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Embedded LNS Licensing Process

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1. Introduction

This guide describes the licensing process for TEKTELIC gateways running Embedded LoRaWAN® Network Server (Embedded LNS) with **BSP version 7.2.13** or later.

It explains how to retrieve the gateway fingerprint, request a license from TEKTELIC Sales, and install the license using KONA Link. The document covers all applicable licensing scenarios.

2. Licensing Overview

Gateways operating with Embedded LNS require a valid license. Each license is uniquely generated based on the gateway's fingerprint and **cannot be reused** on any other device.

Licensing applies in the following scenarios: -

- 1) Upgrading an existing Embedded LNS gateway
- 2) Converting an External LNS gateway to Embedded LNS gateway
- 3) Receiving a factory-installed

2.1 Upgrading an existing Embedded LNS gateway

For the Users upgrading from Embedded LNS **BSP version 7.1.16.3** to **BSP version 7.2.13**:

NOTE: For the users upgrading from BSP version 7.1.12.8 to BSP version 7.2.13, perform the upgrade using SSH, contact support team for further questions.

NOTE: Upon upgrade, a 7-day trial license is automatically activated.

Step 1: Retrieve the gateway fingerprint using Kona Link (see [Section 3](#) of this document).

Step 2: Submit the fingerprint to **TEKTELIC Sales** to request a license

Step 3: Receive the license file issued by TEKTELIC

Step 4: Install the License in Kona Link (see [Section 4](#) of this document).

2.2 Converting an External LNS gateway to Embedded LNS gateway

For the Users upgrading from Embedded LNS **BSP version 7.1.16.3** to **BSP version 7.2.13**:

NOTE: For the users upgrading from BSP version 7.1.12.8 to BSP version 7.2.13, perform the upgrade using SSH, contact support team for further questions.

Step 1: Upgrade the gateway to BSP version 7.2.13 or later

Step 2: Retrieve the gateway fingerprint using Kona Link (see [Section 3](#) of this document).

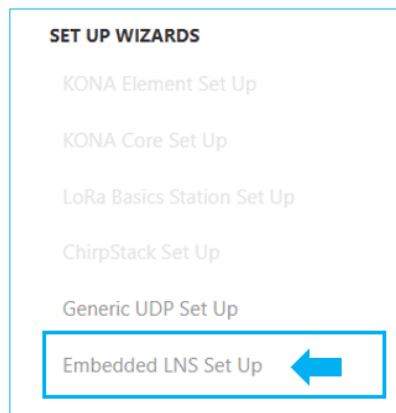
Step 3: Submit the fingerprint to **TEKTELIC Sales** to request a license

Step 4: Receive the license file issued by TEKTELIC

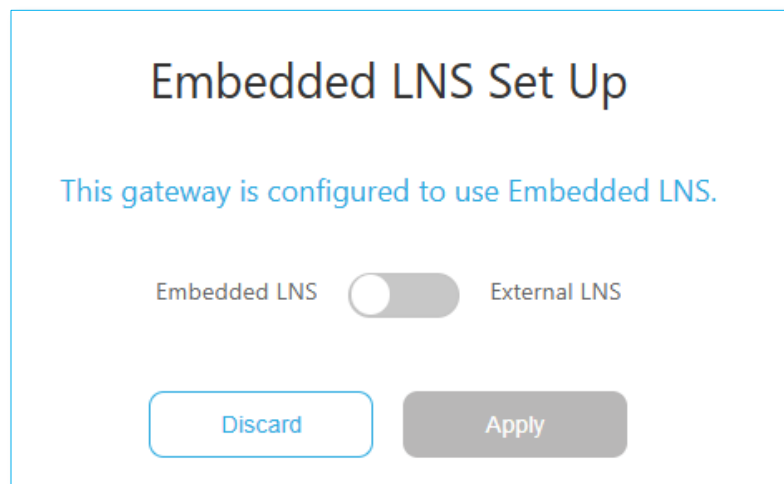
Step 5: Install the License in Kona Link (see [Section 4](#) of this document).

