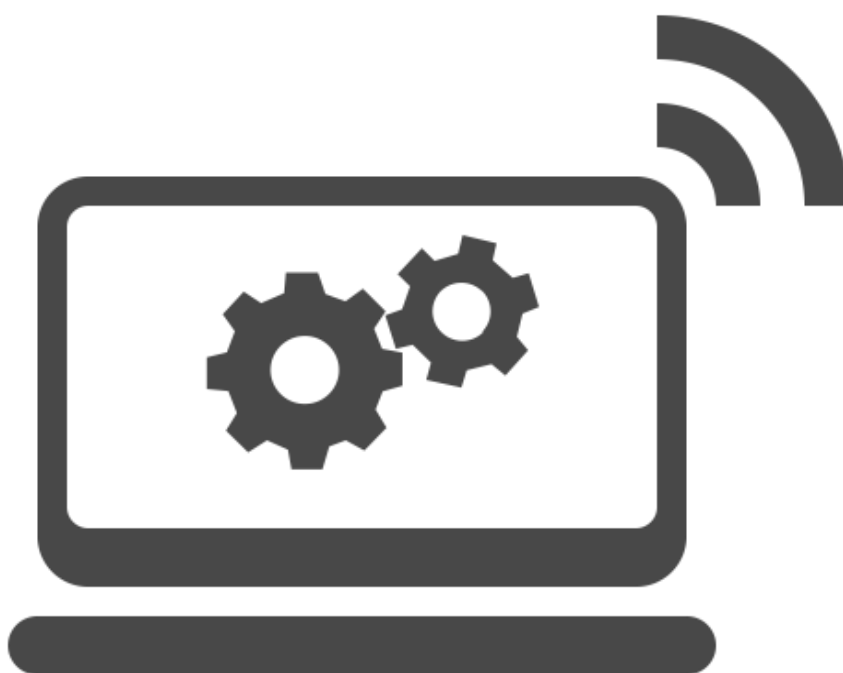




# B-COMM

## Release Notes

Version 5.4.0



## Overview

A new B-COMM version has been released. The new version 5.4.0 replaces the previous version 5.3.1.7

## News/Changes/Revisions

### General:

- The external libraries have been updated. The list of security updates with affected external libraries can be found at the end of this document.
- The \B-COMM java\tools directory has been removed from the scope of delivery of B-COMM.
- New sections have been implemented in the terminals.ini
  - 735-11 (Type=9700-K6 B-Client HR30)
  - 736-11 now with addInputSteps\_fk\_XX.ini (Type=9600-K6 B-Client HR20)
  - 737-11 (Type=9610-K6 B-Client HR15)
  - 738-11 (Type=9605-K6 B-Client AC15)
  - 680-04 (Type=9200-K7 B-Client AC30;9230-K7 B-Client AC30;9290-K7 B-Client AC30)
  - Sections for KCP program numbers
    - (Type=Subterminal KCP)
    - (Type=Subterminal KCP Compact Reader 9104-K7 and Reader 9110-K7)
    - (Type=Subterminal KCP Remote Reader 9125-K7)
    - (Type=Local Antenna 9000)
    - (Type=Local Antenna 9001)
    - (Type=Local PIN Antenna 9002)
    - (Type=Local Antenna 9003)
    - (Type=Local Antenna 9004)
    - (Type=Subterminal KCP Compact Reader PIN 9112-K7)
    - (Type=Subterminal KCP Remote Reader 9115-K7)
    - (Type=Subterminal KCP Compact Reader 9104-K5/K6 and 9110-K5/K6)
    - (Type=Subterminal KCP Compact Reader 9125-K5/K6)
    - (Type=Subterminal KCP Compact Reader PIN 9112-K5/K6)
    - (Type=Subterminal KCP Remote Reader 9115)
- There is a new order 'Deployment of provisioned FTP passwords'  
The affected B-COMM components are:
  - Server
  - GUI
  - IO
  - WriteOrder
- In the license terms, the company name was updated from formerly dormakaba EAD GmbH to dormakaba Deutschland GmbH.
- New: In the subdirectory 'Selfsigned-Test-Certificate-Generator' there is now a tool to generate a certificate for test purposes.
- With common FTP passwords for all terminals, each terminal had its own separate section, so that each section contained the same passwords. Now there is only one section [FTP\_PASSWORDS] in the FTP password files.
- Support of KCP readers and their program numbers (e.g. BLCB42.11RA\_) for future firmware versions of the 92xx.  
This includes in detail:

