

User's Guide
bintec R1200 / R1200w(u) / R3000 / R3000w / R3400 / R3800(wu)
Licenses

Purpose This document is part of the user's guide to the installation and configuration of bintec gateways running software release 7.4.10 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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The information in this manual is subject to change without notice. Additional information, changes and **Release Notes** for bintec gateways can be found at www.funkwerk-ec.com.

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.

**How to reach Funkwerk
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1 Menu Licenses

The fields of the *LICENSES* menu are described below.

Licenses This menu is used for activating gateway features with the aid of licenses. Licenses are divided into various types:

- licenses already available in the ex works state of the device (e.g. IP, IPsec, Bridge, PPTP)
- free extra licenses (e.g. STAC, IP address transfer via ISDN)
- extra licenses at extra cost (e.g. additional IPsec licenses, Hardware extension licenses, 1BRI).

Entering license data in the Setup Tool

Certain licenses are preconfigured on the gateway in the ex works state (see [“Licensed functions in ex works state” on page 5](#)). If the data are deleted accidentally, they can be easily recovered using Easy Licensing (see [“Mask” on page 6](#)).

You can obtain the license data for extra licenses via the online licensing pages in the support section at www.funkwerk-ec.com. Please follow the online licensing instructions. Please also note the information on the license card for licenses at extra cost. You will then receive an e-mail with license key (**KEY**) and license serial number (**SERIALNUMBER**).

The functions available on your gateway are listed under **AVAILABLE LICENSES**:

R3000w Setup Tool	Funkwerk Enterprise Communications GmbH		
[LICENSE]: Licenses	MyGateway		
Available Licenses:			
BRIDGE, CAPI, FRAME RELAY, IP (builtin), OSPF, IPSEC(10/60), TUNNEL, EXTENDED25			
Software License ID: R3A110005160100			
Serialnumber	Used for	Description	State
default	Software	easy licensing	ok
R3CIPSFRFactory	Software	IPSEC	ok
R3CE2500Factory	Software	EXTENDED25	ok
ADD	DELETE	EXIT	

The licenses entered are also shown (**SERIALNUMBER, USED FOR, DESCRIPTION, STATE**).

Possible values for **STATE**:

Description	Meaning
ok	Subsystem is activated.
not ok	Subsystem is not activated.
unsupported	You have entered a license for a subsystem your gateway does not support.

Table 1-1: Possible values for **STATE**

Ex works state The following licenses are available on your gateway in the ex works state:

Licenses available in ex works state	Meaning
IP	IP routing
BRIDGE	Bridging
IPSEC	Virtual Private Networking with Internet Protocol Security (VPN-IPSec), 10 active IPSec tunnels
OSPF	Open Shortest Path First
CAPI	Common ISDN Application Programming Interface A software interface standardized in 1989 that allows application programs to access ISDN hardware from the PC. Most ISDN-specific software solutions use the CAPI interface. Such communication applications enable you, for example, to use your PC to send and receive faxes or transfer data over the ISDN.
FRAME RELAY	Frame Relay is a WAN protocol for packet-switched data communication.

Licenses available in ex works state	Meaning
TUNNEL	Virtual Private Networking with PPTP (VPN-PPTP)
EXTENDX25	X.25 protocol including additional functions.

Table 1-2: Licensed functions in ex works state

Free extra licenses The following subsystems are available for the gateways after appropriate licensing (see “Licenses” on page 3):

Subsystem	Meaning
STAC	Data compression method
IPSECCB-IPXFER	IP address transfer in the B-/D-channel for IPsec Callback

Table 1-3: Functions with free license

Extra licenses at extra cost

Subsystem	Meaning
IPSec additional licenses	25 or 50 additional IPsec tunnels
BRI	Additional ISDN S0 interface (not for R3400 and R3800)

Table 1-4: Functions with license at extra cost

Activating extra licenses You can activate the relevant extra licenses by adding the license information online received in the **LICENSES** → **ADD** menu. Existing entries can be edited by tagging the desired list entry and selecting by pressing **Return**.

R3000w Setup Tool [LICENSE] [ADD]	Funkwerk Enterprise Communications GmbH MyGateway
Serialnumber Mask Description	65535 default easy licensing
SAVE	CANCEL

The **LICENSES** → **ADD/EDIT** menu consists of the following fields:

Field	Description
Serial Number	The license serial number you received on buying the license.
Mask	If licenses available in the ex works state have been deleted, confirm the default value: 65535. Is grayed out automatically when a SERIALNUMBER is entered.
Description	Description of subsystem.
Key	License key A parameter received during online licensing, which is entered together with the license serial number. This field is shown automatically when a SERIALNUMBER is entered.

Table 1-5: **LICENSES** menu fields

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	Serial number	3
	Software license ID	3
	License serial number	3
M	Mask	6
O	Online licensing	3, 6
P	PIN	3
S	Serial Number	6
	Serial number	3, 6
	Software license ID	3

