

User's Guide
bintec R4100 / R4300
Configuration Management

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Version 1.0

Purpose This document is part of the user's guide to the installation and configuration of bintec gateways running software release 7.4.5 or later. For up-to-the-minute information and instructions concerning the latest software release, you should always read our **Release Notes**, especially when carrying out a software update to a later release level. The latest **Release Notes** can be found at www.funkwerk-ec.com.

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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.funkwerk-ec.com.

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1 Configuration Management Menu

The **CONFIGURATION MANAGEMENT** submenu is described below.

R4100 Setup Tool	Funkwerk Enterprise Communications GmbH
[CONFIG]: Configuration Management	MyGateway
Operation	save (MEMORY -> FLASH)
Name in Flash	boot
Type of last operation	
State of last operation	
START OPERATION	EXIT

- Flash** The gateway saves its configuration in configuration files in the flash EEPROM (Electrically Erasable Programmable Read Only Memory). The data also remains stored in the flash when the gateway is switched off.
- RAM** The current configuration and all changes you set on the gateway during operation are stored in the working memory (RAM). The contents of the RAM are lost if the gateway is switched off. So if you modify your configuration and want to keep these changes for the next time you start your gateway, you must save the modified configuration in the flash memory before switching off: **EXIT → SAVE AS BOOT CONFIGURATION AND EXIT**. This configuration is then saved in the flash as a boot configuration file under the name “boot”. The “boot” configuration file is used as default when starting the gateway.
- Operations** The files in the flash memory can be copied, moved, erased and newly created. It is also possible to transfer configuration files between the gateway and a host via **▶▶ TFTP**.
- Windows** In Windows, you can use the TFTP server of **▶▶ DIME Tools** for this transfer (see **BRICKware for Windows**).
- Unix** A TFTP server is part of the system under Unix.

The **CONFIGURATION MANAGEMENT** menu consists of the following fields:

Field	Description
Operation	Operation you want to perform. See table "Operation selection options," on page 5 .
TFTP Server IP Address	Only for OPERATION = <i>put (FLASH -> TFTP)</i> , <i>get (TFTP -> FLASH)</i> , <i>state (MEMORY -> TFTP)</i> The IP address of the TFTP server from or to which you wish to transfer a configuration file.
TFTP File Name	Only for OPERATION = <i>put (FLASH -> TFTP)</i> , <i>get (TFTP -> FLASH)</i> , <i>state (MEMORY -> TFTP)</i> Name of the configuration file on the TFTP server.
Name in Flash	Name of the configuration file in the flash. Default value is <i>boot</i> .
New Name in Flash	Only for OPERATION = <i>move (FLASH -> FLASH)</i> or <i>copy (FLASH -> FLASH)</i> Name of the new configuration file to be created in the flash.
Type of last operation	Last operation.
State of last operation	The state of the last operation executed. Possible values: <ul style="list-style-type: none"> ■ <i>todo</i>: The operation has not yet been started. ■ <i>running</i>: The operation is being executed. ■ <i>done</i>: The operation has been executed successfully. ■ <i>error</i>: The operation could not be fully executed.

Table 1-1: **CONFIGURATION MANAGEMENT** menu fields

OPERATION offers the following selection options:

Field	Description
save (MEMORY -> FLASH) (Default value)	Save the current settings from the RAM to the NAME IN FLASH file in the flash memory.
load (FLASH -> MEMORY)	Load the configuration from the NAME IN FLASH file in the flash memory. The settings become effective immediately.
move (FLASH -> FLASH)	Rename the configuration file NAME IN FLASH to NEW NAME IN FLASH .
copy (FLASH -> FLASH)	Copy the configuration file NAME IN FLASH as NEW NAME IN FLASH .
delete (FLASH)	Delete the configuration file NAME IN FLASH .
put (FLASH -> TFTP)	Transfer the configuration file NAME IN FLASH from the flash memory to the TFTP host with TFTP SERVER IP ADDRESS to the file TFTP FILE NAME .
get (TFTP -> FLASH)	Transfer the configuration file TFTP FILE NAME from the TFTP host with TFTP SERVER IP ADDRESS to the flash memory to the file NAME IN FLASH . Note: To activate, copy the configuration to the "boot" file or rename it and reboot the gateway.
state (MEMORY -> TFTP)	Transfer the active configuration from the RAM to the file TFTP FILE NAME to the TFTP host with TFTP SERVER IP ADDRESS .
reboot	Restart your gateway and load the configuration from the "boot" file.

Table 1-2: **OPERATION** selection options

To start the configured operation select **START OPERATION** and press **Return**.

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