


# Wokwi Ultrasonic Sensor + IBM Watson

Wokwi Share Link : <https://wokwi.com/projects/347601063669400146>

## Screenshots

### 1) Initially

Q Search by Device ID

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Desc
> <input type="checkbox"/>	12345	 Disconnected	raspberrypi	Device	7 Nov 2022 00:25	


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### 2) Device is run on Wokwi

```
Connecting to
.....
Wifi Connected
IP : 10.10.0.2
Reconnecting client to 1xisxi.messaging.internetofthings.ibmcloud.com
Client : d:1xisxi:raspberrypi:12345
```

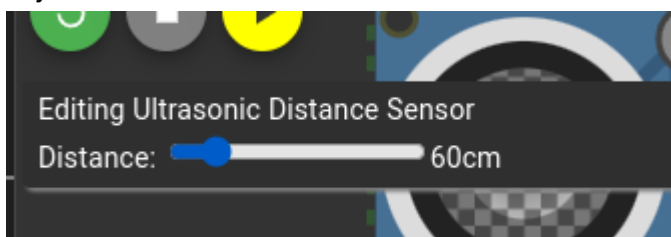
### 3) Device status is connected

Q Search by Device ID

<input type="checkbox"/>	Device ID ▲	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	12345	 Connected	raspberrypi	Device	7 Nov 2022 00:25

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### 4) Adjust sensor distance to < 100



5) Alerts published

```
Sending Alert
Sending payload : {"type":"alert","distance":59}
Publish OK
Distance (cm): 59
Sending Alert
Sending payload : {"type":"alert","distance":59}
Publish OK
Distance (cm): 59
Sending Alert
Sending pay
```

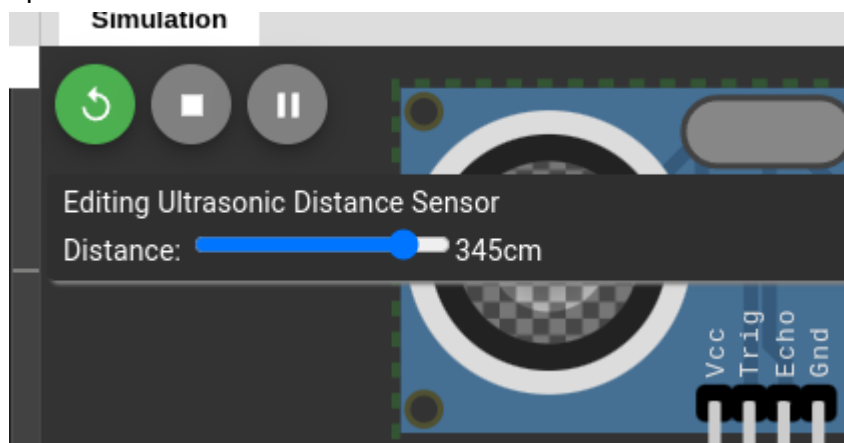
## 6) Device recent events

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Description
<input checked="" type="checkbox"/>	12345	<span>●</span> Connected	raspberrypi	Device	7 Nov 2022 00:25	
<div>IdentityDevice InformationRecent EventsStateLogs</div>						

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Data	{"type":"alert","distance":59}	json	a few seconds ago
Data	{"type":"alert","distance":59}	json	a few seconds ago
Data	{"type":"alert","distance":59}	json	a few seconds ago
Data	{"type":"alert","distance":59}	json	a few seconds ago
Data	{"type":"alert","distance":59}	json	a few seconds ago

7) Update distance > 100



8) No messages

[illegible]