- A KCP reader can be registered correctly on the 9200 in B-COMM, and it may be possible to select the terminal type.
- A KCP reader can be put into operation correctly on the 9200 in B-COMM using the wizard, and it may be possible to select the terminal type.
- The terminals.ini file has been adjusted according to the possible KCP program numbers.
- In the terminal installation wizard there is a checkbox for KCP or BPA if the manager supports KCP (program number >= 680-02) and the correct mode is then activated in the manager. (KCPEnabled=true/false in section SubLine00) (b-client-ac30.ini)
- In the terminal installation wizard there is a checkbox for KCP encryption if the manager supports it (program number >= 680-04) and the correct mode is then activated in the manager. (KCPEncryptionMode=1/0 in section SubLine00) (b-client-ac30.ini)
- The RMI communication can be encrypted over TLS.
- Whitelist/CardLink:  
correct handling of Safe UID respective UID secure.

#### Setup:

- The instBCOMM.exe was removed, the setup is now only started on Windows with instBCOMM.cmd.

#### Server:

- If a terminal with an unknown program number is registered, e.g. [735-12], the values from terminals.ini will no longer be taken from section [735], but from the currently available version, e.g. [735-11].
- Wireless:  
the passwords for accessing the KATE API of the gateway are now also stored in their own files in the subdirectory 'GatewayPasswords' in the data directory of B-COMM
- A replacement parameter download has so far failed if the path to the parameter files contained the string 'terminal', i.e. the client name was 'Android terminals'.

#### IO:

- When the stream is started, the FTP server is now started/stopped on the terminal, depending on the 'FTPEntered' parameter in the UDP stream configuration file.
- Parameter upload:
  - The 'b-client\_xml.ini' file is uploaded by terminals with program number >=73[5-8]-07-X-K00 and controllers with program number >= 680-00-X-K00 and integrated into the parameter file.
  - The additional input steps are available from program number 736-11-X-K00 (9600-K6).
  - Leading blanks are accepted in addInputSteps\_fk\_xx.ini. This applies to the values with the key 'UserInfo[0-9]+' in the sections for language-dependent texts.
  -
- Parameter download:
  - The 'b-client\_xml.ini' file is not transferred to the terminal or the controller during the parameter download.
  - The 'communication.ini' file is no longer transferred to the terminal during parameter download. The reason in these two cases is that they are secured parameters.
  - Before downloading an ini file in z00 format, it is checked whether it is identical to the ini file stored on the terminal/controller. In this case the ini file is not sent to the terminal.
  - In the terminals.ini it is now stored for the respective program number which restart command (TARESET or TAREBOOT) is supported by the terminal or the controller.  
Example:  
CommandTARESETEnabled=Y  
CommandTAREBOOTEnabled=N

Furthermore, a list of the files or directories is also stored for this purpose, and the corresponding restart command should be executed if they are changed.

Example:

CommandTARESETList=/data/data/com.kaba.apps.hr/files/init

CommandTAREBOOTList=/data/data/com.kaba.apps.ba/files/init

If the option 'Execute reset/reboot after download, if necessary' is activated during the parameter download, the corresponding restart command is sent to the terminal or the controller after the parameter download based on the above parameters.

- An image is only sent if the file size is > 0.
- Leading spaces are accepted in the addInputSteps\_fk\_xx.ini. This applies to the values with the key 'UserInfo[0-9]+' in the sections for language-dependent texts.
- After downloading a file to a B-Client AC30 with program number 680, a 'chown' and 'chgrp' is no longer carried out. Command 'CommandRecordDownload' and 'CommandFirmwareUpdate'
- UDP encryption:
  - The key exchange monitoring has been improved.
  - The key generation has been revised.
- SSH key exchange:  
Terminals and Controller with openSSH server 8.8 are supported.
- Wireless:  
after a firmware update of a gateway, the gateway is disconnected and then reconnected by use of a timer (compare to the start of the stream).
- Wireless:  
the name of a gateway is no longer sent to the gateway during a parameter download, because that could cause an error, if the name is longer than 31 characters.
- Wireless:  
if an "unexpected disconnect" occurs from a gateway, an attempt is now made every minute to reestablish the connection with the gateway.
- Wireless:  
New Gateway heartbeat watchdog timer:  
if no heartbeat event is received for 1 minute, the gateway is indicated as "not available" and then a re-connection will be tried in a 1 minute interval.
- An alphanumeric ID can be used for the differential download of master, validation and update records.
- Parameter upload:  
No parameter upload is carried out with '>8z00' if this is not supported by the terminal or a controller, e.g. with a JBed based terminal or controller.
- HTTP[S?]-communication:  
An asynchronous context (long polling) is always terminated with complete().

