Instructions to add the Base Stations and Devices to ThingPark Network Server (ThingParkEnterprise SaaS Community)

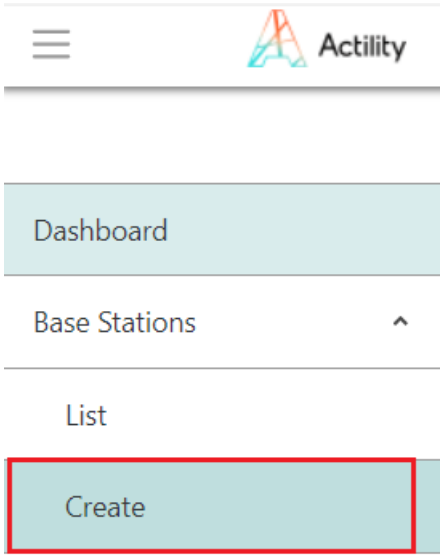
> Community is a SaaS platform that is available for free to test the Actility network server.
>
> ThingPark Enterprise users can follow those examples to activate base stations and devices on your account.

1. Add Tektelic Model T0005204 to ThingPark Enterprise SaaS Community.

> Please contact the Tektelic Support for your target platform that your base station supports LRR packet forwarder.

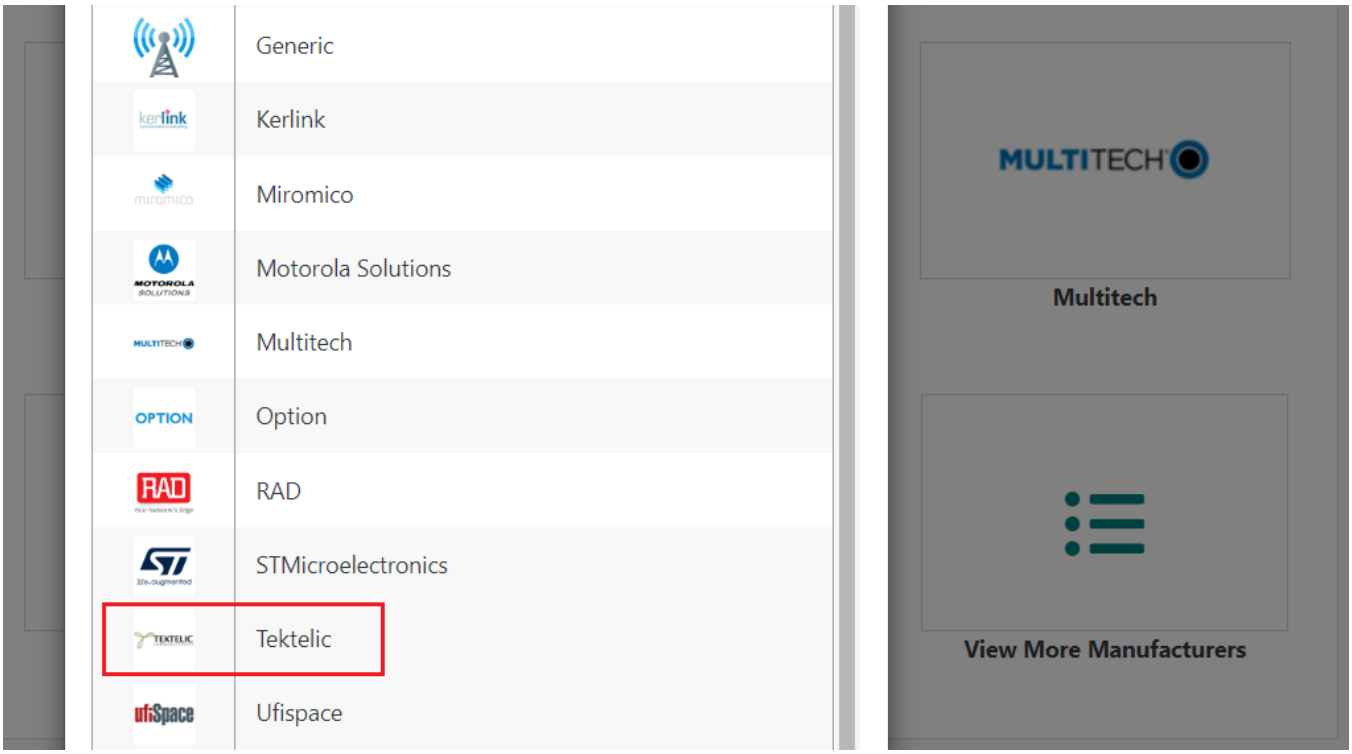
1. Log in to your ThingPark Enterprise account via the link: https://community.thingpark.io/tpe/

