SmartFlex SR307
 SmartStart SL302 SmartStart SL304 SmartMotion ST352 SmartMotion ST355

Added *cmp*, *head* and *wc* commands to the Linux kernel. These commands are also available to be used in a custom script or in router's console.

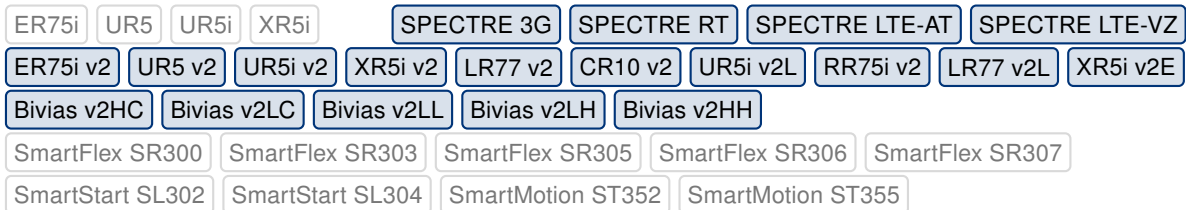
Filtering of uploaded files



Files being uploaded to the router are filtered for correct file type when browsing the source drive. There are three different file types that can be uploaded to the router:

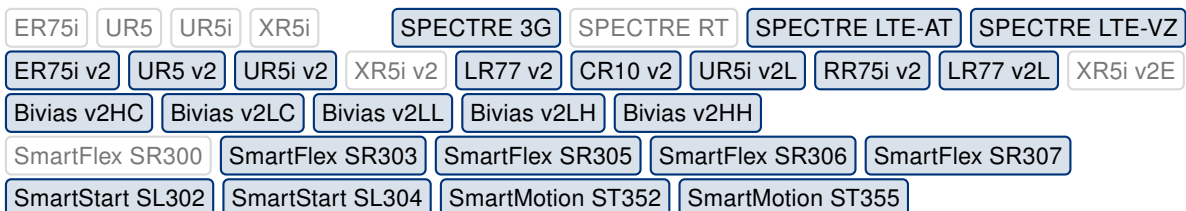
- 1) Firmware (*.bin) on *Administration/Update Firmware* page
- 2) Configuration (*.cfg) on *Administration/Restore Configuration* page
- 3) User Module (*.tgz) on *Customization/User Modules* page

Validity check for User Modules



User module is now checked for validity prior to the loading into the router. User modules for v3 routers are valid on v3 routers only. User modules for v2 routers are valid for both v2 and v3 routers. Other combinations are invalid.

Switching off the cellular modules



Automatic switching the module off prior router's shutdown is now safer, extending cellular module lifetime.

Password for mobile connection

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

The password for mobile connection is not mandatory any more. Configuration can be done on *Configuration/Mobile WAN* configuration page on router's web configuration GUI. Please note, that this is valid just for routers highlighted above.

Updated default APN entries

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Default APN entries for *Deutsche Telekom* customers was updated to match the actual requirements.

Fixed IKEv1 aggressive mode connection

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Changed payloads order to fix an IKEv1 connection issue when the aggressive mode is set. This fix was made to improve compatibility with *Watchguard firewall* device. Other devices are not affected and should work as before.

Removed auto restart function

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Removed the auto restart function of the router in case the mobile communication was not established or was interrupted for given period of time. This function was added to the firmware in the past as a last resort attempt to restore mobile connectivity. From now, the router will not automatically restart for this reason any more.

Fixed WiFi communication

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed resource leak in the Linux kernel that happened every time a client was disconnected from the access point. The communication get frozen when a critical number of resource leaks happened. The issue can be observed more often in places with many clients that are not permanently connected to the access point.

Fixed cellular modules communication

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed frozen communication for *MC7304* and *MPL200* cellular modules. This situation happened if the module was turned off prior to the driver initialization has finished.

Fixed mobile communication establishment

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed mobile data communication establishment for *Quectel EC25* cellular module.

Data statistic for Quectel EC25

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed data statistic for *Quectel EC25* cellular module.

Fixed setting of PDP context

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed setting of PDP context to avoid LTE connection issue. This issue may appear in case of *Verizon* carrier when the IP address for *Mobile WAN* is set.

Fixed switching to the default SIM

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed switching back to the default SIM card, which may be not working correctly in case the roaming was detected on the SIM.

