

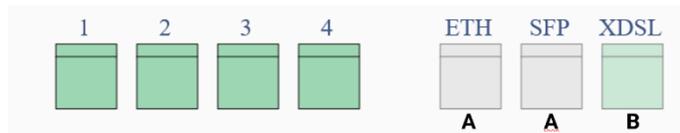
1 On-site installation

On site, you only need to take a few steps to get a router up and running.

1.1 Connection

1.1.1 SDx1020 Series

Depending on the type, devices of this series can establish an Internet connection via xDSL, Ethernet (RJ45 or SFP) or LTE (SDx1020-4G..):

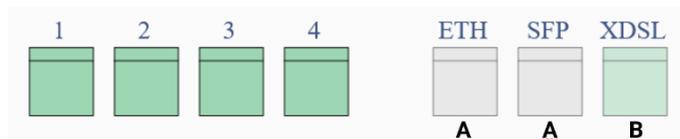


- **A** - Internet access via Ethernet for connection to an existing access router or modem
- **B** - xDSL- direct access via DSL connection.

For Internet access via LTE, a SIM card must be installed. Refer to the router manual for information.

1.1.2 SDx3020-Series

Depending on the type, devices of this series can establish an Internet connection via xDSL, Ethernet (RJ45 or SFP) or LTE (SDx3020x-4G..):

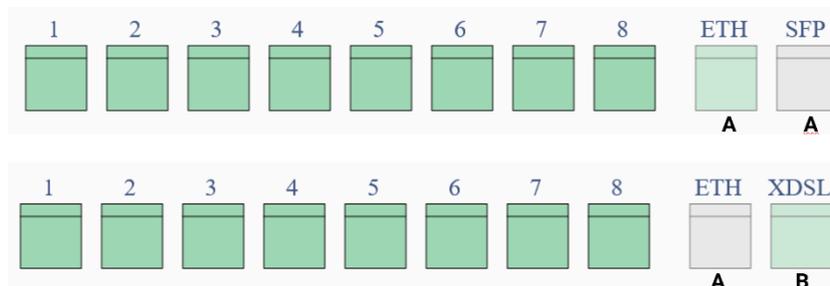


- **A** - Internet access via Ethernet for connection to an existing access router or modem
- **B** - xDSL- direct access via DSL connection.

For Internet access via LTE, a SIM card must be installed. Refer to the router manual for information.

1.1.3 SDx5020-Series

Depending on the type, devices of this series can establish an Internet connection via xDSL or Ethernet (RJ45 or SFP):



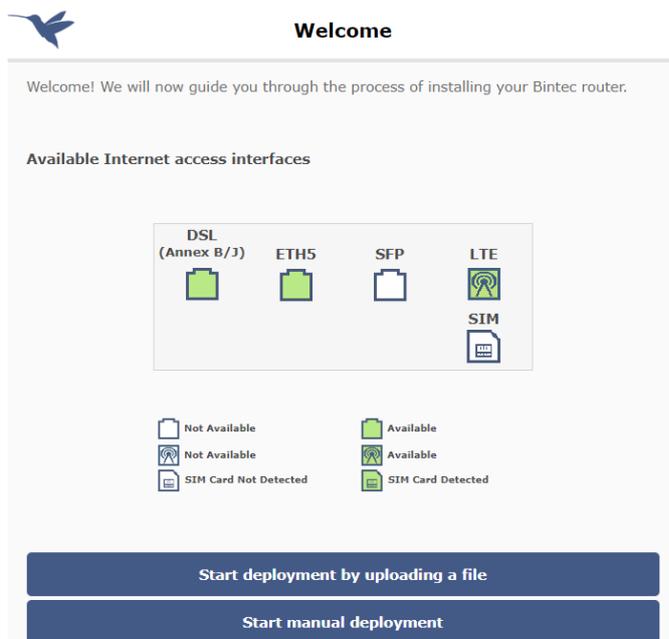
- **A** - Internet access via Ethernet for connection to an existing access router or modem
- **B** - xDSL- direct access via DSL connection.

1.2 Calling up the installation interface

Since the local router is not yet integrated into the network, connect a PC to one of the LAN ports so that the PC receives an IP address via DHCP. If you then open a web browser, you will automatically be redirected to the Installation Wizard home page.

Do not connect a router in an ex-works state to an existing network. Since a DHCP server is active on the device at this time, this can lead to network problems.

