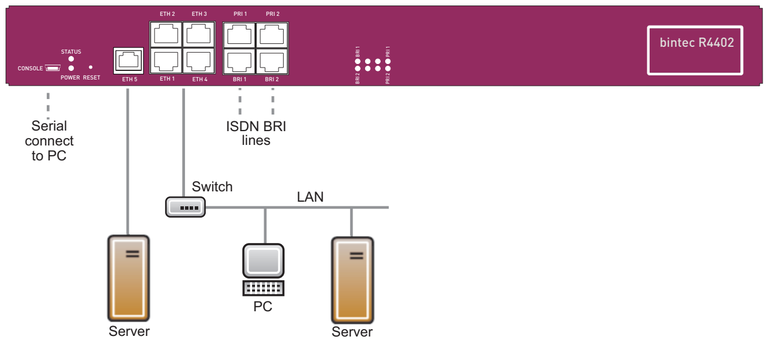
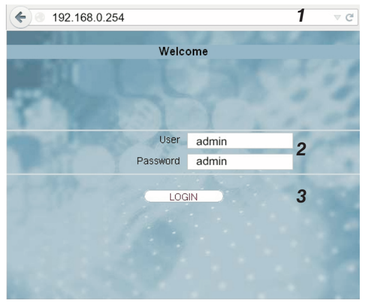
bintec R Series - Installation

R1202; R3002; R3502; R3802 and R4402

bintec elmeg
Teldat Group Company





Login to configuration interface:

1. Enter the IP address *192.168.0.254* in the address line of your browser.
2. Use the following information for your login:
   User: *admin*
   Password: *admin*
3. Click on **LOGIN** in order to get to the configuration interface

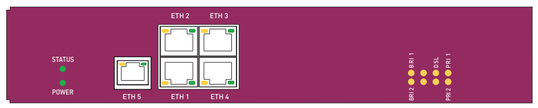
Scope of supply

- 1 x bintec R Series
- 1 x RJ45 Ethernet cable
- 1 x RJ45 ISDN BRI cable
- 1 x serial cable
- 1 x network cable
- 2 x RJ45 ADSL cables (bintec R3002)
- 1 x RJ45 ISDN PRI cable (bintec R4402)
- 1 x 19" bracket
- 1 x screw
- 1 x installation poster
- 1 x Safety Notices
- 1 x if necessary DVD

Safety Notices

- Caution: Any area that cannot be opened using a tool is classed as a safety area.
- The air inlets should be kept clear. The device should not be exposed to direct sunlight or any other source of heat.
- When connecting any telecommunications network (TNV circuit), care should be taken to avoid electrical shock.
- The device and the internal connections should only be assembled and installed inside a building.
- The device may only be operated using the approved power supply unit which comes supplied.
- Ensure that only CE-certified terminals are connected to the device.
- It will not be possible to access the device via the external ISDN and DSL connection during a power failure.
- No liquids should be allowed to get inside the device or the power supply unit.
- Before releasing the device for repair, you should save all the data and then reset the telephone unit to its ex works state.

LEDs



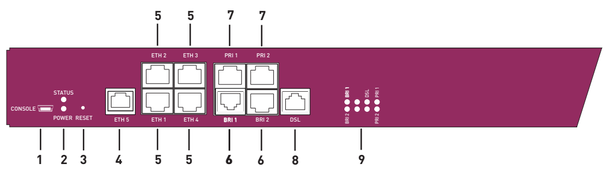
The LEDs provide information on the device's activities and statuses

LED	Colour	Status	Information
Power	Green	On	The power supply is connected
		Off	No power supply
Status	Green	On	After switching on: Start-up process During operation: Error has occurred
	Green	Flashing	The device is active
		Off	Während des Betriebs: Fehler aufgetreten
ETH 1 to 5	Green	On	The device is connected to the Ethernet at 1 Gbps
	Green	Flashing	Data traffic at 1 Gbps
	Orange	On	The device is connected to the Ethernet at 100 mbps
	Orange	Flashing	Data traffic at 100 mbps
	Green and Orange	On	The device is connected to the Ethernet at 10 mbps
	Green and Orange	Flashing	Data traffic at 10 mbps
BRI 1 to 2	Orange	On	A B-channel is active
		Flashing	Both B-channels are active
PRI 1 to 2	Orange	On	Layer 1 is active
		Flashing	At least one B-channel is active
DSL	Orange	On	The DSL synchronisation was successful
			The DSL connection is active (ADSL/SHDSL/VDSL)
		Flashing	Data traffic via the DSL interface (ADSL/SHDSL/VDSL)

