

Over the Air (OTA) Firmware Update

Please note: As mentioned in the [Release Notes](#), there is currently a known issue with the OTA feature. At the moment, it is recommended to keep the `otaUpgradeEnabled` parameter to 0 to disable it by default and only enable that for the specific bridge that you want to be updated. In cases where there are more than one bridge with this parameter set to a 1 (enabled), the gateway and management portal can get into a confused state and not update any bridges at that point.

Wiliot's Over the Air (OTA) firmware update is a feature that will allow Wiliot gateways to have the ability to push a new firmware version to the bridges over time.

This feature was added to help ease the management resources required to scale large deployments of bridges and gateways in the field. Instead of manually checking and updating every single bridge by the user, this offloads that to the gateways to automatically keep the system up to date with little external intervention, which will allow the system to scale.

To use this OTA firmware update feature:

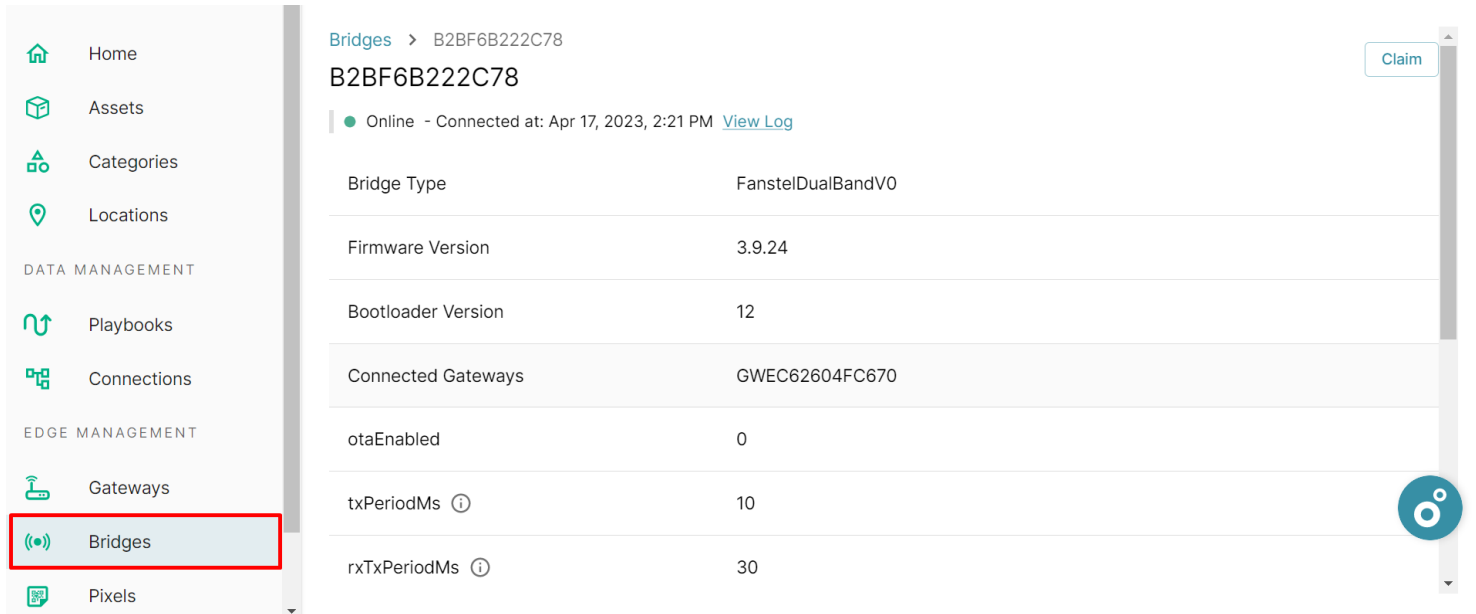
- The interface (WiFi) firmware version of the gateway needs to be 3.5.32 or later
- The BLE firmware version of the gateway needs to be 3.7.25 or later

Check out [this guide](#) to update the gateway to appropriate firmware versions.

For the latest recommended firmware versions to use for your edge devices, please check out the [Release Notes](#).

Follow these steps to enable this OTA update feature on your bridges:

1. Check the cloud platform and open your bridge configuration.



Bridges > B2BF6B222C78

B2BF6B222C78 Claim

● Online - Connected at: Apr 17, 2023, 2:21 PM [View Log](#)

Bridge Type	FanstelDualBandV0
Firmware Version	3.9.24
Bootloader Version	12
Connected Gateways	GWEC62604FC670
otaEnabled	0
txPeriodMs ⓘ	10
rxTxPeriodMs ⓘ	30

2. Make sure that the parameter `otaUpgradeEnabled` is set to 1, if not please claim the bridge and set this parameter to a 1.



Bridges > B2BF6B222C78

B2BF6B222C78 Claim

● Online - Connected at: Apr 17, 2023, 2:21 PM [View Log](#)

Bridge Type	FanstelDualBandV0
Firmware Version	3.9.24
Bootloader Version	12
Connected Gateways	GWEC62604FC670
otaEnabled	0
txPeriodMs ⓘ	10
rxTxPeriodMs ⓘ	30

3. Now just sit back and let your gateway do the work. After a few minutes, you can check back to see that your bridge firmware version is set to the latest.

Home

Assets

Categories

Locations

DATA MANAGEMENT

Playbooks

Connections

EDGE MANAGEMENT

Gateways

Bridges

Pixels

Bridges > B2BF6B222C78

Claim

● Online - Connected at: Apr 17, 2023, 2:21 PM [View Log](#)

Bridge Type	FanstelDualBandV0
Firmware Version	3.9.24
Bootloader Version	12
Connected Gateways	GWEC62604FC670
otaEnabled	0
txPeriodMs ⓘ	10
rxTxPeriodMs ⓘ	30

Please note that with this OTA feature enabled, the bridges will always be kept up to date, however, you will not have a choice of when that occurs yet. Once a gateway determines that a bridge firmware version is out of date, it will then push the latest version that matches the gateway's BLE firmware version onto that bridge. Also, the lowest recommended version of firmware that a bridge can start from that will allow this feature to work is version 2.8.6. If your bridge's firmware is earlier than this version, it is recommended to [manually update them using the mobile app](#) first.