People & Technology

IP-WLBG-4CH
Setting Manual

Contents

Introduction

Purpose

This document provides basic guidelines for customers who use products designed by People & Technology.

Range

The scope of this document is to provide software descriptions and general instructions from IP-WLBG-4CH.

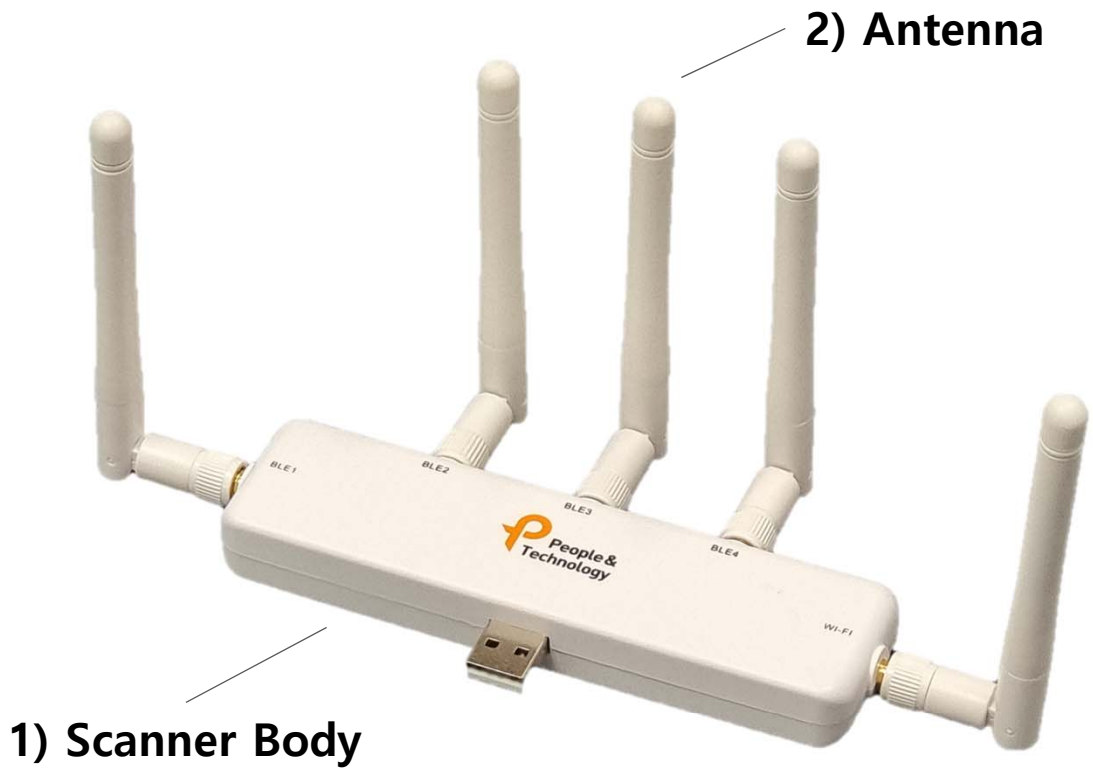
Object

This document is intended for customers using People & Technology's IP-WLBG-4CH.

Question

Please contact http://www.pntbiz.co.kr for technical support and documentation errors.

IP-BS-US



:: Component Description

1) IP-WLBG-4CH Scanner Body
2) Antenna (Removable)

*** If the component is missing or damaged, contact your place of purchase. Please keep the boxes and packaging materials in case of return.**

Hardware Specification

Features	Description
MCU	ST STM32F722VE ARM® Cortex® -M7 CPU with FPU
Wi-Fi	TI CC3235S ARM® Cortex® -M4 Core at 80 MHz
Memory	RAM (Up to 256KB)
Storage	External S-Flash
Network	802.11 a/b/g/n : 2.4GHz and 5GHz
BLE	Scanner + Peripheral (nRF52832 x 4)
Antenna	BLE x 4 / Wi-Fi x 1
Power	USB 2.0 Power (5.0 V ⎓ / 3.0 A)
HW / SW Version	V 1.0 / V 1.0

*) Direct current [D.C] symbol : ⎓

Scanner Install Location

This scanner can be connected to the network anywhere within the range of the wireless network. However, the operating distance of the scanner, the range of wireless connections, may vary significantly depending on the physical arrangement of the scanner. For example, the thickness and number of walls that a wireless signal passes through can limit the scope of the scanner.

