Twilight: IoT Sky Useage Reference
Revision 1.0

Mustafa Altaweel

July 2025

Preface

> **Caveat**
>
> This is a tutorial for using **Twilight** device, not a documentation.
> to know how it's designed, assembled, programmed, etc, refer to my github:
> `https://github.com/altaweelmustafa/Twilight.git`

How to read this document?

> **Note**
>
> This is something that hasn't been verified, but would make a lot of sense.

> **Caveat**
>
> This explains some caveat about this documentation that you should know.

> **Warning**
>
> This is a warning about something.

- `Twilight:` referred to device.
- `Puck:` referred to the robot on the device.
- `X:` left button.
- `Y:` right button.
- `S:` send/receive button.
- `seq:` sequence of emotions.

Getting Started

Charging Twilight

Warning
Make sure to fully charge `Twilight` before first use.

- Connect the device to any 5V USB power source using the provided cable.

- A red LED will light up while charging; it turns off once charging is complete.

- The device contains a rechargeable 3.7V lithium battery.

Turning On/Off

- There is a slider on the left of the device to power on and off.

- Will be able to see a `'Connecting WiFi...'` label that appears.

WiFi Manager

WiFi Connection

- When powering `Twilight` on, you need to connect to the device through phone to give it internet.

- Open WiFi manager on your phone, locate `Puck-Setup` and select it.

- After successful connection, locate your network SSID and enter it's password.

- This is a one-time step for each AP (Access-Point), so you won't do this frequently.

> **Caveat**
>
> `Twilight` will never work without internet, make sure it has connection all the time.

Button Reference

Button X (Left)

> **Note**
>
> `X` is used to select stronger intensity of emotions.

Button Y (Right)

> **Note**
>
> `Y` is used to select weaker intensity of emotions.

Button S (Send/Receive)

> **Note**
>
> The `S` button is used to send or check for incoming emotions.

- Press once you want to send your `seq`.

- Or when you want to recieve it from other `Twilight`.

- The device will ignore `seq`'s sent by itself.

Emotion Display

Understanding the Emotions

- Each emotion is visualized by `Puck` face.

- Different eyes and animations represent different emotional states.

Sending Emotions

1. Press `S` to start listening to your `seq`

2. Use `X` and `Y` to choose the emotion.

3. Press `S` once to send.

> **Warning**
>
> When there is a received emotion, you won't be able to send emotions unless you open it, you can open it by pressing `S`.

Receiving Emotions

1. Press `S` to check for received emotion.

2. If a message is available, the screen will display the sender's emotion.

3. You will see the same emotion until you send a `seq`, or receive one.

> **Caveat**
>
> Make sure both `Twilight`'s are connected to the internet and correctly configured through WiFi Manager.

Table of Emotions

- until now, there is these emotions available:

- `XX:` Angry.

- `XY:` Happy.

- `YY:` Sad.

- `YX:` Confused.

- `else:` Idle (Default).

With all love, daSH__.
"darkness exists to make the light trully count"