#### GUI:

- The logon windows now always remains in the foreground in front of all other open windows.
- The dialog for searching for a terminal in the configuration tree has been expanded so that the MAC address of a device can now also be specified as a search criterion.

- **Wireless:**  
There is a new menu item 'Replacement, remove components' in the context menu of a gateway. This allows the components below a gateway to be moved back to their corresponding keyplan/administration area and the gateway is then deleted. This functionality can be used when a gateway is defective and therefore needs to be replaced. After the replacement, all components must then be rejoined with the gateway.
- **Wireless:**  
There is a new order 'Readout components from gateway'. This means that all components that are not yet available in B-COMM can be read out from a gateway.
- **Wireless:**  
There are improvements when logging on a new gateway, e.g. it is checked whether the given password is valid, i.e. whether B-COMM can log on to the gateway with the password.
- **Wireless/Standalone components:**  
Depending on, whether TapGo is set or not, the optional BLE filters are set.  
(These settings are required when using an Apple Watch).
- **Wireless:**  
In the case of gateways, an icon (a yellow key) in the configuration tree indicates whether the gateway still has a default KATE API password.
- In the case of terminals and controllers, an icon (a yellow key) in the configuration tree indicates whether the terminal still has a default SSH key or a default FTP password. This is also shown in the "Display Terminal" dialog.
- **Security and Health Check:**  
Information about the media used by terminals/controllers and standalone/wireless components is now entered in the SHC file shc-bcomm-output.json.
- **Security and Health Check:**  
The SHC file shc-bcomm-output.json contains additional information about extenders connected to gateways.
- **Security and Health Check:**  
Now the content of the sop.ini from the terminal/controller is entered into the SHC file shc-bcomm-output.json.
- **Biometrics:**  
If B-Device is not installed, then only a tiny part of the title bar was displayed from the dialog under the menu item Biometrics / Configuration / Computer-related settings. The dialogue itself was missing. In this case, the menu item is grayed out.
- The order 'SupportInfoTerminal' could not be created because all the GUI components in the dialog disappeared when the mouse moved over the button.
- **Extensions in installation wizard for terminals/managers:**
  - for a new stream it is possible to set UDP encryption
  - it's now possible to set the ID and PIN length
  - for terminals 9600/9700
    - various language settings can be made
    - from FW versions 735-10... and 736-10... the additional password of the terminal can be set
    - reader and media settings can be made
  - for controller 92xx
    - the number of subterminals/readers licenced in the sop.ini now will be logged on automatically without showing a dialog

- KCP subterminals/readers, from firmware version 680-04... are supported
- Extensions in installation wizard for Wireless components:
  - the IP address of a new gateway can now be entered directly, not just selected by a combobox
  - the use of HID configurations can be set for Wireless components
- Application interface:  
It is not possible to test the time-related validity of a certificate. This is already done by the SSL handshake. Therefore, the setting option for this has been removed.
- Biometrics:  
There is a new version of B-Device 2.2.7.
- As soon as the socket for forwarding the debug outputs of the channels is opened, the IP address is used by the GUI.
- When switching between actuators with/without door contacts the sending of events was always enabled, regardless of the according contact was enabled or not (register page 'Door' in the configuration dialogs of CardLink- and Whitelist actuators).
- If a stream name is changed or switched between HTTP and HTTPS, now internally the order file is adjusted (renamed and read in again).
- An error occurred in the installation wizard for standalone/wireless components when trying to create a new CardLink client. This bug has been fixed.
- The following error in the installation wizard for terminals has been fixed: the key ReaderOSUpdatePath in the stream configuration file was not set, so a Reader OS update was not possible later for the terminal.
- If a terminal was registered with DNS name, the menu item for Reader OS Update was always disabled due to the IPv4 check failed.
- If the IP address of a network adapter has been changed, the IP addresses of biometric terminals in the biometric stream BCFTC01 have also been changed, even if they are connected to a different network adapter.
- The removal of a network adapter/terminals in the GUI is now prevented (menu item disabled), if a 1-Click-installation for that terminal is currently active, e.g. Replacement Parameter Download.

#### Helper:

- The Helper commands 'ReadWhitelistActuatorConfigStatus' and 'ReadCardLinkActuatorConfigStatus' didn't work correctly for wireless components..

#### PEC/AC:

- Data management:  
The ID length can be up to 20 digits from FW versions 680-00-X-K00 and 669-03-X-K00.
- Subline:  
The 'KCPEncryptionMode' in Subline is implemented from FW version 680-04-X-K00.
- MobileAccess  
The parameter 'InteractionMode' aka "TapGo" is implemented from FW version 680-03-X-K00.

