

## Read Me

### Systemsoftware 7.8.7 PATCH 3

This version of our system software is available for all current gateways, except for the WLAN series products:

The following changes have been made:

#### 1.1 SIF - Existing Configuration noct Converted

(ID 11470)

When updating to system software version 7.8.2 or later, an existing SIF configuration was not properly converted. This led to errors with subsequent configuration of SID entries.

The problem has been solved.

#### 1.2 Email Alert - Alert not Functional

(ID 11375)

Due to an error in the startup sequence a process required for Email Alert was terminated.

The problem has been solved.

#### 1.3 Ethernet - MAC Address Ignored

(ID 11245)

If an Ethernet interface was changed from (DHCP" to "Manual", a possibly specified MAC address was ignored and the MAC address of the Ethernet chip was used instead.

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The problem has been solved.

## **1.4 PPP - Connection establishment**

**(ID 11303)**

In rare cases, establishing a PPP connection failed, and the respective interface was blocked until it was manually reset or the device was rebooted.

The problem has been solved.

## **1.5 RADIUS - Attribute not handled**

**(ID 11479)**

The RADIUS attribute 244 "BinTec-ipNatOutTable" was not handled by the RADIUS daemon.

The problem has been solved.

## **1.6 IPSec peers incorrect display**

**(ID 11637)**

All IPSec peers were displayed, even those not configured manually, in the FCI menu VPN > IPSec > IPSec Peers.

The problem has been solved.

## 1.7 Firewall - QoS incorrect display

(ID 11863)

The assignment of filter rules to interfaces displayed in the FCI menu Firewall < Policies < QoS does not match the configured assignment.

The problem has been solved.

## 1.8 IPSec - Possible Problems with Phase 2 establishment

(ID 12163)

The creation of Phase 2 of an IPSec connection could run into problems due to source IP address selection.

The problem has been solved.

## 1.9 UMTS - Unreliable Support

(ID 12199)

Using an Option GE0421 UMTS card could lead to diverse errors during recognition, operation and unplugging the card.

The problem has been solved.

## **1.10 WLAN**

The WLAN section has undergone a number of changes to expand the functional range and to enhance the already available functions.

### **1.10.1 WLAN - Bridge link issues**

(ID 11424)

Settings up a bridge link in 5 GHz mode with 40 Hz bandwidth could lead to unexpected and undesired results like broken links and low data transfer speed.

The problem has been solved.

### **1.10.2 WLAN - 5,8 GHz Band**

(ID n/a)

Devices with a Ralink WLAN chip now support the 5.8 GHz band.

### **1.10.3 WLAN - Incorrect value can be chosen**

(ID 11423)

When operating the radio module in bridge mode with 2.4 GHz indoor/outdoor, the "auto" could be selected as WLAN channel. This is not an allowed option.

The problem has been solved.

### **1.10.4 WLAN - Memory Leak with False Authentication**

(ID n/a)

If a client tried to authenticate at the device using an invalid preshared key, this could lead to a memory leak and to a stack trace.

The problem has been solved.

### **1.10.5 WLAN - Memory leak with WPA Enterprise**

**(ID 11978)**

WLAN connections that are secured by WPA Enterprise could lead to a memory leak and to data traffic being blocked.

The problem has been solved.

### **1.10.6 WLAN - Channel selection**

**(ID n/a)**

If "auto" was chosen for channel selection in a 5 GHz connection, a random channel was chosen for the radar scan as well as for afterwards usage.

This behavior has been changed so that now the band is first scanned, and the best free channel is used afterwards.

### **1.10.7 WLAN - WDS menu missing**

**(ID n/a)**

In the 5 GHz mode, the WDS menu was missing.

The problem has been solved.

### **1.10.8 WLAN - WDS with AES and TKIP enabled**

**(ID n/a)**

AES and TKIP encryption can now be activated for WDS links in access point mode.

### **1.10.9 WLAN - WDS scan not possible**

**(ID 11621)**

As long as the radio module had not finished initializing, there was no error message when a WDS scan was tried.

The problem has been solved.

### **1.10.10 WLAN - Erroneously removed option**

**(ID 11566)**

The option of using 40 MHz bandwidth in the 5.8 GHz band had erroneously been removed.

The problem has been solved.

## **1.11 FCI**

**The Funkwerk Configuration Interface has also been subjected to a number of changes in order to enhance the available configuration options.**

### **1.11.1 FCI - Wrong Annex Type available**

**(ID n/a)**

During ADSL configuration, the FCI allowed choosing Annex M for Annex B devices.

The problem has been solved.

### **1.11.2 FCI - Entering addresses during Firewall Configuration**

**(ID 12269)**

When entering addresses for firewall configuration, a netmask of 255.255.255.255 was shown for net addresses while no net mask was shown for single or subnet addresses.

The problem has been solved.

### **1.11.3 FCI - IPSec Peers not displayed**

**(ID 12213)**

The FCI did not display IPSec peers that were defined through Traffic Lists, since these peers cannot be configured with the FCI. They should be displayed, though, even if as not editable.

The problem has been solved.

### **1.11.4 FCI - Corrupt Configuration**

**(ID 12251)**

If there was not enough Flash memory available to store a configuration, the FCI did not display an error message. Moreover, the boot configuration could become corrupted.

The problem has been solved.

### **1.11.5 FCI - Wrong WDS Status Display**

**(ID 12176)**

A normal WDS link (no WDS Bridge Link) was shown as inactive even if it was active and functional.

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The problem has been solved.

### **1.11.6 FCI - Unnecessary Parameter Displayed**

**(ID 12237)**

The value of the parameter "Max. link distance" was displayed for all WLAN interfaces even if it makes sense only for bridge Links.

The problem has been solved.

### **1.11.7 FCI - XAUTH configuration redesigned**

**(ID 11988, 11989, 11990)**

Configuration of XAUTH in the IPSec context has been streamlined for ease of use.

### **1.11.8 FCI - Enhanced WDS configuration**

**(ID 11622)**

The configuration of a WDS link has been structured more clearly and offers extended information.

### **1.11.9 FCI - "Annex M" option missing**

**(ID 11885)**

The option "Annex M" was not selectable when configuring an ADSL connection.

The problem has been solved.



### **1.11.10 FCI - Checkboxes mixed up**

**(ID 11437)**

The configuration pages for the serial interfaces had the checkboxes for Timeout and Inter-Byte Gap mixed: Settings made to one option were applied to the other and vice versa.

The problem has been solved.

### **1.11.11 FCI - Additional Access Rule**

**(ID n/a)**

When configuring the first Administrative Access rule, an additional rule is automatically created that ensures that no data traffic is involuntarily blocked.

The problem has been solved.

### **1.11.12 FCI - No Switch for Scheduler**

**(ID 11434)**

The FCI did not offer a switch to activate or deactivate the scheduler.

The problem has been solved.

