



**Quick start guide**  
**IPG170 / IPG170P**

## General

To ensure reliable function of the product please read this manual carefully. The liability of Eltako GmbH for defects shall be excluded if the defects are due to usage not according to the intended purpose or ignoring the operating instruction (incorrect installation, incorrect start-up, incorrect operation, etc.).

The intended purpose of IPG170(P) is the bidirectional communication of EnOcean radio signals via Ethernet (TCP/IP).

### 1. Scope of delivery

- IPG170 / IPG170P
- antenna 8,68 cm with SMA-Connector
- external power supply and cables
- 1 x Ethernet connecting cable 2m RJ45
- Quick start guide (this manual)

### 2. Specifications

Processor: TI AM3352, 800 MHz

Memory: RAM 512 MB DDR 3 and 512 MB NAND

Integrated radio transmitter EnOcean TCM320

2 x 10/100 Mbit LAN, with 1 x PoE support (802.3at, type 2, class 4) for model IPG170P

Supports EnOcean wireless protocol ESP3

Metal housing, wall mounting via slot holes

### 3. Connections of the IPG170 / IPG170P



figure1: Connections of the IPG170(P)

### 4. First start-up

- Connect the external power supply to an 230V socket and connect it with the IPG170(P)
- Connect the IPG170(P) with a available LAN
- The PoE connection is only needed if you want to use power supply via LAN cable
- Standardly the IPG170(P) is configured as follows: DHCP active, without DHCP the preset IP-address 192.168.168.168 remains

## 5. BSC BAP-Finder installation

The BSC BAP-Finder is a tool for the initial setup and configuration of the IPG170(P). To include the IPG170(P) in your network, a configuration has to be made to the relevant IPG170(P). The software is installed on the Eltako GFVS II or Eltako GFVS Touch and is available under the menu item system tools /GFVS Tools.

## 6. BSC BAP-Finder configuration

After the first start the following dialog is shown:

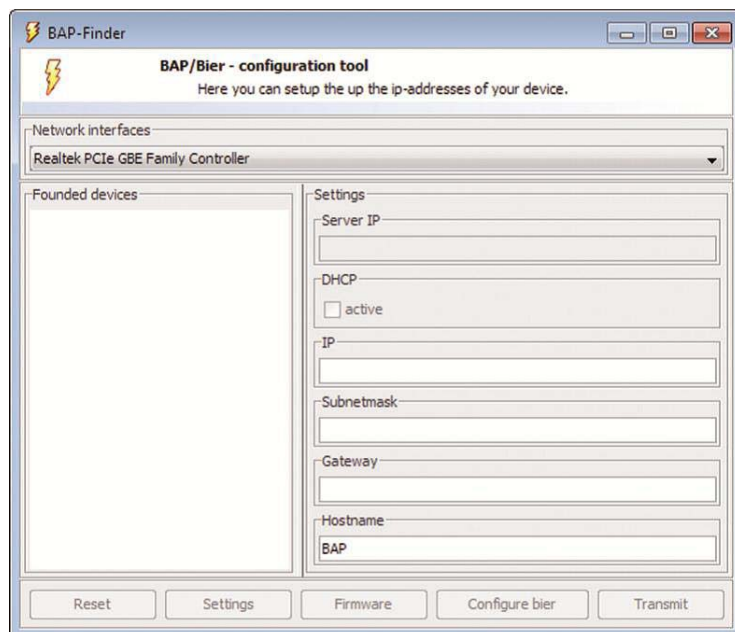


Figure 2: BSC-Bap-Finder configuration

The area "Network interfaces" shows all installed network interfaces. All in your network available IPG170(P) are shown in the area "Founded devices". If not, change the network interface and wait a moment. In the right pane of the dialog you will find field that must be filled out to configure a specific IPG170(P). Enter for example IP address and subnet mask and click on "Transmit".

The button "Transmit" is used to transfer your desired configuration settings for a particular IPG170(P).

- Note:** If you made a mistake when creating the configuration, or there were errors in transmission, you can reset the IPG170(P) to factory settings. You just unplug from the power supply, wait until the green LED lights up and press then within 10 seconds the reset button. Then the IPG170(P) will restart automatically with the standards default setting.

Select the desired IPG170(P) on the left side of the BAP-Finder. The appropriate settings will be shown on the right side.