Fixed sending of warning SMS

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed sending of warning SMS when the threshold value for mobile data was reached. Setting of warning SMS can be done on *Mobile WAN* configuration page by enabling traffic monitoring and setting of *Data Limit* and *Warning Threshold* parameters. The issue, that was fixed, could have caused that the warning SMS being sent at the incorrect time (only if the *Data Limit* was set to 40 GB or higher) - time that did not match the real threshold event.

Fixed termination of L2TP tunnel

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed termination of L2TP tunnel which could have taken up to two minutes in some cases.

nc utility termination

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed the issue when the nc (netcat) utility may not be terminated correctly when the client's connection session was disconnected.

Fixed CVE-2016-10229

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed [CVE-2016-10229](#) in Linux kernel. This issue could cause system to denial of service by reducing its performance or interruptions in resource availability.

Fixed CVE-2017-5897

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Fixed [CVE-2017-5897](#) in Linux kernel. This issue could cause system to denial of service by reducing its performance or interruptions in resource availability.

Downgraded iproute program

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Downgraded *iproute* program to version 3.5.0. The reason for this downgrade was an incompatibility with current version of Linux kernel, which resulted in logging of warning messages into the kernel log.

Upgraded OpenVPN program

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Upgraded *OpenVPN* program to version 2.3.15. The update fixed [CVE-2017-7478](#) and [CVE-2017-7479](#).

Upgraded strongSwan application

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Upgraded *strongSwan* application to the current version 5.5.3. The update fixed [CVE-2017-9022](#) and [CVE-2017-9023](#). For more details see strongSwan changelog [here](#).

Upgraded iw utility

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Upgraded *iw* utility to version 3.5.

Upgraded zlib library

ER75i	UR5	UR5i	XR5i	SPECTRE 3G	SPECTRE RT	SPECTRE LTE-AT	SPECTRE LTE-VZ		
ER75i v2	UR5 v2	UR5i v2	XR5i v2	LR77 v2	CR10 v2	UR5i v2L	RR75i v2	LR77 v2L	XR5i v2E
Bivias v2HC	Bivias v2LC	Bivias v2LL	Bivias v2LH	Bivias v2HH					
SmartFlex SR300	SmartFlex SR303	SmartFlex SR305	SmartFlex SR306	SmartFlex SR307					
SmartStart SL302	SmartStart SL304	SmartMotion ST352	SmartMotion ST355						

Upgraded *zlib* library in Linux kernel to version 1.2.11. The update fixed [CVE-2016-9840](#), [CVE-2016-9841](#), [CVE-2016-9842](#) and [CVE-2016-9843](#).

Part III

Known Issues

5 GHz band for WiFi

The first one hundred v3 routers produced (with serial number from 6200000 to 6200099) contain a WiFi chip which does not support the 5 GHz band. There is no way of detecting this, the 5 GHz ranges on these devices will simply not work and the router will not be able to detect this.

Python user module

Python user module versions earlier than 2014-11-25 have lacked SSL functionality since firmware version 5.3.4. **The Python user module needs to be upgraded** to version from 2016-05-03 or later. This user module upgrade can be done safely either before or after upgrading the firmware. The Python interpreter version 2.7.12 is included in the latest version of the user module (2016-09-30).

Warning during WiFi configuration update

During a WiFi configuration update a warning may appear in syslog. This has no other known effects other than the appearance of the warning message.

Firmware Update – unexpected filename

If the filename of a firmware for your router was changed recently, you can have an issue during manual firmware updating or with Automatic Update feature. Following warning message will appear: *"You are trying to upload file "xx.bin" but "yy.bin" is expected. Are you sure to continue?"* To fix this issue follow instructions in Part I (Firmware Upgrade Instructions) in this document.

SmartStart SL302 cellular network authentication with username and password

It is not possible to use username and password when connecting to Mobile WAN network (on *Mobile WAN Configuration* page) if your SmartStart SL302 router has the 20.00.522 firmware version inside the Telit LE910-NA1 cellular module. The version of cellular module firmware can be found at *Mobile WAN Status* page in *Mobile Network Information* section.

SmartStart SL302 – SMS in Verizon network

SmartStart SL302 router (equipped with the Telit modules LE910-SV1 or LE910-NA1) does not support sending or receiving of SMS in Verizon cellular network.