- It is recommended to be near the WiFi router.
- Stay away from potentially interfering devices.
- Stay away from solid metal doors or metal surfaces.
- Glass, insulated walls, tanks, mirrors, bricks, and concrete can affect radio signals.

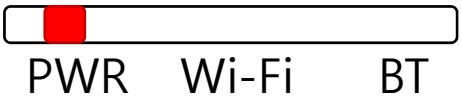
Scanner Installation

Scanner Installation

1. Connect the scanner to the USB DC adapter.
2. Check the LEDs on the scanner.

LED Scenario

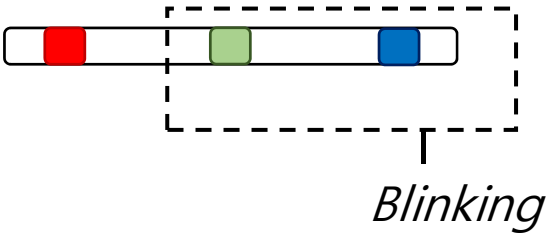
1. Powered On



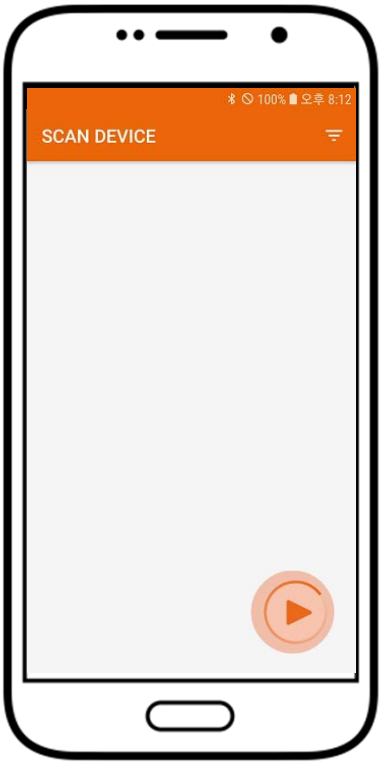
2. WiFi (AP) Connected

3. BT Signal Received

4. Data Transmitted



How to set up the Scanner

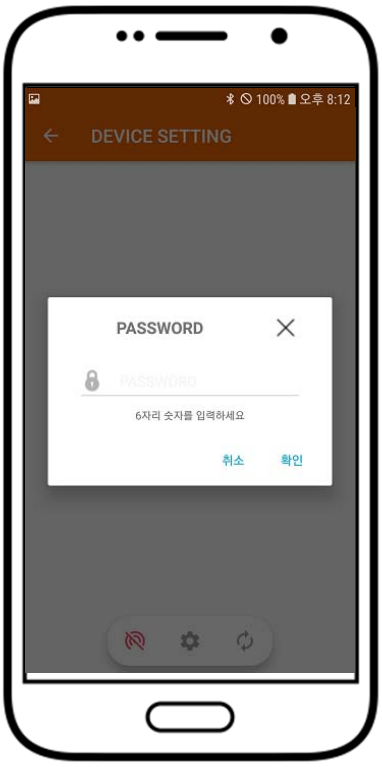


1. Run the settings app provided.

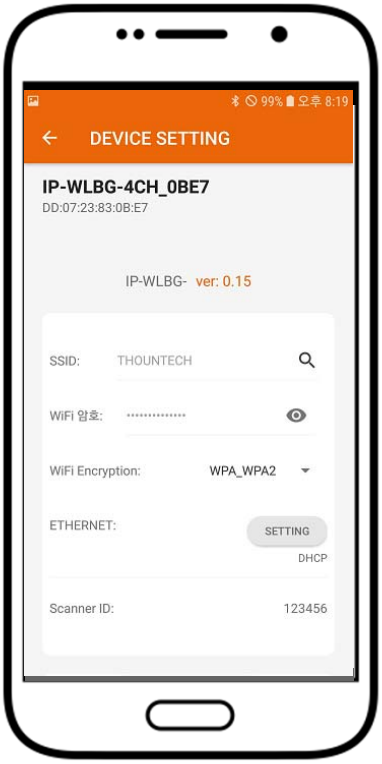
After launching the app, click the button in the lower right corner to search for the scanner.

