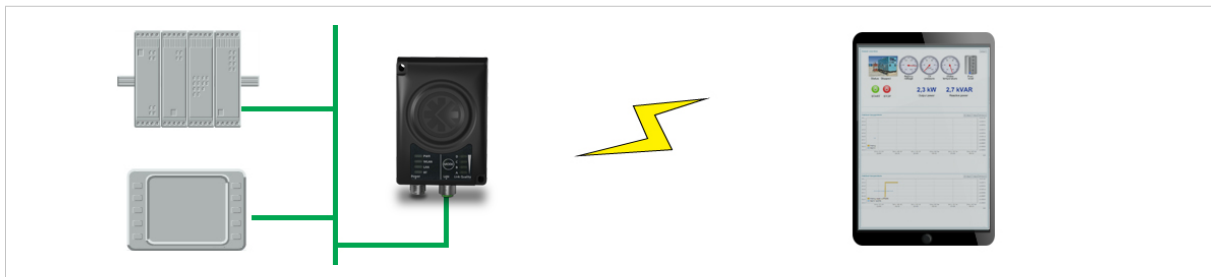


*This document does not include the complete instructions for the safe use of the described equipment. Make sure that you have read and understood the safety instructions in the user documentation for the described equipment before proceeding.*

# Anybus<sup>®</sup> Wireless Bridge II<sup>™</sup>

## Configuration Examples

### Accessing PLC via WLAN from handheld device



**Fig. 1** Accessing a PLC from a handheld device using WLAN

This example describes how to use a Wireless Bridge to access the web interface of a PLC on a wired network from a tablet or smartphone which uses DHCP. The Wireless Bridge will function as a WLAN access point.

Please refer to the documentation for the handheld device and PLC on how to configure their respective network settings.

#### Configuration

1. Reset the Wireless Bridge to the factory default settings.
2. In **Network Settings**, configure the IP settings as required.
  - a. If the wired network uses DHCP, select **DHCP Relay Enabled**. The DHCP server on the network will now be able to allocate an IP address to the handheld device.

Internal DHCP Server

- b. If the wired network uses static IP, select **DHCP Server Enabled** and set a **Start Address** for DHCP addressing. Make sure that the address range does not contain any existing addresses on the network.

Internal DHCP Server

Start Address (Y)

The Wireless Bridge will now function as a DHCP server and allocate an IP address to the handheld device over WLAN.



Do not enable the internal DHCP Server if there is already a DHCP server on the network, as this may cause IP address conflicts.

3. In **WLAN Settings**, set **Operating Mode** to **Access Point**.

The screenshot displays the 'WLAN Settings' configuration interface. On the left, a sidebar lists various system settings, with 'WLAN Settings' selected. The main configuration area includes the following fields and options:

- Enable:** A checked checkbox.
- Operating Mode:** A dropdown menu set to 'Access Point'.
- Network (SSID):** A text input field containing 'My Wireless Network'.
- Authentication Mode:** A dropdown menu set to 'WPA2'. Below this, there are instructions: 'Regular password: min 8 and max 63 characters' and 'Hexadecimal: start with 0x'.
- WPA2 Passkey:** A text input field containing 'rshLbNA9' and a 'Hide' button.
- Channel Bands:** A dropdown menu set to '2.4 GHz'.
- Channel:** A dropdown menu set to '3'.

At the bottom left of the configuration area, there are two buttons: 'Save and Reboot' and 'Cancel All Changes'.

Fig. 2 WLAN Settings

4. Enter a unique **SSID** (network name) for the new wireless network.
5. Set **Authentication Mode** to **WPA2** and enter a passkey.
6. Select a **Channel band** and a **Channel**.
7. Click on **Save and Reboot**.

You should now be able to connect to the SSID of the Wireless Bridge on your handheld device and access the PLC by entering its IP address in a browser.