2. Browse on the left panel to **Base Stations**, click the drop-down menu then click **Create**.

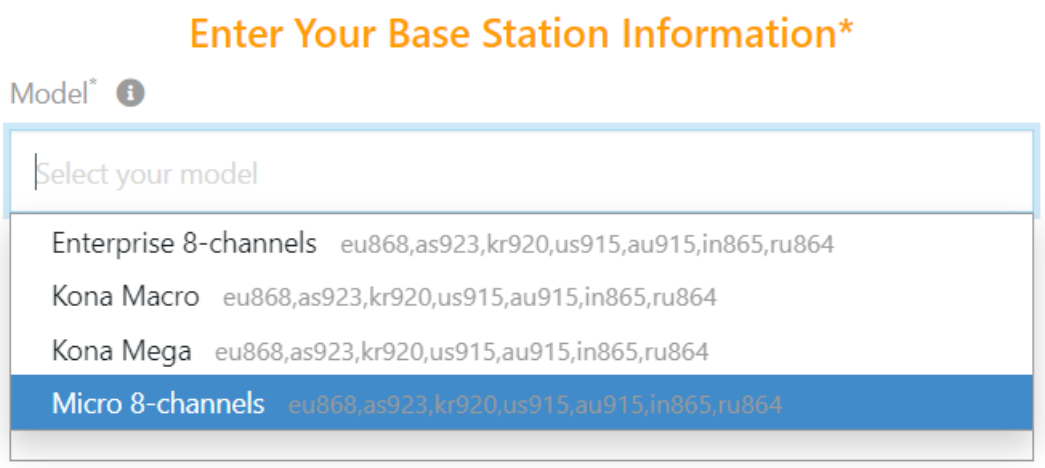


3. Select the base station's **Tektelic**.

If you do not find the Tektelic, click View More Manufacturers.



4. On the following screen, select the Model: **Micro 8-channels** from the drop-down list.



5. Fill the form as below table:

Field	Input field
Name	Base station 1
LRR-UUID	647FDA-647FDA008526
RF region	US 915MHz (8 channels: CH0-CH7)
Public Key	-----BEGIN PUBLIC KEY----- MIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQC/6v1EEK5fTiZHKEyo4o HY3cOWXxMKx6ZSGajzPQzLjcZgmIv82EruclBe8SVuCW4vj92Squ6KbYavmF 8G9HiM0BzUrb0s8PAilHyuNIzS6h6So2XfMByf7MuYbC131Uy2y2bLRiZuFq5z 4ZHxqmBnG+whArjkgQIDAQAB -----END PUBLIC KEY-----

Input exactly as above **Input field** column, except **Name** field is user-defined and is different from existing base station name on the network server.

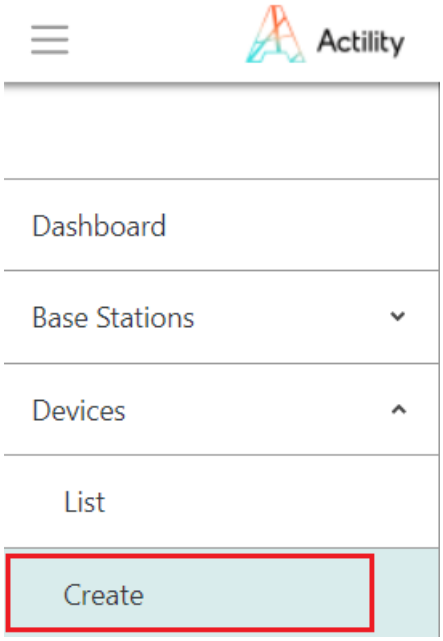
After filling registration form, click **CREATE** to complete adding base station to the network server

2. Add Daviteq's LoRaWAN devices ThingPark Enterprise SaaS Community

ThingPark Enterprise supports all Classes of LoRaWAN® devices. By default, the sensor supports Over-the-Air Activation (OTAA) with local Join Server that is programmed at the factory.

> Manual provisioning of OTAA devices using a local Join Server. To learn more, see Activation modes.

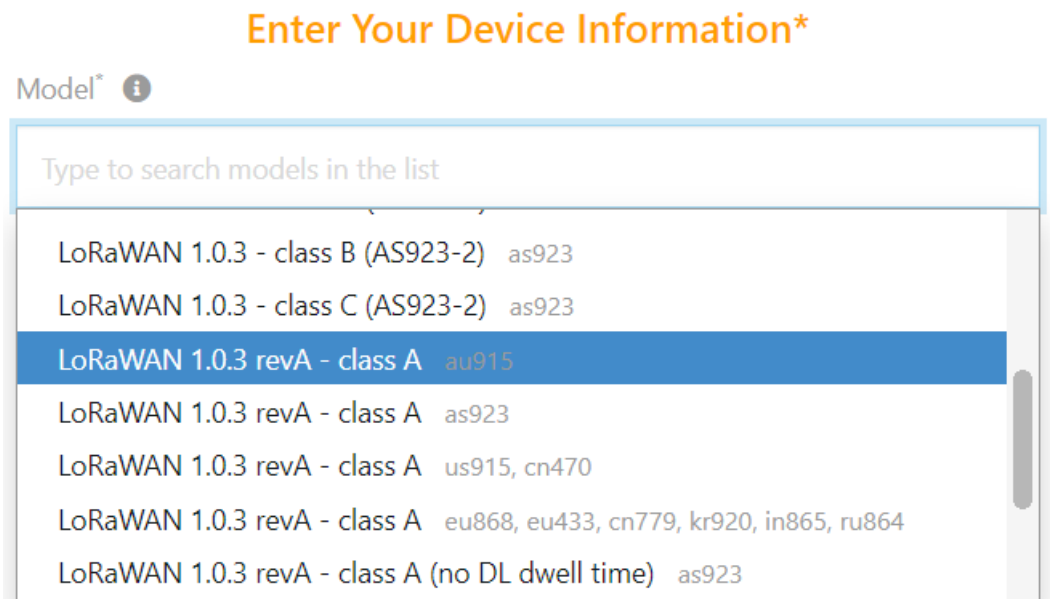
1. At left panel of the screen of the Thingpark GUI, click **Devices** > **Create** from the dashboard.