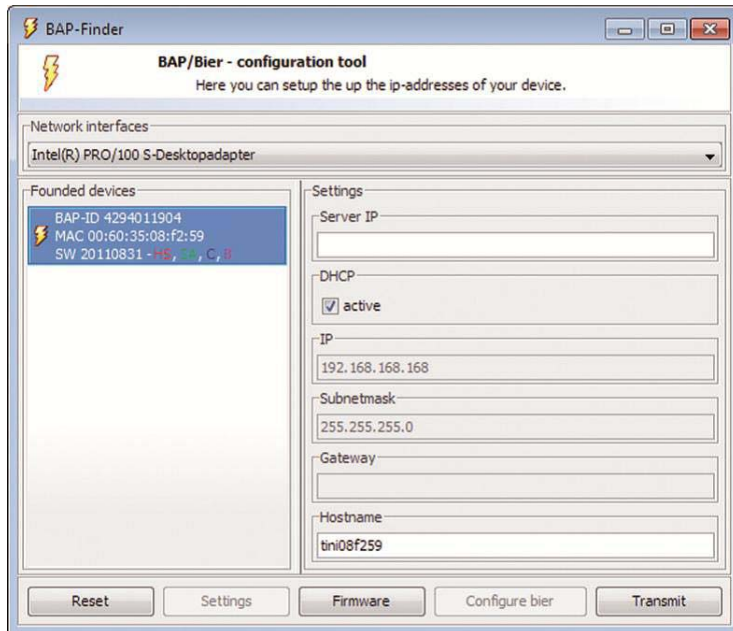


Figure 3: located IPG170(P)

By selecting a IPG170(P) the field "IP" shows the assigned IP address. In an automatic IP address assignment (DHCP), you will receive a free IP address of your network. Is not an automatic IP address assignment used, the IP 192.168.168.168 appears. In this case, you have to enter the new IP address in the field "IP".

In the field "Subnet mask" the subnet mask of your network must be entered . The IPG170(P) also must be informed which IP address the server (where BSC-BoSe pro is installed) holds. You enter this IP in the field "BoSe IP". If your network consist of different IP ranges and is connected to a gateway, the IP address must be filled into the "Gateway" field.

The button "Transmit" is used to transfer your desired configuration settings for a particular IPG170(P).

Once the data has been successfully sent to the IPG170(P) you receive the following message:

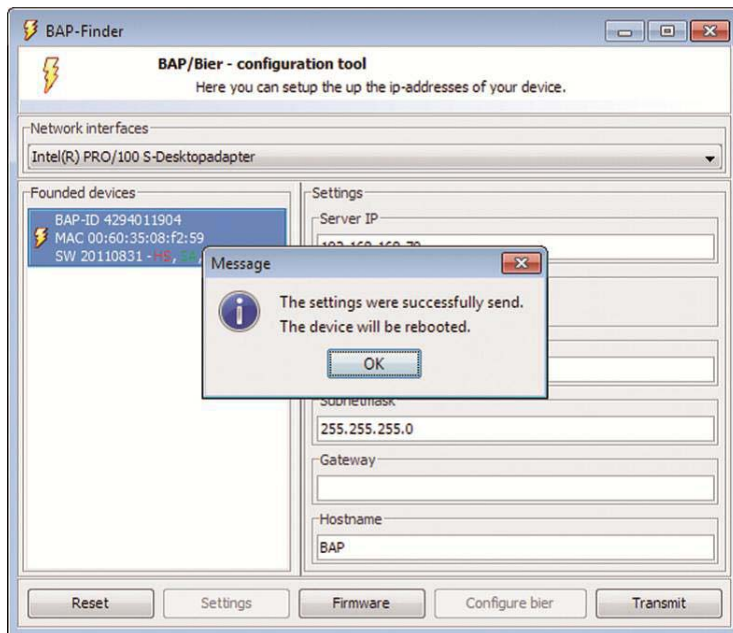


Figure 4: confirmation settings changed

## 7. Firmware update

After the first start of the BAP-Finder the following dialog is shown:

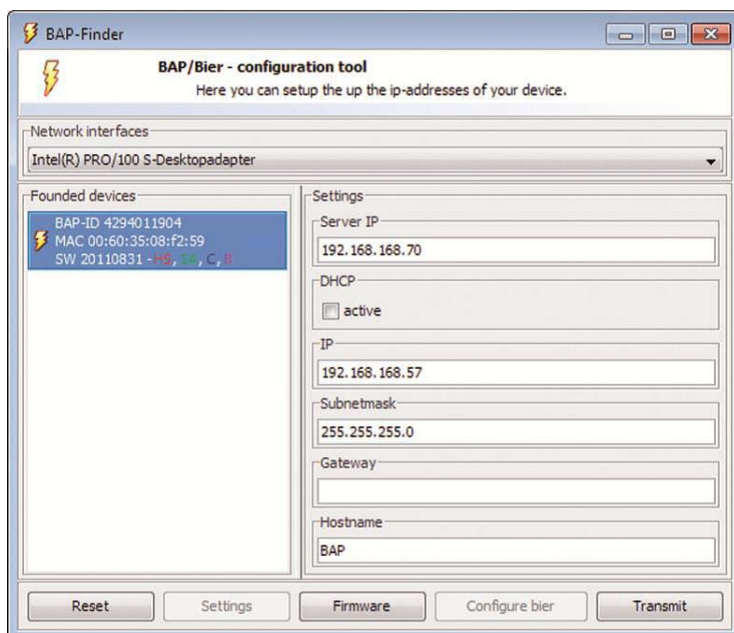


Figure 5: select IPG170(P)

Choose the IPG170(P) in the left pane of the dialog box. The settings are displayed on the right side.