Status LED - Status of router in BRRP operation

LED	Colour	Status	Information
Status	Green	On	The device is functioning as a master router
Status	Green	Off	The device is functioning as a backup router
Status	Green	Flashing	The device is being initialised

Connectors



The following connectors are available depending on the device:

1	CONSOLE	Serial interface
2	POWER/STATUS	LED display for power and status
3	RESET	Reset button
4	ETH5	10/100/1000 Base-T Ethernet interface
5	ETH1 - 4	10/100/1000 Base-T Ethernet interface
6	BRI1 - BRI2	ISDN BRI interface (only bintec R4402)
7	PRI1 - PRI2	ISDN-PRI interface (only bintec R4402)
8	DSL	DSL interface (bintec R3002; R3502 and R3802)
9	LED	LED display

The network connection and the on/off switch are located on the back of the device.

Setting up and connecting

Mounting:
Use as a table-top device - Affix the rubber feet supplied to the underside of the device.
Installation in 19-inch cabinet - Screw your device into the cabinet using the supplied bracket and screws.

Installation:

ETH1 - 4:
Connect the first switch port (ETH1) of your device to your LAN using the Ethernet cable supplied in order to configure the device. The device automatically detects whether it is connected to a switch or directly to a PC. Connect additional devices, LANs or WANs to the ETH1 to ETH4 connectors.

DSL/ADSL/VDSL/SHDSL:
Connect the xDSL interface of your device to the xDSL output of the splitter using the xDSL cable supplied.

ETH5:
Connect the ETH5 interface of your device to your e.g. WAN interface using a RJ45 cable.

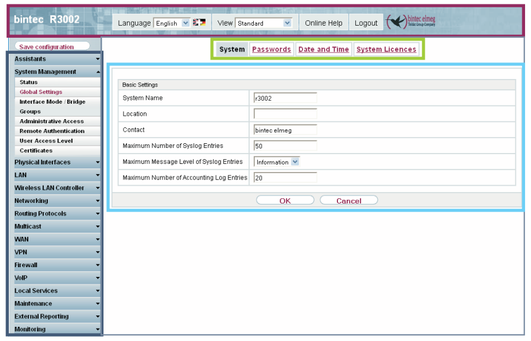
BRI:
Connect the BRI interface of your device to your ISDN socket using the ISDN cable supplied.

CONSOLE:
Connect the USB Type B console of your device to your PC using a USB cable.

POWER:
Connect the POWER interface of your device to your power supply using the electrical cord supplied.

PRI (only bintec R4402)
Connect the PRI interface of your device to your ISDN socket using the ISDN PRI cable supplied.

Configuration interface



After successfully logging in, you will now find yourself in the configuration interface. This is structured as follows:

Header
Language: Select the language for the configuration interface.
View: Select whether you want to use the default configuration interface or the built-in SNMP browser for configuration purposes.
Online Help: Call the help function by clicking the button.
Logout: Click this button to log out of the configuration interface.

Navigation bar
The various settings are sorted into groups in the navigation bar. Click on an entry in order to open the corresponding submenu. If you click on a submenu, the available settings parameters will then be displayed to you in the main configuration window.

Main configuration window
You can then switch back and forth between individual settings pages using the control elements in the top part (▬) of the main configuration window.
Use the bottom part (▬) of the main configuration window in order to configure your device.

Reset

If the configuration is incorrect or if your device cannot be accessed, you can reset the device to a predefined initial state using the Reset button:

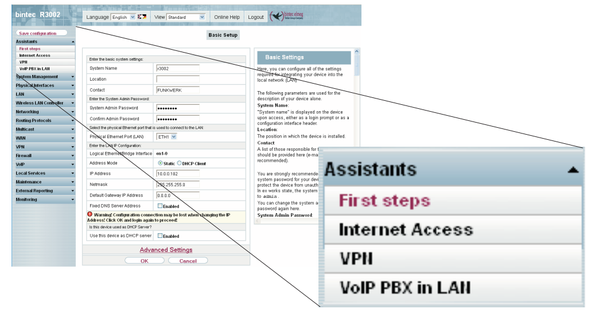
- After pressing briefly once, the device restarts.
- If you hold the **Reset** button until the Status LED starts to flash, then the device will complete a factory reset. By doing this, the boot configuration is deleted and all passwords are reset.