2. Select the **Generic** supported by your device on your screen.



3. Select the Model of **LoRanWAN 1.0.3 revA - class A au915**



4. Fill the form as below table:

Field	Input field
Name	As user-defined
DevEUI	As DevEUI on label of the device

Activation mode	Over-the-Air Activation (OTAA) with local Join Server
JoinEUI	Input JoinEUI. This value read on memory map or on the label of the device. The default value is 0102030405060708
AppKey	Input AppKey.This value read on memory map or on the label of the device. The default value is 0102030405060708090A0B0C0D0E0F10

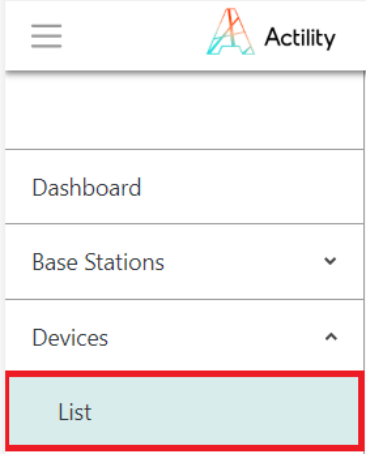
After filling the registration form, please click **CREATE** to add devices to the network server

3. Send a downlink frame from Thingpark Network Server to the device

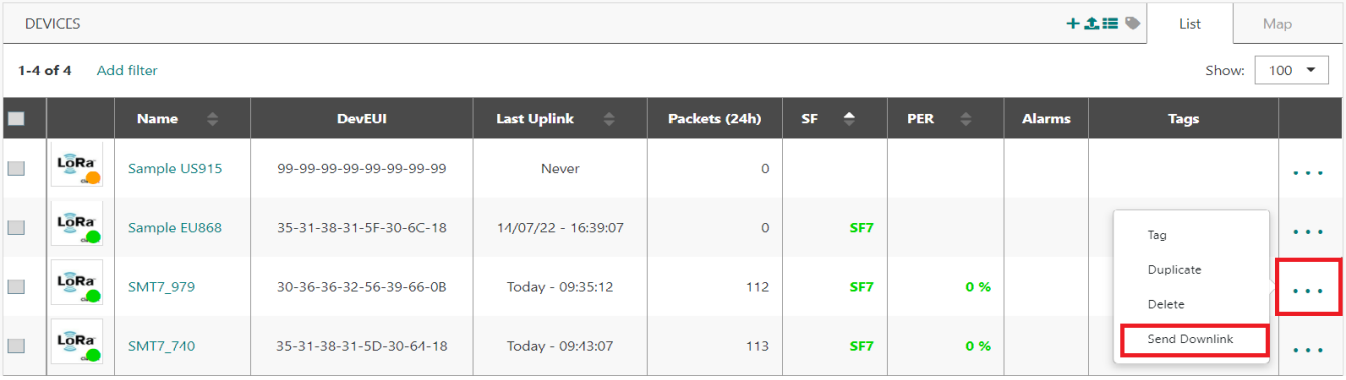
You may send a downlink frame to the device from the Device table.

> This functionality is active only when a connection is associated to the device (one of the color codes with a green bullet).

1. Navigate to the left panel, click the Devices's drop-down menu then List.

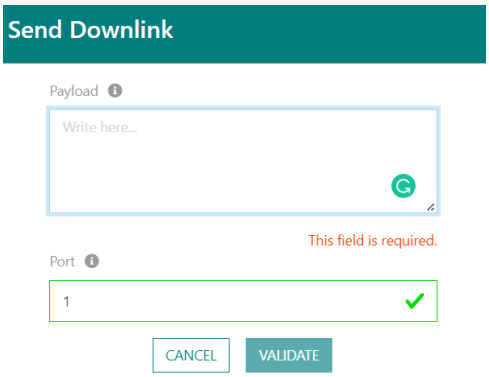


2. Browse the right side in the DEVICES, and select your preferred device to give an action. In this case, Send Downlink.



3. Input "1" to the Port in advance, write your downlink data in the field, and then click VALIDATE.

> The downlink data is added to the devicedownlink queue, downlinks may be sent only after an uplink from the device.



Thanks for the reference link:

- **Managing your radio access network**

- **Activating a device to your IoT network**

- **Sending a test downlink frame**

Revision #21
Created Thu, Jun 2, 2022 12:51 AM by Trần Việt Hoàng
Updated Thu, Aug 4, 2022 1:31 AM by Phan Van Luc