**Note:** The configuration and the firmware update are only possible if the IPG170(P) is in the same subnet as the PC. If necessary, remove the check next to “DHCP” and add the IP from the IPG170(P) manually.

Select the IPG170(P) on the left side, and then click on the button „firmware“.

The dialog „Firmware update“ appears:

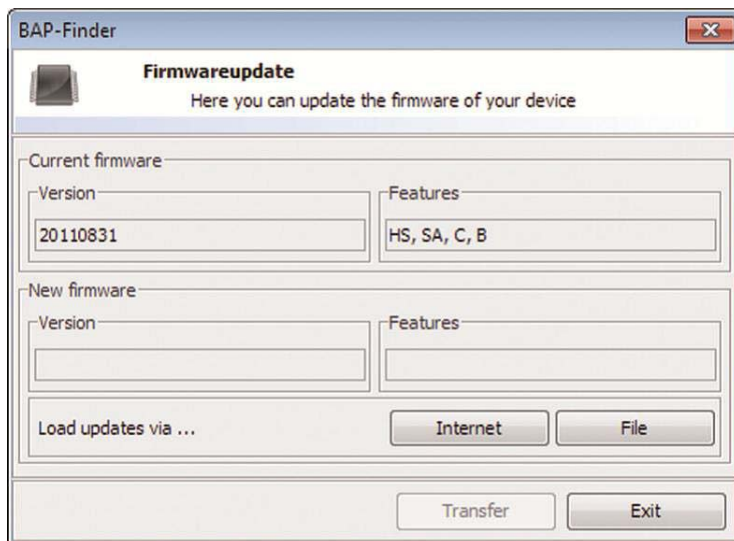


Figure 6: firmware update IPG170(P)

To update the firmware from a file, click on „File“. In the subsequent dialog, select the file location and press “Open”.

The following dialog compares the version number and the features of the previous and the new firmware:

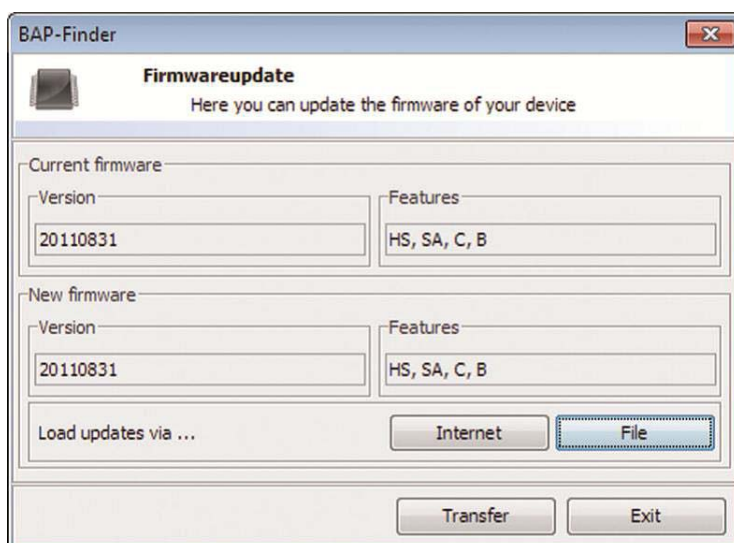


Figure 7: transfer new firmware IPG170(P)

By clicking on „Transfer“ the new firmware will be transferred to the IPG170(P).

If your PC have internet access the firmware can be updated alternatively via the internet.



figure 8: writing firmware

**Note:** During these operations the IPG170(P) must not be separated from the power supply!.

By clicking on „Transfer“ the new firmware will be transferred to the IPG170(P):



figure 9: rebooting IPG170(P)

To confirm the operation the message “The firmware update was successful.” appears.



