

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[®] Wireless Bolt[™]

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 Bolt to access the web interface of a PLC on a wired network from a tablet or smartphone which uses DHCP. The Wireless Bolt 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 Bolt 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 Bolt 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**.

System Overview

Easy Config

Network Settings

WLAN Settings

Bluetooth® Settings

Firmware Update

AT Commands

System Settings

Help

Save and Reboot

Cancel All Changes

Enable

Operating Mode

Network (SSID)

Authentication Mode

*Regular password: min 8 and max 63 characters
Hexadecimal: start with 0x*

WPA2 Passkey

Hide

Channel Bands

Channel

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 Bolt on your handheld device and access the PLC by entering its IP address in a browser.