FOR REAL
www.forrealteam.com | learn.forrealteam.cor

# Klara Internet Commands

Internet commands can be sent via HTTP GET requests, as follows:

*http://blynk-cloud.com/70bfe532b9a84f89a889e0c7dfad386f/update/V31?value=[station],[orientation],[mission],[param1],[param2],[param3]*

Allowed values for all of the following parameters is 0-255:

[station] - The number of station to navigate to (when starting from home base).
[orientation] - 0 - perform activity facing the station. 1 - Rotate 180deg before performing activity.
[mission] - See table below
[param1] - See table below
[param2] - See table below
[param3] - See table below

For each type of mission, the 3 params are are used according to the following table:

| # | Mission | Param1 | Param2 | Param3 |
|---|---|---|---|---|
| 1 | Basketball | Game duration in seconds | N/A | N/A |
| 2 | Bricks | N/A | N/A | N/A |
| 3 | Audio | Track number (in folder /01) | Duration to stay at station (in seconds) | N/A |
| 4 | Dance | Duration in seconds | Rhythm (interval between robot direction change= rhythm *4 milliseconds) | N/A |
| 5 | LED Panel message | Message ID | Duration in seconds | Color change interval in milliseconds |
| 6 | Party (Audio + | Track number | Duration in seconds | Message ID |

| | | | | |
|---|---|---|---|---|
| | dance + LED panel message) | (in folder /01) | | |

**How to check connection**
Run the following URL:
*http://blynk-cloud.com/70bfe532b9a84f89a889e0c7dfad386f/isHardwareConnected*

In case connection is lost, push the ESP2866 reset button and then push the Arduino's reset button (both on the IOT shield).

**IFTTT Integration**

*Google Calendar*

Create an event on robo.klara's main google calendar. (password: whitenights)
When the event takes place, the following URL will be invoked:

*http://blynk-cloud.com/70bfe532b9a84f89a889e0c7dfad386f/update/V31?value=*

*What comes after the "value=" will be copied from the event's description field, and will be according to the format described above:*
*[station],[orientation],[mission],[param1],[param2],[param3]*