Logging in is not necessary, as you immediately see a summary of the available connections:



Green connections are available for the connection, white ones are not.

You can choose between two provisioning methods:

- by uploading a configuration file (**Start deployment by uploading a file**)
- by using a configuration wizard (**Start manual deployment**).

In the most convenient case, you have received a configuration file suitable for the location and the router.

1.3 Uploading a configuration file

- Select **Start deployment by uploading a file**:



Upload a configuration file

Upload a file: No file has been selected

Choose rollback mode:

Manual Auto

In manual rollback mode, if there is no Internet connectivity when the device restarts after the configuration file (selected above) is uploaded, factory settings need to be restored manually. To do this, please follow the instructions set forth in the installation manual.

- Select the configuration file.
- On site, activate the **Auto** rollback mode: If no Internet connection is established, the router will automatically reset, and you can start over.
- Click **Upload**. If the transfer completes correctly, click **Save & Restart**. The router will restart to activate the configuration.

1.4 Alternative: Manual Internet Access Setup

Alternatively, you can use a configuration wizard to set up the Internet access required for installation. In this case, select the option **Start manual deployment** on the start page.

1.4.1 Selecting the connection type

Depending on the hardware configuration of your router, you can connect to the Internet in different ways:



Connect to the Internet

How are you going to connect to the Internet?

DSL	Ethernet	SFP	LTE
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Select the type of connection that applies to the location and click **Connect**.

1.4.1.1 Internet access via DSL

If you select one of the predefined providers here, you only must enter the corresponding login credentials.



Connect to the Internet

How are you going to connect to the Internet?

DSL
 Ethernet
 SFP
 LTE

Please ensure that the DSL cable is plugged.

Choose configuration:

Quick settings
 Advanced settings

Country:

Carrier:

Username:

Password:

When you create a custom provider, the wizard switches to advanced setup mode. In this case, additional information should be available for the installation.

1.4.1.2 Internet access via LTE

Here you must enter the connection data of your LTE provider. You will find the relevant information in the documents of your mobile phone contract:



Connect to the Internet

How will you connect to the internet?

DSL
 LTE
 Ethernet

Choose configuration:

Quick settings
 Advanced settings

Country:

Carrier:

PIN:

APN:

Username:

Password:

Auth Protocol:

1.4.1.3 Internet access via Ethernet

Finally, you can also connect to the Internet using an upstream modem or an existing access router. Usually, the router to be installed is configured via DHCP:

Simply select the **country** of installation and then the *Generic (DHCP)* value under **Carrier**. The router immediately attempts to obtain a configuration via DHCP.

If a more complex configuration is required, you can switch to advanced setup mode. In this case, more information should be available for the installation.

1.5 Authorization at the platform

As soon as the router has successfully connected to the Internet, it contacts the **be.SDx** platform.

- Click **Continue**
- Enter the login credentials and click **Login**:

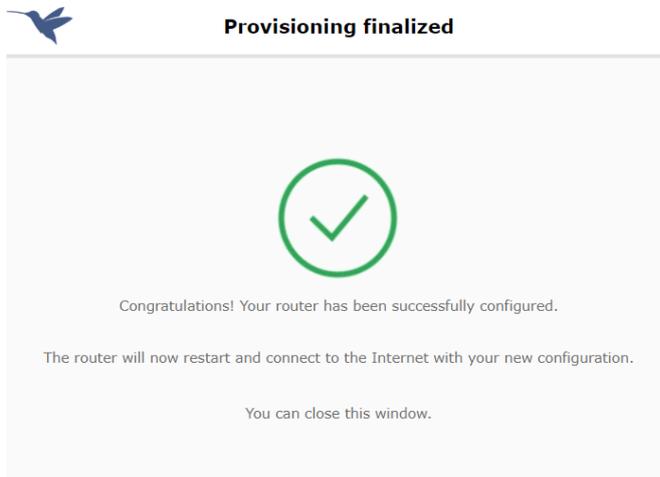
- Select the location where you are performing the installation.

If the platform provides for automatic authorization, no further action is required. If you have selected authorization by e-mail, an authorization link will be sent to the e-mail address you specified.

1.6 Retrieving the final configuration

Once the router has successfully logged on to the platform, the configuration is synchronized to ensure that it is operating with the latest settings.

- Click **Install configuration**. The configuration is downloaded from the platform. The router restarts and activates the current configuration:



The router is now displayed as managed on the **be.SDx** platform.