

User Manual

Provisioning Mobile-App for Android

UM-WI-025

Abstract

This documents describes the use of Dialog's Wi-Fi provisioning mobile-App for Android

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1 Terms and Definitions

TCP	Transmission Control Protocol
TLS	Transport Layer Security
UDP	User Datagram Protocol
AP	Access Point

2 Overview

This document describes how to configure the DA16200 Wi-Fi profile information using by Dialog's Wi-Fi provisioning mobile-app for Android.

3 System Requirement

- Android OS Version: 5.0(Lollipop)+
- IDE: Android Studio 4.0
- Compile SDK Version: 30
- Language: Java
- Gradle Version: 4.0.0

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4 Sequence Diagram for Wi-Fi Provisioning

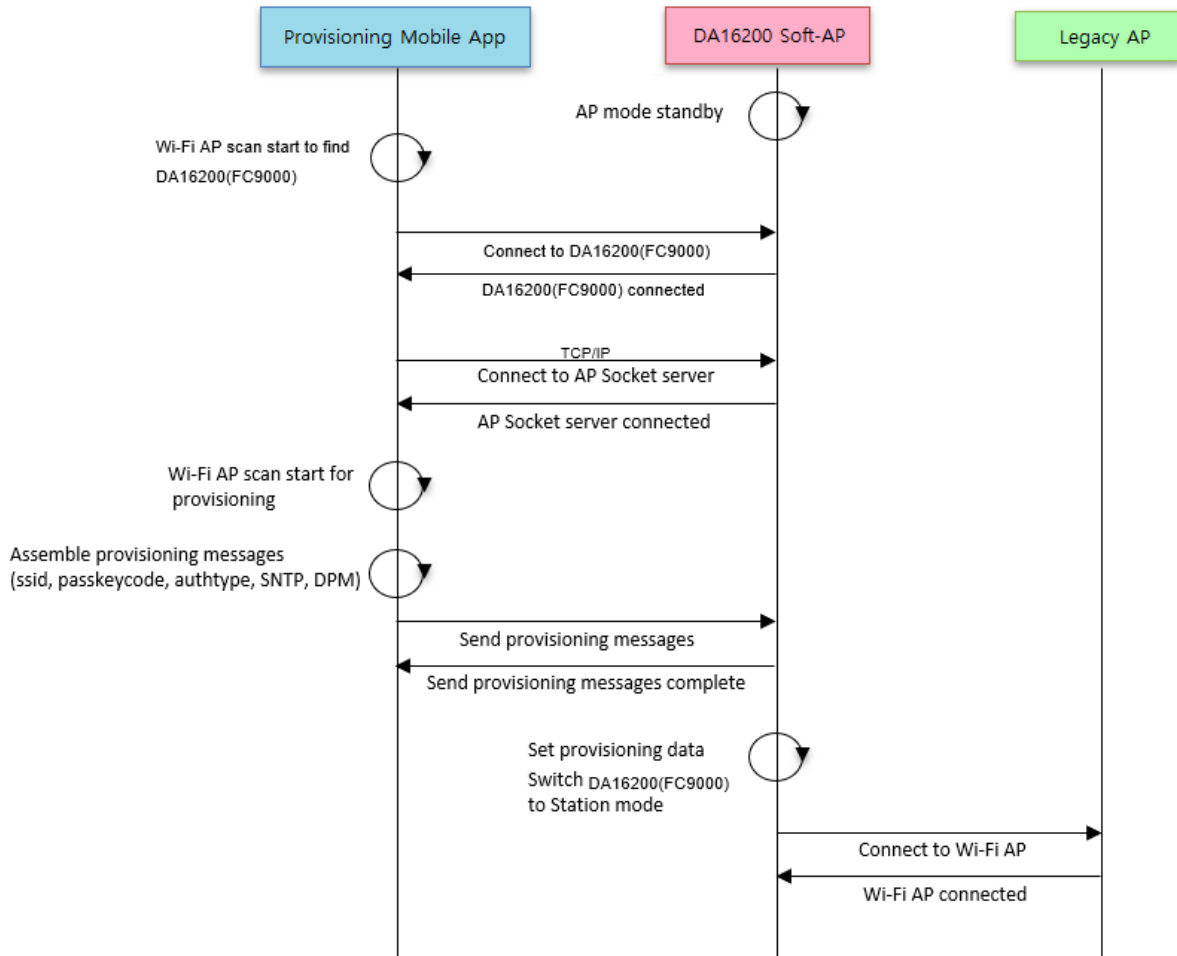
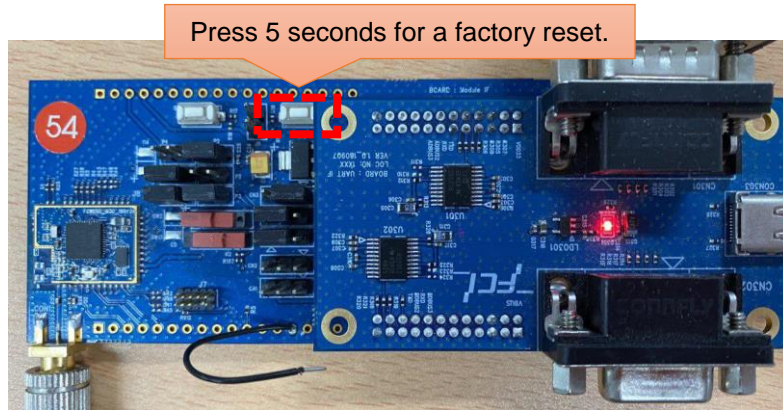