2. Select the scanner you want to set from the list.

How to set up the Scanner

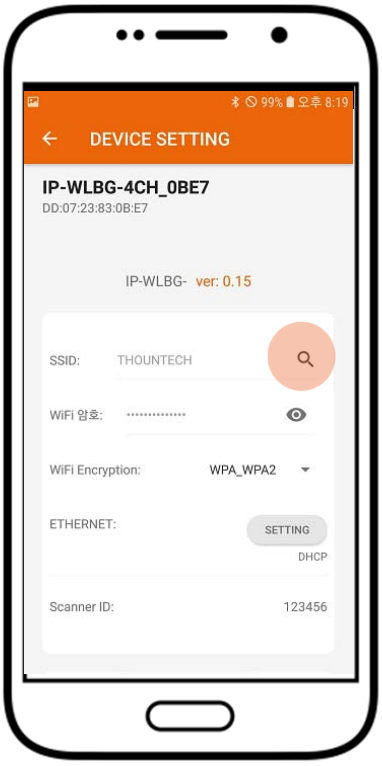


3. Enter the PASSWORD you received.

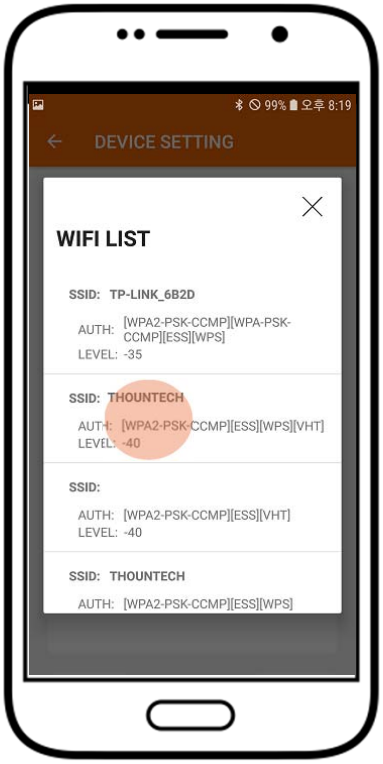


4. Enter PASSWORD and the screen for setting up the scanner will be displayed.

How to set up the Scanner

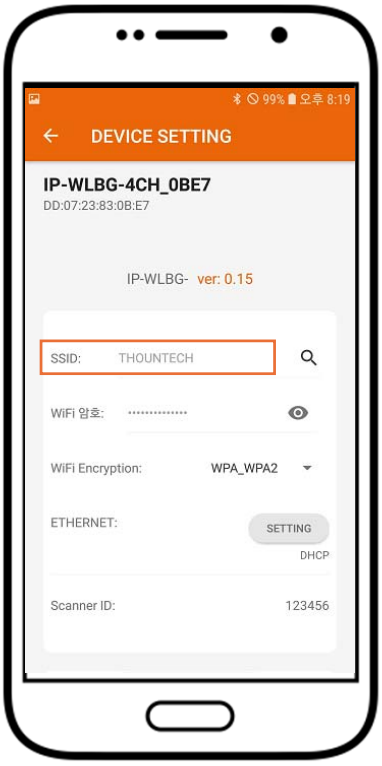


5. Click the Search icon on the right side of SSID to start WiFi scanning.

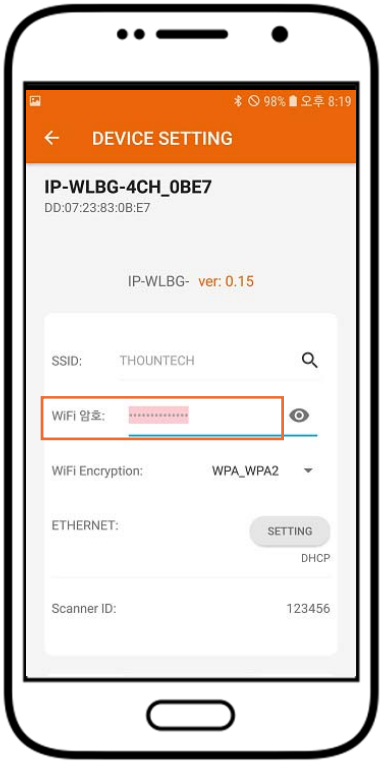


6. Select the WiFi you want to connect to from the list.

How to set up the Scanner

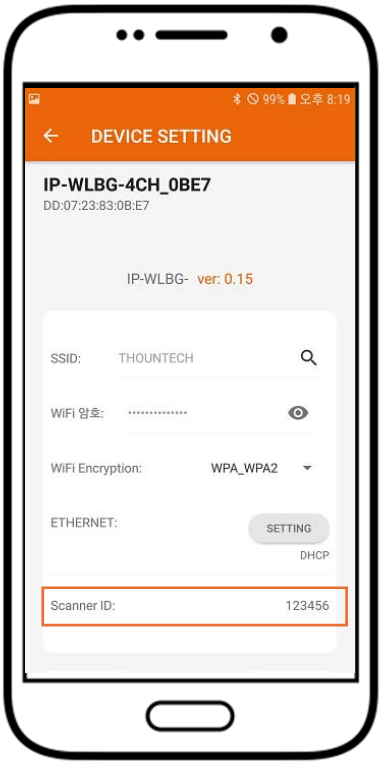


7. Check the selected WiFi SSID.

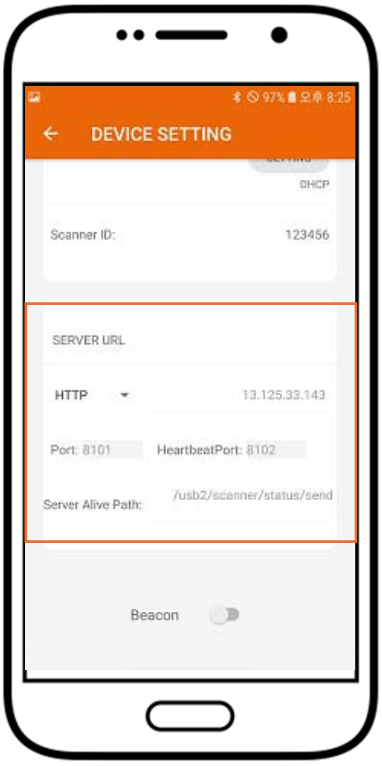


8. Enter your WiFi password.

How to set up the Scanner

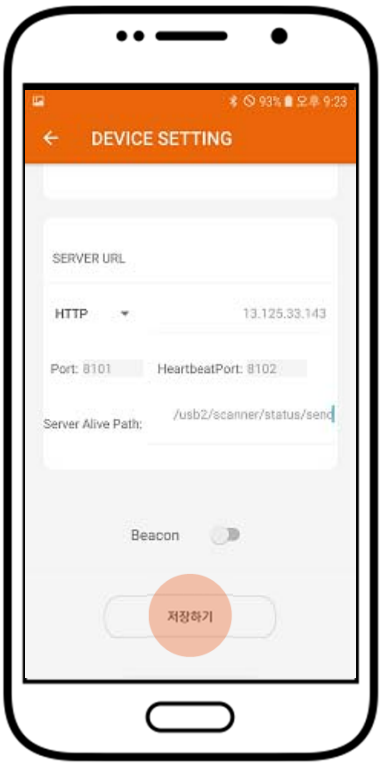


9. Check the scanner ID.



10. Enter the server information to which the scanner will send data. (Default value is WMS server information)

How to set up the Scanner



11. When the setting is complete, click the " Save " button to finish the setup.

FAQ

Q1. If you USB Scanner not found.

A1. Turn off the scanner, power it back up, and try connecting it. It can only be accessed within 30 seconds of the initial power supply.

Q2. If you unable to connect to WiFi SSID.

A2. Please check your WiFi information and router settings.

Q3. If you forgot ID and password.

A3. Please contact the place of purchase or head office.

Q4. If you want to buy an antenna.

A4. Please contact the place of purchase or head office.

If you have any questions, please contact

http://www.pntbiz.com

FCC Rules

O FCC Compliance Statement(Part 15.19 (3))
This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

O FCC Interference Statement(Part 15.105)
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help.

O FCC Caution (Part 15.21)
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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