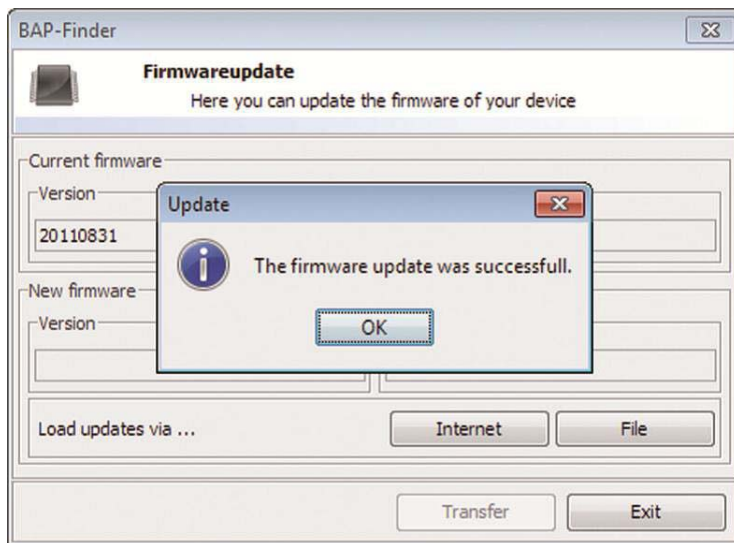


figure 10: confirmation firmware update

## 8. Standard default settings

Via the button “Reset” at the bottom of the BAP-Finder you have the option to reboot the IPG170(P) or reset to factory settings.

By clicking on the button “Reset” the following dialog appears:

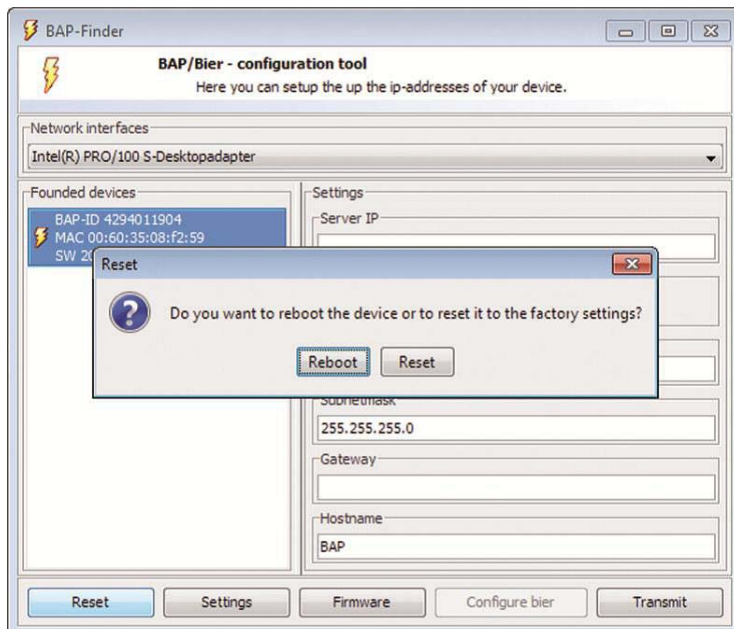


figure 11: reset IPG 170(P)

Choose “Reboot” or “Reset”. Then the IPG170(P) is rebooting:

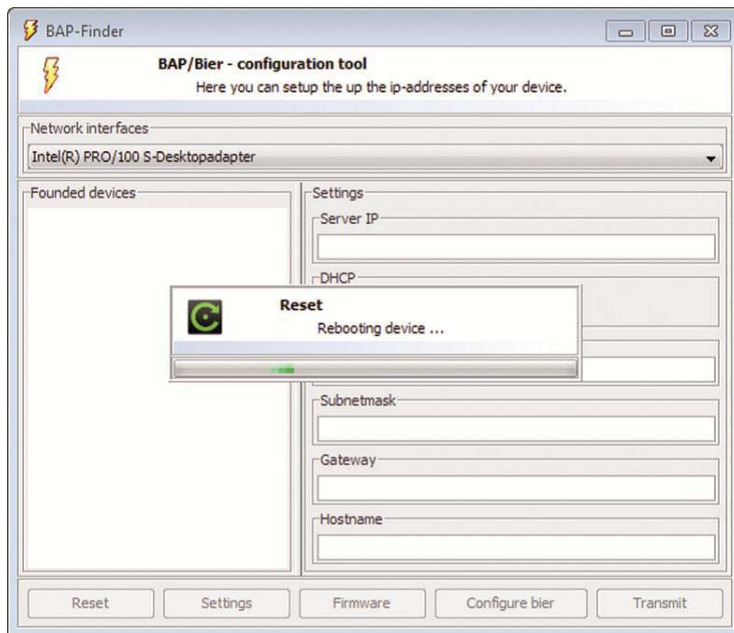



Figure12: rebooting IPG170(P)

Via the button (  ) in the upper right corner you close the BAP-Finder.

## 9. Technical support

For Support please contact:

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