Step 6: Once the license is obtained and activated, enable Embedded LNS setup using the below steps:

- Navigate to “Embedded LNS Set Up” under Set up Wizards



- Switch from “External LNS” to “**Embedded LNS**” and “**Apply**” the changes.



2.3 Factory provisioned Embedded LNS Gateway

For the users ordering a new gateway with Embedded LNS, the licensing process is handled entirely at the factory.

The license is generated and pre-installed during production, meaning there is no need to retrieve a fingerprint or perform any manual license activation. The gateway arrives fully licensed and activated, ready for immediate use upon delivery.

2.4 Licensing Summary Table

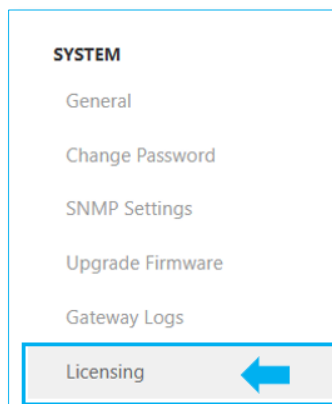
Scenario	Fingerprint Required	Contact Sales	License pre-installed
Upgrade Existing Embedded LNS	Yes	Yes	No
Convert External LNS Gateway to Embedded LNS	Yes	Yes	No
Factory Installed Embedded LNS	No	No	Yes

3. Retrieving the Gateway Fingerprint

A gateway fingerprint is required before TEKTELIC can generate a license.

Steps to Retrieve Fingerprint in KONA Link:

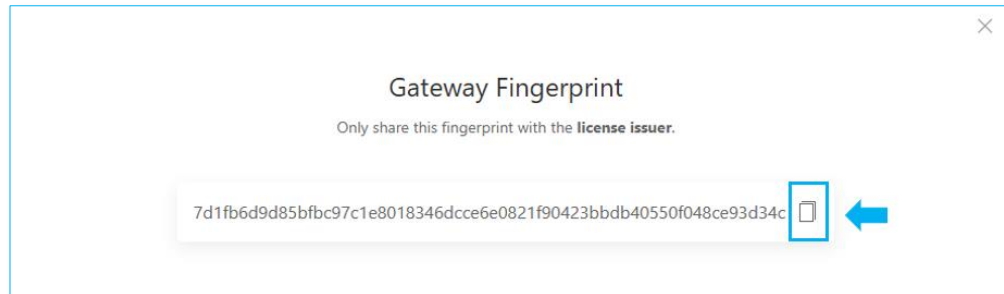
1. Login to Kona Link web page using “Host Name” or “IP Address”:
 - Using “Host Name”
Host Name URL: <https://kona-<GW variant>-<last 6 digit GW ID>.local/>
Eg: <https://kona-micro-0011ab.local/>
 - Using “IP Address”
IP Address URL: <https://<GW IP Address>/>
Eg: <https://192.0.2.111/>
2. Navigate to “**Licensing**” under **System** section.



3. Select **Show Fingerprint**



4. **Copy** the displayed fingerprint for submission to TEKTELIC sales

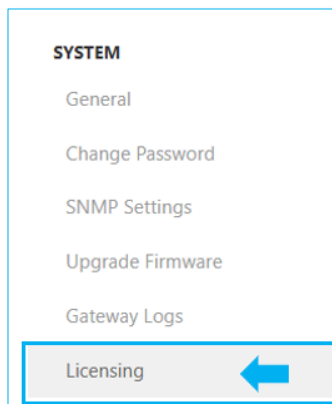


5. Share the "**Gateway Fingerprint**" with TEKTELIC Sales.

4. Installing the License

After receiving your license file from TEKTELIC:

