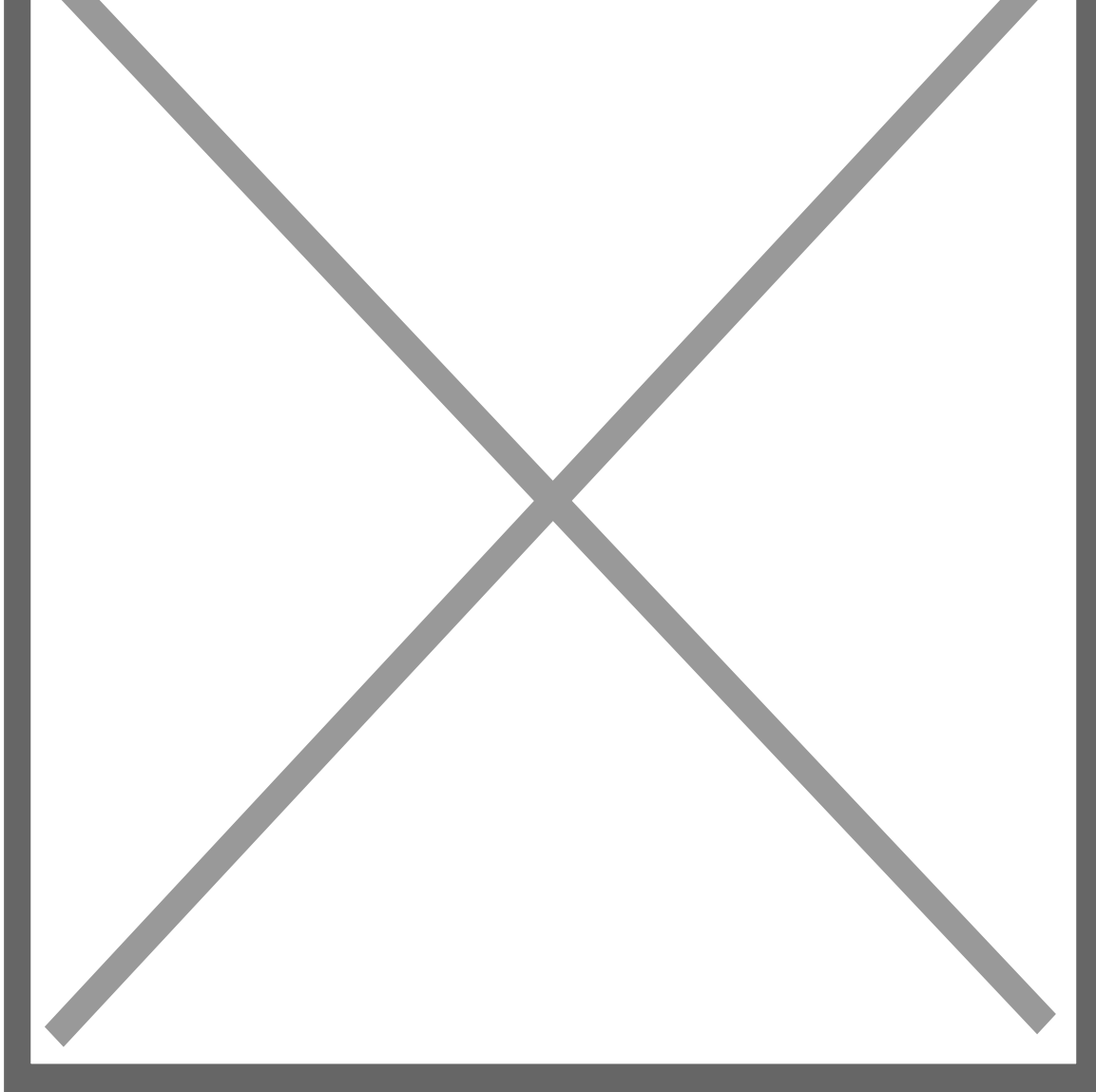# Issues Integration in the WLAN-Network

Integrating the Shellys into your home Wi-Fi network can sometimes be really frustrating. Several attempts are made, reset, new attempt, reset, new attempt, ... The game seems endless.

Often the problem sitting in front of the keyboard! ;) Age content or type unknown

Here are some ways to explain why [WLAN](#) integration failed:

- **SSID incorrect** -> upper and lower case note, literal error
- **Workaround Problem Special characters: Copy SSID from router -> copy & paste**
- **Network key incorrect** -> upper and lower case note, literal error
- **Network ID incorrect** -> *IP* - outside the home network address range, *Network mask* wrong or missing
- **Gateway wrong or missing** -> usual IP Router
- **IP** should be **outside the DHCP range**
- Radio frequency: **2.4 - 2.5 GHz** -> *5.0 GHz Disable frequency in the router if necessary*
- **Connect mobile device (iOS / Android) to the 2.4 GHz network**

- **Router-settings:**

1. Wi-Fi security: Set to "**Allow all new Wi-Fi devices**"
2. If you have a successful connection, you can reset this setting.

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