Figure 1: System Diagram for Wi-Fi Provisioning

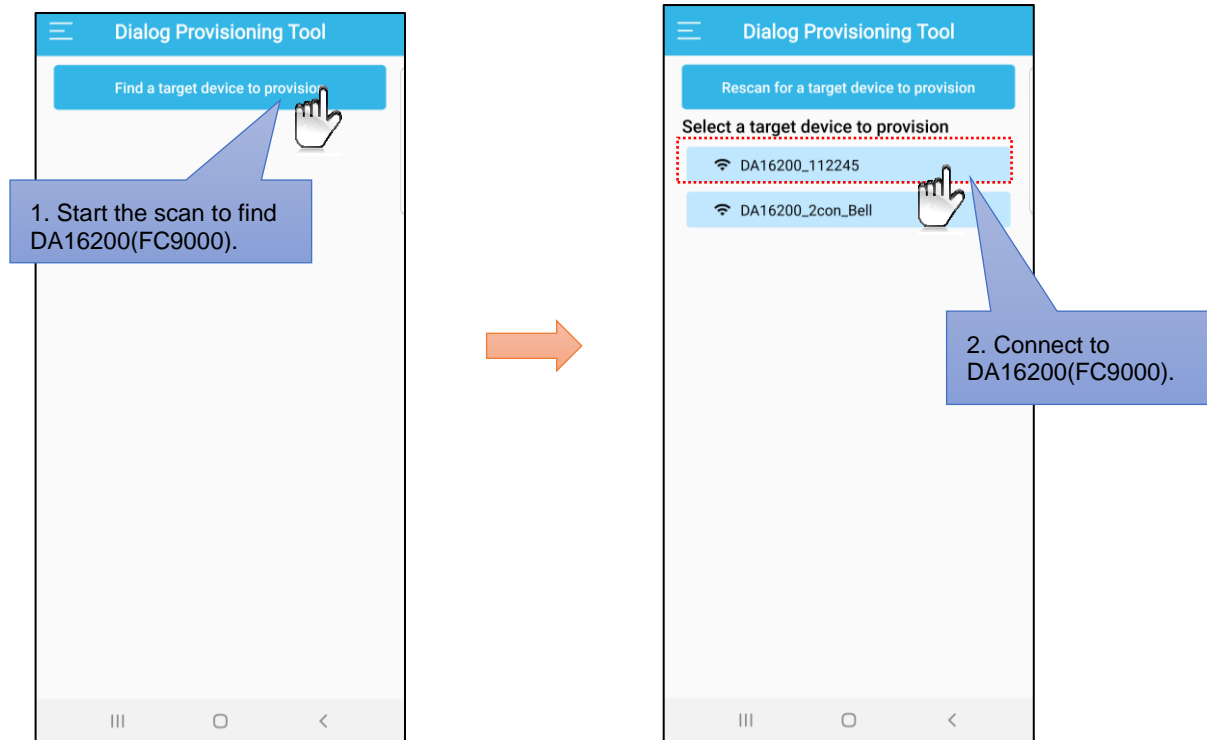
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5 How to Test Provisioning