If you delete the boot configuration using the **Maintenance** → **Software & Configuration** GUI menu, all passwords will also be reset and the current boot configuration deleted. The next time, the device will boot with the standard ex works settings.

DIME Manager

Basic configuration **with DHCP server**:
The devices are designed for use with **DIME Manager**. With the **DIME Manager** management tool, bintec elmeg provides a free tool for the management of devices in the **bintec** range.
Your **bintec** management tool can locate your bintec devices within the network quickly and easily.
All devices in the local network, including remote devices that can be reached over SNMP, are located using SNMP Multicast irrespective of their current IP address.
A new IP address and password and other parameters can also be assigned.
If using HTTP, the **DIME Manager** automatically logs into the devices on your behalf.
You can find the **DIME Manager** on the enclosed product DVD.

Basic configuration



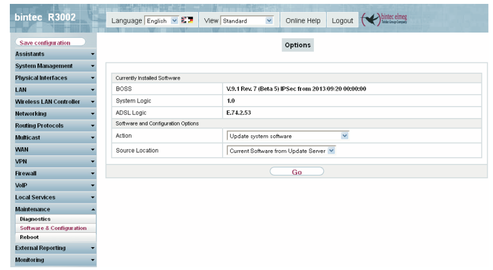
You can perform the basic configuration of the device via the assistants. Proceed as follows:

Initial Steps:
All bintec elmeg devices are shipped with the same user names and passwords. Change the login password in the **Assistants** → **First steps** → **Basic Settings** menu under **System Administrator Password** and **Confirm System Administrator Password**. Confirm your changes with **OK**.
If you also enable the **Use this device as a DHCP server** option, then IP addresses are assigned to the clients. For **IP address range**, enter a suitable range for your **gateway IP address**, e.g. *192.168.0.1 - 192.168.0.70*. Confirm your changes with **OK**.

Save Configuration:
Your changes can only be found in the volatile memory at the moment and are lost when restarting or in the event there is a power failure.
Click on the **Save Configuration** button in the navigation bar in order to save your settings in the non-volatile memory.

Internet Access:
In addition to an ADSL connection over the internal ADSL2+ modem, you can also connect your device to the Internet via the external xDSL modem or an external gateway/cable modem.
In order to establish Internet access via the internal ADSL modem, select *Internal ADSL Modem* under **Connection Type** in the **Assistants** → **Internet Access** → **Internet Connections** → **New** menu, and confirm with **OK**.
Follow the steps shown by the assistant. The assistant has its own online help, which offers all of the information you may require.
Once you have exited the assistant, save the configuration by clicking on the **Save Configuration** above the menu navigation.

Update



The device is operated using the latest system software version at the time of production. The system software is continually being developed in order to increase the security and range of functions of the device.

You need to have a functioning Internet connection in order to be able to update the system.

You can perform a software update in the **Maintenance** → **Software & Configuration** → **Options** menu.
Select *Update System Software* under **Action**.
Then select *Current software from update server* under **Source**.
Click **Go** to start the update process.
Once the new system software is installed, you must then restart the system. If an error occurs during the update process, do not restart the device and contact bintec elmeg's Customer Service team.

Info

Manual, software and workshops:
You will find the latest manual, the Dime Manager and additional information on our website at www.bintec-elmeg.com.

Contact:
If you have any questions about your new product, or if you require further information, the bintec elmeg GmbH Support Centre can be reached Monday to Friday, between the hours of 9 am and 5 pm, at

Telephone: +49 911 9673 0
Fax: +49 911 688 0725

For detailed information about our support and service offers please visit our website at www.bintec-elmeg.com.

