

# Controlling the robot via MQTT and Python

- [Reading joint states with an MQTT client from a Mosquitto MQTT broker !\[\]\(1207edb9a08751d3d55970560645ed23\_img.jpg\)](#)

# Reading joint states with an MQTT client from a Mosquitto MQTT broker

## Install an MQTT Client

1. Install a mosquitto  client for example [MQTTX](#)

## Connect to the WIFI


Connect to the same WI-FI the MQTT-Broker is in.

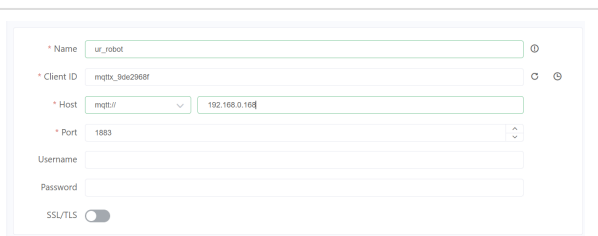
In our case the WI-FI's name is '**ROOM\_240**'

In our case the device running the broker is an RaspberryPi  with the IP **192.168.0.168**

## Subscribe to a topic via your MQTT client

1. Setup a new connection by clicking  :

Setup a new connection to a "broker" in our case this is the Raspberry Pi  connected to the Robot. Provide a name and leave the username and password fields blank.



The image shows a screenshot of an MQTT client configuration interface. It includes fields for Name (set to 'ur\_robot'), Client ID (set to 'mqtt\_9da2968f'), Host (set to 'mqtt://192.168.0.168'), Port (set to '1883'), Username, Password, and an SSL/TLS toggle switch.

Click on "connect" and you'll see the joint positions coming in and constantly updated!