- Subterminal
  - From FW version 680-03-X-K00 a new parameter 'External antenna' is available. This parameter can only be used and modified if 'PredefinedDoorConfigurationsEnabled' is set to 'false'.
  - It is possible to choose between the address 01/01 and 00/16 for Subterm16 when predefined door configuration is enabled
- Consider upper and lower case letters for Xs/XS and Xd/XD parameter.

#### PEC/HR:

- Password additional:  
The password rules (min = 10, max = 16, valid chars [0-9][a-z][A-Z][!"]()[\@#\$/^\$&+=]) in the X12 parameter record are applied to FW versions 73[5678]-10-X-K00.
- Additional input steps:
  - Fixtext for B-Client HR30 is supported from FW version 735-11-X-K00
  - With FW version 736-11-X-K00 the additional input steps are also available to the same extent as for FW version 735-11-X-K00
  - Leading spaces are accepted in the addInputSteps\_fk\_xx.ini. This applies to the values with the key 'UserInfo[0-9]+' in the sections for language-dependent texts.
- Additional input steps:  
An alternating acoustic signal is not possible when a input device or keyboard entry is in use.
- MobileAccess:  
The parameter 'InteractionMode' aka "TapGo" is implemented from FW version 680-03-X-K00.
- Characterset and Language:  
In the list of used languages only one language can be selected.

#### PEC/PDC:

- Characterset and Language:  
In the list of used languages only one language can be selected.

#### Security updates

- New libraries
  - slf4j-reload4j-1.7.36                      -> added
- Updated libraries
 

Description	previous version	new version
- amqp-client	-5.13.1	-> 5.15.0
- asm	-9.2	-> 9.4
- bcpkix-jdk15on	-1.54	-> 1.70
- commons-net	-3.8.0	-> 3.9.0
- commons-text	-1.9	-> 1.10.0
- cxf-core	-3.5.0	-> 3.5.5
- cxf-rt-bindings-soap	-3.5.0	-> 3.5.5
- cxf-rt-bindings-xml	-3.5.0	-> 3.5.5

- cxf-rt-databinding-jaxb	-3.5.0	-> 3.5.5
- cxf-rt-frontend-jaxws	-3.5.0	-> 3.5.5
- cxf-rt-frontend-simple	-3.5.0	-> 3.5.5
- cxf-rt-transport-http	-3.5.0	-> 3.5.5
- cxf-rt-transport-http-jetty	-3.5.0	-> 3.5.5
- cxf-rt-ws-addr	-3.5.0	-> 3.5.5
- cxf-rt-ws-policy	-3.5.0	-> 3.5.5
- cxf-rt-wsdl	-3.5.0	-> 3.5.5
- gson	-2.8.9	-> 2.9.1
- icepdf-core	-6.2.2	-> 7.0.0
- icepdf-viewer	-6.2.2	-> 7.0.0
- jackson-annotations	-2.13.3	-> 2.14.1
- jackson-core	-2.13.3	-> 2.14.1
- jackson-databind	-2.13.3	-> 2.14.1
- jakarta.activation-api	-1.2.2	-> 2.1.0
- jakarta.xml.bind-api	-3.0.1	-> 4.0.0
- jetty-continuation	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-http	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-io	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-rewrite	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-security	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-server	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-servlet	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-util	-9.4.48.v20220622	-> 9.4.50v20221201
- jetty-util-ajax	-9.4.48.v20220622	-> 9.4.50v20221201
- jmdns	-3.5.7	-> 3.5.8
- joda-time	-2.10.13	-> 2.12.2
- jsch	-0.1.55	-> 0.2.5
- slf4j-api	-1.7.32	-> 1.7.36
- slf4j-log4j12	-1.7.32	-> 1.7.36
- woodstox-core	-6.2.7	-> 6.4.0

- Removed libraries

- cxf-rt-features-logging-3.5.0	-> removed
- ftpserver-core-1.1.1	-> removed
- jai_core-1.1.3	-> removed
- javax.jws-3.1.2.2	-> removed
- javax.mail-api-1.6.2	-> removed
- jaxb-core-3.0.2	-> removed
- jaxb-impl-3.0.2	-> removed
- log4j-1.2-api-2.17.1	-> removed
- log4j-api-2.17.1	-> removed
- log4j-core-2.17.1	-> removed
- mailapi-1.6.4	-> removed
- mina-core-2.1.5	-> removed
- smtp-1.6.4	-> removed



## Installation/Update

### Distribution

- The new B-COMM version 5.4.0 is available for download on the dormakaba **extranet**.

For further questions or information on these release notes, please contact the Business Services and Business Development departments.

### Contact

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