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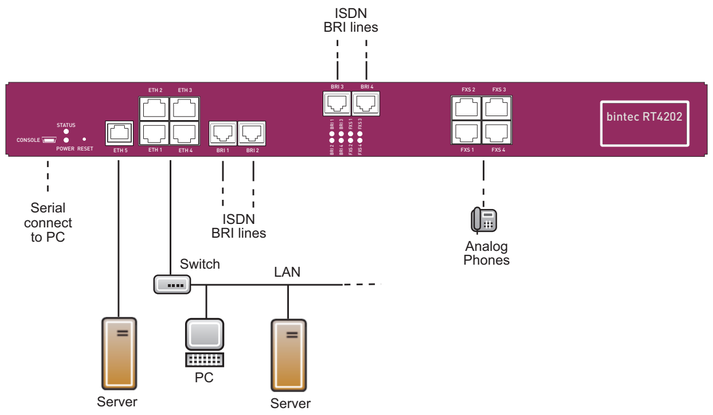
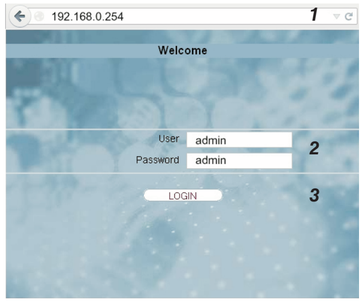
bintec RT Series - Installation

RT1202; RT3002; RT4202 and RT4402





Login to configuration interface:

1. Enter the IP address *192.168.0.254* in the address line of your browser.
2. Use the following information for your login:
   User: *admin*
   Password: *admin*
3. Click on **LOGIN** in order to get to the configuration interface

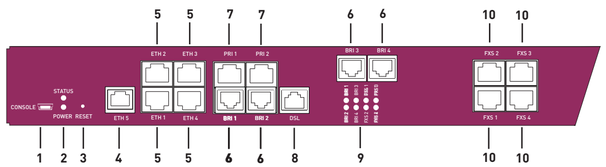
Scope of supply

- 1 x bintec RT Series
- 1 x RJ45 Ethernet cable
- 1 x RJ45 ISDN BRI cable
- 1 x serial cable
- 1 x network cable
- 2 x RJ45 ADSL cables (bintec RT3002)
- 1 x RJ45 ISDN PRI cable (bintec RT4402)
- 1 x 19" bracket
- 1 x screw
- 1 x installation poster
- 1 x Safety Notices
- 1 x if necessary DVD

Safety Notices

- Caution: Any area that cannot be opened using a tool is classed as a safety area.
- The air inlets should be kept clear. The device should not be exposed to direct sunlight or any other source of heat.
- When connecting any telecommunications network (TNV circuit), care should be taken to avoid electrical shock.
- The device and the internal connections should only be assembled and installed inside a building.
- The device may only be operated using the approved power supply unit which comes supplied.
- Ensure that only CE-certified terminals are connected to the device.
- It will not be possible to access the device via the external ISDN and DSL connection during a power failure.
- No liquids should be allowed to get inside the device or the power supply unit.
- Before releasing the device for repair, you should save all the data and then reset the telephone unit to its ex works state.

Connectors

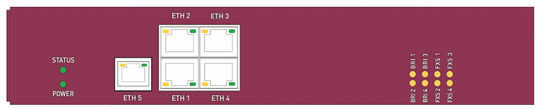


The following connectors are available depending on the device:

1	CONSOLE	Serial interface
2	POWER/STATUS	LED display for power and status
3	RESET	Reset button
4	ETH5	10/100/1000 Base-T Ethernet interface
5	ETH1 - 4	10/100/1000 Base-T Ethernet interface
6	BRI1 - BRI2	ISDN BRI interface
7	PRI1 - PRI2	ISDN-PRI interface
8	DSL	DSL interface
9	LED	LED display
10	FXS1 - FXS4	FXS interface

The network connection and the on/off switch are located on the back of the device.