1. Use the Factory Reset or Switch button (depends on device option) to switch the DA16200 (FC9000) to AP Mode.

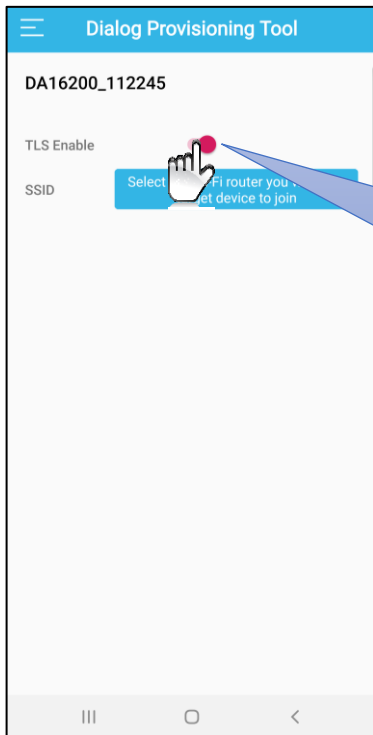


2. Start the Dialog Provisioning Tool for Android and find DA16200.

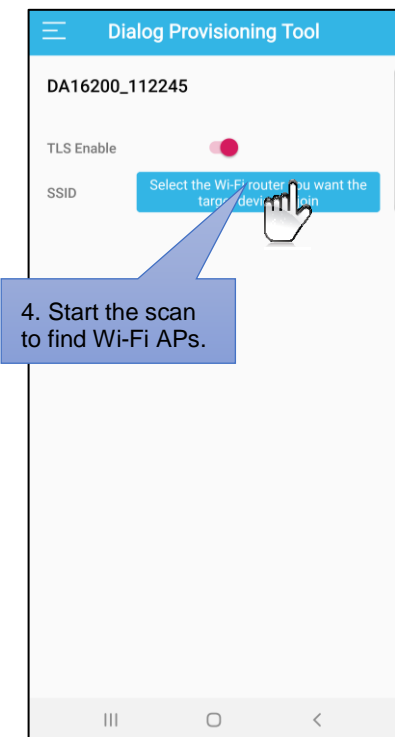


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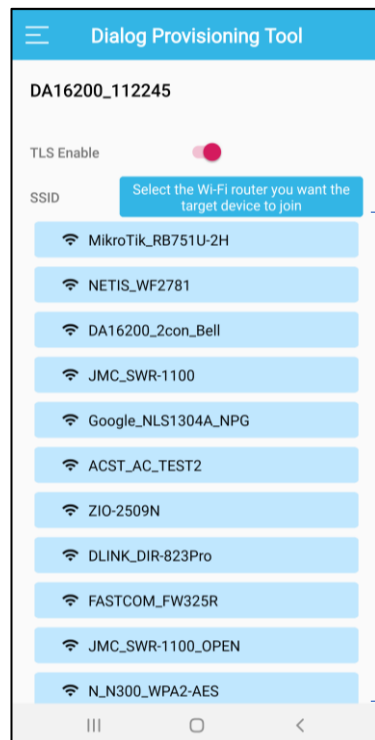
3. Set the data for provisioning.



