

uFR Online BLE to HTTP POST

Version 1.0

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How to enable BLE to HTTP POST ?

1. Login to uFR Online WEB frontend configurator.
2. Enable "Master mode".
3. Make sure that "HTTP POST request" is enabled (should be enabled by default).
4. Navigate to the "Server host URL" section and enter your HTTP server URL.
5. Navigate to "BLE/Network combine mode - Experimental!" Section and select "Enable BLE slave in current mode" from list.
6. Click on the "Save and Restart" button to apply changes.

How to use BLE to HTTP POST ?

1. BLE data will be sent to server only if you pass data to uFR Online using Write characteristics in following format:

HTTP:<DATA>

For example if you write **HTTP:TESTDATA** to BLE, "**TESTDATA**" will be sent to the HTTP server as a POST parameter.

On a server side, BLE data is received in **application/x-www-form-urlencoded (key is BLE)** format as usual. Other parameters, like uFR Online serial number is also sent to the server alongside with BLE data.

Server response is not sent back to BLE, it will be processed by uFR Online. BLE->HTTP status is sent back to BLE when it is done. You can read status using Read or notification characteristics. If there is no error in communication, the response should be **HTTP_OK**.

Revision history

Date	Version	Comment
2022-02-01	1.0	Base document