LEDs



The LEDs provide information on the device's activities and statuses:

LED	Colour	Status	Information
Power	Green	On	The power supply is connected
		Off	No power supply
Status	Green	On	After switching on: Start-up process During operation: Error has occurred
	Green	Flashing	The device is active
		Off	During operation: Error has occurred
ETH 1 to 5	Green	On	The device is connected to the Ethernet at 1 Gbps
	Green	Flashing	Data traffic at 1 Gbps
	Orange	On	The device is connected to the Ethernet at 100 mbps
	Orange	Flashing	Data traffic at 100 mbps
	Green and Orange	On	The device is connected to the Ethernet at 10 mbps
	Green and Orange	Flashing	Data traffic at 10 mbps
BRI 1 to 4	Orange	On	A B-channel is active
		Flashing	Both B-channels are active
PRI 1 to 2	Orange	On	Layer 1 is active
		Flashing	At least one B-channel is active
FXS 1 to 4	Orange	On	Incoming call to terminal
		Off	The call is terminated or the connection could not be established
DSL	Orange	On	The DSL synchronisation was successful The DSL connection is active (ADSL/SHDSL/VDSL)
		Flashing	Data traffic via the DSL interface (ADSL/SHDSL/VDSL)

Status LED - Status of router in BRRP operation

LED	Colour	Status	Information
Status	Green	On	The device is functioning as a master router
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Setting up and connecting

Installation:
Use as a table-top device - Affix the rubber feet supplied to the underside of the device.
Installation in 19-inch cabinet - Screw your device into the cabinet using the supplied bracket and screws.

Installation:

ETH1 - 4:
Connect the first switch port (ETH1) of your device to your LAN using the Ethernet cable supplied in order to configure the device. The device automatically detects whether it is connected to a switch or directly to a PC. Connect additional devices, LANs or WANs to the ETH1 to ETH4 connectors.

ADSL (only bintec RT3002):
Connect the DSL interface of your device to the DSL output of the splitter using the DSL cable supplied.

ETH5:
Connect the ETH5 interface of your device to youre e.g. WAN interface using a RJ45 cable.

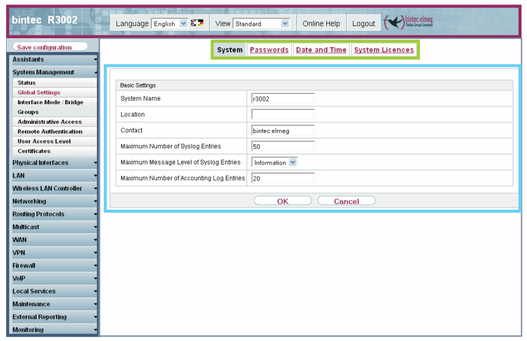
BRI:
Connect the BRI interface of your device to your ISDN socket using the ISDN cable supplied.

FXS (only bintec RT4202):
Connect your analogue telephone or your analogue fax to the FXS socket.

CONSOLE:
Connect the USB Type B console of your device to your PC using a USB cable.

POWER:
Connect the POWER interface of your device to your power supply using the electrical cord supplied.

Configuration interface



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DIME Manager

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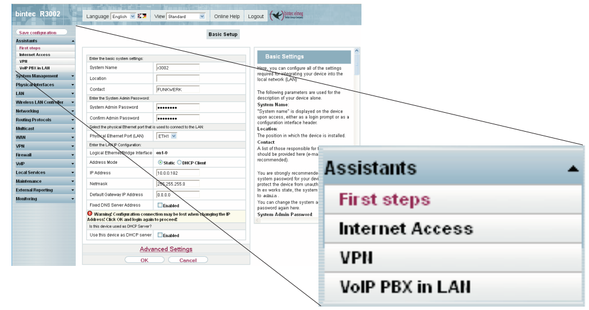
Basic configuration



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Save Configuration:
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Internet Access:
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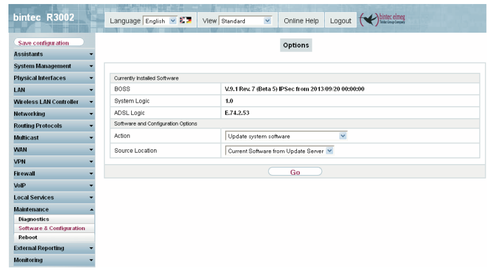
Update



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Info

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Contact:
If you have any questions about your new product, or if you require further information, the bintec elmeg GmbH Support Centre can be reached Monday to Friday, between the hours of 9 am and 5 pm, at

Telephone: +49 911 9673 0
Fax: +49 911 688 0725

For detailed information about our support and service offers please visit our website at www.bintec-elmeg.com.

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