3. You can choose TLS provisioning. If you choose TLS provisioning, your device will be connected to the Dialog AP through a secure connection.

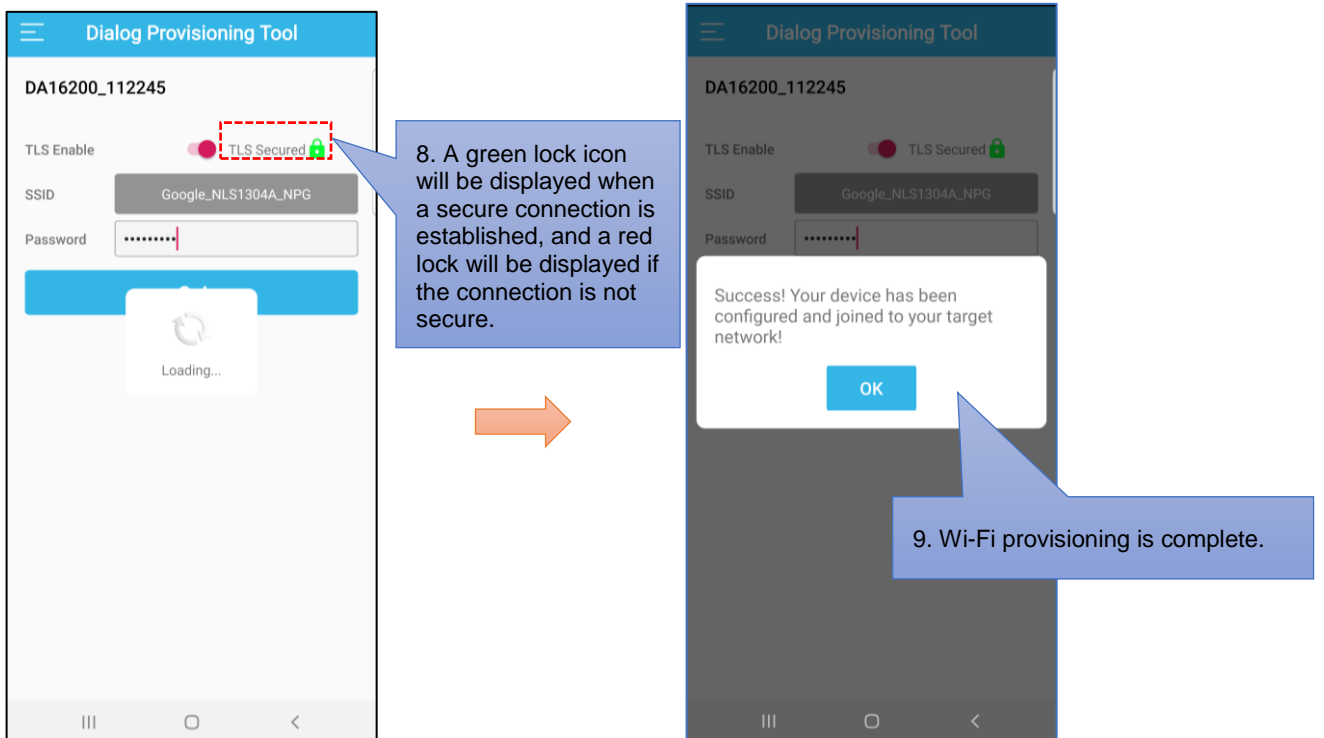
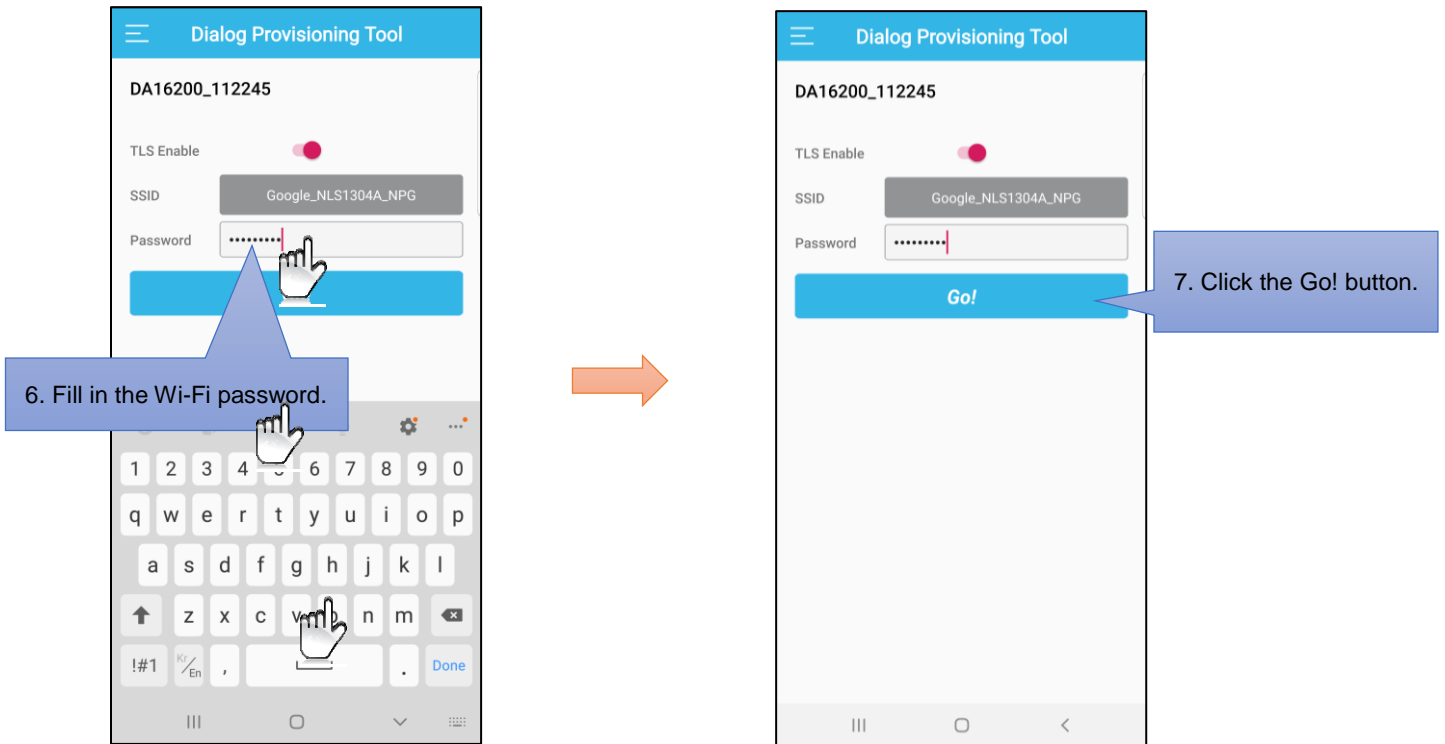


4. Start the scan to find Wi-Fi APs.



5. In the Wi-Fi Scan results, select a Wi-Fi AP for provisioning.

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Provisioning Mobile-App for Android**Revision History**

Revision	Date	Description
1.0	15-May-2020	- Preliminary DRAFT Release.
1.1	22-July-2020	- Add a TLS provisioning function
1.2	04-Sep-2020	- Correction: "Find Wi-Fi for Provisioning" → "Select the Wi-Fi router you want the target device to join." - Correction: "Start Provisioning" → "Go!" - Remove country code - Add provisionig complete notice.
1.3	18-Sep-2020	- Change UI text - Add provisioning complete dialog - Remove SNTP, DPM setup

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Status Definitions

Status	Definition
DRAFT	The content of this document is under review and subject to formal approval, which may result in modifications or additions.
APPROVED or unmarked	The content of this document has been approved for publication.

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