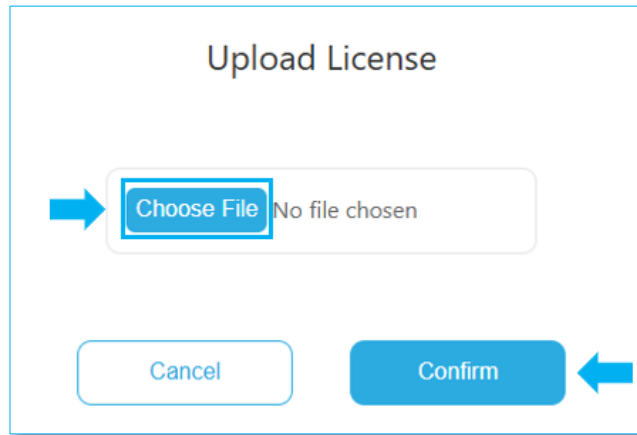
1. Login to Kona Link web page using “Host Name” or “IP Address”:
 - Using “Host Name”
Host Name URL: `https://kona-<GW variant>-<last 6 digit GW ID>.local/`
Eg: `https://kona-micro-0011ab.local/`
 - Using “IP Address”
IP Address URL: `https://<GW IP Address>/`
Eg: `https://192.0.2.111/`
2. Navigate to “**Licensing**” under **System** section



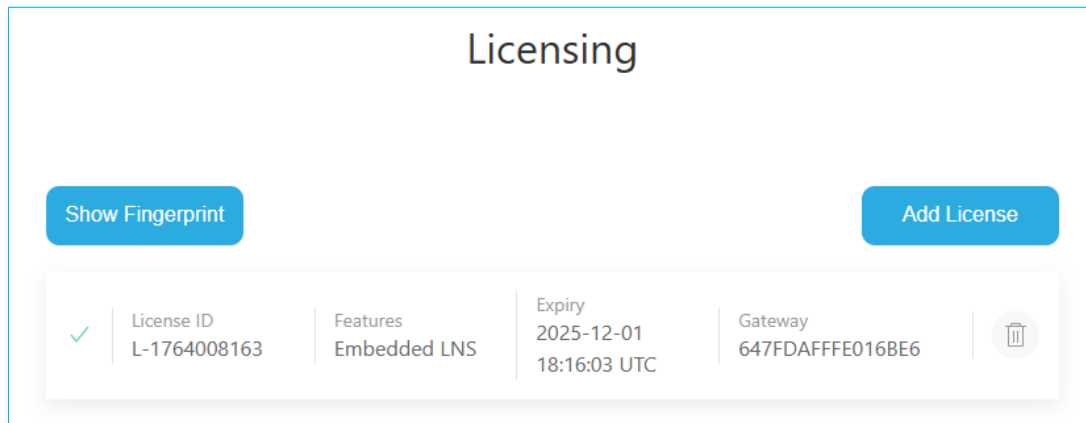
3. Select **Add License**



- A pop-up window will appear prompting the user to **Choose File**. Select the license file provided by TEKTELIC, then click **Confirm** to save the changes.



- The user should now be able to view the uploaded license, displaying the License ID, features, expiry date, and the associated Gateway ID.



5. Troubleshooting

5.1 Cannot retrieve fingerprint or cannot access Kona Link

1. If the user has trouble connecting to Kona Link:
 - a. Ensure the gateway is powered on.
 - b. Ensure the hostname entered is correct format
 - Host Name URL: https://kona-<GW variant>-<last 6 digit GW ID>.local/
Eg: https://kona-micro-0011ab.local/
 - Using "IP Address": IP Address URL: https://<GW IP Address>/
Eg: https://192.0.2.111/
 - c. Kona Link uses a self-signed certificate; some browsers may block the page. Proceed by selecting **Advanced** → **Continue to site**.
 - d. Verify that local firewalls or corporate networks are not blocking port **443 (HTTPS)**.

2. If the user has trouble viewing the fingerprint
 - a. Ensure the gateway is on BSP version 7.2.13

5.2 License upload Fails / License not recognized

If the user has trouble uploading the license file:

- i. Ensure the license file matches the right gateway. As each license uniquely ties to the gateway's fingerprint.
- ii. Ensure the file was not edited, renamed or opened in another application. Download the file again from the original email to ensure integrity.
- iii. If issue persists, collect system logs and contact TEKTELIC Support.