

If the new MQTT server requires SSL certificates, please enable the SSL/TLS option. It supports three types of certificates, the files are downloaded from the HFS (HTTP file server)

- CA signed server certification - No SSL certificate required.
- CA certificate file - It requires a CA certificate.
- Self signed certificates - It requires a CA certificate, client private key file and client certificate.

The image shows two side-by-side screenshots of a MQTT configuration interface. Both screenshots have tabs at the top: General, User Credentials, and SSL/TLS. The SSL/TLS tab is selected in both.

**Left Screenshot (CA certificate file):**

- SSL/TLS:** Enabled (switch is on).
- Certificate:** Labeled "CA certificate file".
- Host:** Input field with placeholder "1-64 Characters".
- Port:** Input field with placeholder "0-65535".
- CA File Path:** Input field with placeholder "1-100 Characters".

**Right Screenshot (Self signed certificates):**

- SSL/TLS:** Enabled (switch is on).
- Certificate:** Labeled "Self signed certificates".
- Host:** Input field with placeholder "1-64 Characters".
- Port:** Input field with placeholder "0-65535".
- CA File Path:** Input field with placeholder "1-100 Characters".
- Client Key File:** Input field with placeholder "1-100 Characters".
- Client Cert File:** Input field with placeholder "1-100 Characters".

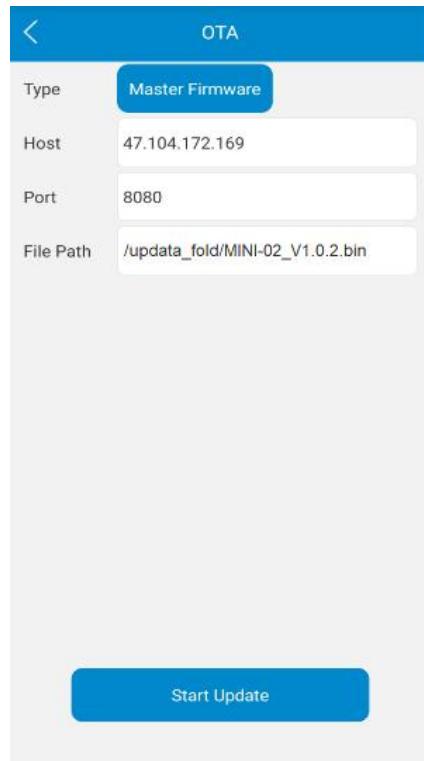
## 4.6 OTA

The gateway has the ability to update firmware and SSL files over the air. APP will display different pages according to the type.

### 4.6.1 Master Firmware and SSL Files

The “master firmware” is used to update the firmware of WIFI module, the “CA certificate” and “Self signed server certificates” are used to update device SSL certificates. The files are downloaded from a HTTP server, the combination of host, port and file path is the firmware file location on the HTTP server.

After filling in the OTA information, click the “Start Update” button, the gateway will enter the update process. During OTA process, LED will flash yellow, if successful, LED turns solid yellow, if failed, LED turns solid red.



#### 4.6.2 Slave Firmware

The “Slave firmware” is used to update the firmware of Bluetooth module.

If use Android phone, users can click the file icon to select the firmware file from the local storage of your phone.

If use iOS phone, users need to import the firmware file to your iOS phone via iTunes, then do the same operation as Android phone. Please refer to the [MOKO Gateway FAQ](#) document to get the detailed steps.



## 4.7 Device Information

Users can get the device information in this page.

Device information	
Product Model	MINI-02
Manufacturer	MOKO TECHNOLOGY LTD.
Hardware Version	v0.1
Master Software Version	v3.3
Master Firmware Version	v1.0.2
Master Device Mac	78E36D1604AA
Slave Software Version	nRF52-SDK17.2
Slave Firmware Version	V1.0.5
Slave Device Mac	C5D1129D7D87