

RELEASE NOTES

System Software

7.1.10

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Version 1.0

Purpose This document describes new features, changes, and solved problems of **System Software 7.1.10**.

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As multiprotocol gateways, Bintec gateways set up WAN connections in accordance with the system configuration. To prevent unintentional charges accumulating, the operation of the product should be carefully monitored. Funkwerk Enterprise Communications GmbH accepts no liability for loss of data, unintentional connection costs and damages resulting from unsupervised operation of the product.

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Guidelines and standards Bintec gateways comply with the following guidelines and standards:

R&TTE Directive 1999/5/EG

CE marking for all EU countries and Switzerland

You will find detailed information in the Declarations of Conformity at www.bintec.net.

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1 Important Information

Please read the following information about **System Software 7.1.10**. As **System Software 7.1.10** is based on System Software 7.1.1, the same conditions apply to the scope of features and the downgrade restrictions.



Note

Please make sure to read all information about upgrading to **System Software 7.1.10** which is available from our website.

1.1 Relevance

These Release Notes are relevant for the following products only:

- **X1000 II**
- **X1200 II**
- **X2100**
- **X2300**
- **X2300s**
- **X2300i**
- **X2300is**
- **X2404**
- **X2500**

All changes in the scope of features described in this document are irrelevant for products not listed above.

1.2 BOOTmonitor Update

Updating to **System Software 7.1.10** requires a BOOTmonitor update on all gateways of the **X2000** Family.

You will find the necessary files in the Download section of your gateway. The BOOTmonitor can be updated just like the system software using the `update` command. A description can be found in the chapter "Configuration Management" in your gateway manual.



Attention!

The BOOTmonitor update must be carried out before the system software update, as otherwise the system software update is not possible.

Gateways of the X2000 Family need a BOOTmonitor version of 6.3.8 or higher.

1.3 Deleting DSL Logic

On devices of the **X2300** Family it is necessary to delete the DSL logic not required before carrying out the update to **System Software 7.1.10**.

Proceed as follows:

1. Go to the flash ROM management shell: `update -i`.
2. Activate a list of all the files saved in the flash ROM: `ls -l`.

You receive the following shell output (e.g.):

```
Flash-Sh > ls -l
Flags      Version   Length  Date                Name ...
Vr-x-bc-B  6.3.04   1740353 2003/06/05 7:53:06  box155rel.ppc860
Vr---l--f  3.8.129  319696  2003/01/24 15:48:05  X2E-ADSLp.x2c
Vr---l--f  3.8.129  315904  2003/01/16 13:17:42  X2E-ADSLi.x2c
Flash-Sh >
```

File "X2E-ADSLp.x2c" is used by **X2300** (ADSL over POTS) and file "X2E-ADSLi.x2c" by **X2300i** and **X2300is** (ADSL over ISDN).

3. Delete the file that does not match your gateway type: `rm X2E-ADSLi.x2c` or `rm X2E-ADSLp.x2c`.
4. Make sure the file has been deleted: `ls -l`.

You now obtain the following shell output (if, for example, you have deleted the logic for ADSL over ISDN):

```
Flash-Sh > ls -l
Flags      Version   Length   Date                Name ...
Vr-x-bc-B  6.3.04    1740353  2003/06/05 7:53:06  box155rel.ppc860
Vr--l--f  3.8.129  319696   2003/01/24 15:48:05 X2E-ADSLp.x2c
Flash-Sh >
```

5. Carry out a "reorg" to finally delete the file from the flash ROM: `reorg`. You can activate a list of the saved files again as a check: `ls -l`.
6. Leave the flash ROM management shell: `exit`.

You have deleted the DSL logic not required.

1.4 Downgrade Restrictions

It is not possible to downgrade directly from **System Software 7.1.10** to a previous version of the system software.



Configurations created with System Software 7.1.10 are not compatible with older versions of system software.

Save a backup copy of your gateway configuration on a PC before you carry out an upgrade.

Please note that certain features will no longer be available after a downgrade.

It is possible to downgrade in stages:

1. Save a backup copy of your gateway configuration on a PC before you carry out an upgrade to **System Software 7.1.10**. Information on saving an external copy of your configuration can be found in the chapter "Configuration Management" in your gateway manual.
2. Now you can carry out the upgrade and still fall back on your old system software version if necessary. After a downgrade you must reload your gateway with the matching configurations for this system software. Information about the necessary steps can be found in your gateway manual.

Further information about upgrade or downgrade restrictions and the documentation for your gateway can be found at www.bintec.de.

1.5 BRICKware Wizard

Our system software has no longer supported the **BRICKware** Configuration Wizard since Release 7.1.1. A new HTML-based Configuration Wizard has been introduced with System Software 7.1.4.

1.6 Software Image Names

The names of the software images have changed and the device code is now placed before the actual release code. If your gateways are configured using the XAdmin configuration tool, you must initially still use the old image names. This is done by just deleting the device code from the name: "X1x00II-b7101.x2x" then becomes "b7101.x2x".

1.7 Prerequisites for Using the AUX Interface

Releases 7.1.1 and 7.1.4 of our system software support connecting an analog or GSM modem to the serial port of your gateway. There is a number of prerequisites that must be met, otherwise connecting a modem may fail.

Please refer to the Release Notes for System Software release 7.1.1 to learn about the supported options and possible restrictions. In particular, note the following:

- Only the modems specified in the Release Notes have been successfully tested and are certified by Bintec. XON/XOFF flow control must be fully supported and functional, otherwise a connection between the gateway and the modem will most probably fail.

- Make sure that the cable used for connecting gateway and modem complies with the specifications detailed in the Appendix to Release Notes 7.1.1. If in doubt, you can purchase a ready converted cable from Bintec.

2 New Features

2.1 Ex Works IPSec Support

To accommodate the rising demand for secure communication, **System Software 7.1.10** per default supports IPSec on all current X-Generation gateways.

After an update to **System Software 7.1.10**, the following products automatically feature a license which allows establishing up to five IPSec tunnels:

- X1000 II
- X1200 II
- X2100
- X2300
- X2300s
- X2300i
- X2300is
- X2404
- X2500

This change is valid for all gateways that have been produced in CW 18/2004 and later. You can extract the production date of your gateway from the serial number: Digits 8 to 11 of the 15 digit serial number display the year and the calendar week of your gateway's production. A **X2300is** with serial number X2xxxxx0426xxxx has thus been produced in 2004 (04), CW 26 (26).

The license that enables the use of IPSec is automatically entered into the **BIBOADMLICENSETABLE** and is displayed in the **LICENSES** menu of the Setup Tool:

```

X2300is compact Setup Tool                               BinTec
[LICENSE]: Licenses                                    MyGateway

Available Licenses:
  IP (builtin), OSPF, IPSEC, CAPI, BRIDGE, X25

Software License ID: X2Y250804260173

Serialnumber      Used for          Description      State
default           Software         easy licensing  ok
X2YIPS05Factory   Software         IPSEC           ok

ADD                DELETE           EXIT

```

The first two digits of the license serial number following the model code (X2Y) and the type of the license (*IPS*) point to the number of enabled IPsec tunnels.



Note

Note that the license does not restrict the number of IPsec peers that can be configured on your gateway, but rather restricts the number of simultaneously active IPsec connections.

If it becomes necessary for the gateway to support more than five IPsec tunnels, you can purchase and install a full IPsec license at any time. If the gateway does not have any model specific restrictions concerning the number of active IPsec connections, this enables an unrestricted number of IPsec tunnels.