🗂 **eoh-jsc** / **era-lib**   (Public)

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Virtual Pins

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Quốc Hùng edited this page on Dec 29, 2022 · 4 revisions

Virtual Pins

The gateway send data to the ERa App using `ERa.virtualWrite(vPin, value)` and receive data from the App using `ERA_WRITE(vPIN)`.

Virtual Pin data types

To interpret incoming data as Integers, Floats, Doubles and Strings use:

```
param.getInt();
param.getFloat();
param.getDouble();
param.getString();
```

ERa.virtualWrite(vPin, value)

Send data to Virtual Pins.

```
/* Send integer */
ERa.virtualWrite(pin, 123);

/* Send float, double */
ERa.virtualWrite(pin, 123.456);

/* Send string */
ERa.virtualWrite(pin, "Hello");

/* Send multiple pins */
ERa.virtualWrite(pin, 123, pin2, 12.34f);
```

Note 1: ERa data type string: Not support yet.

Note 2: Please don't put `ERa.virtualWrite(vPin, value)` in the `void loop()`, use it with [ERaTimer](#).

ERA_WRITE(vPIN)

`ERA_WRITE` is a function called every time gateway gets a down of Virtual Pin value from the ERa App:

To read the received data use:

```
ERA_WRITE(V0) {
    int value = param.getInt();
    Serial.printf("Virtual pin %d get %d\r\n", pin, value);
}
```

Note: For Virtual Pins with numbers > 99, please use `ERA_WRITE_DEFAULT()` API

Example with ESP32

Example [here](#)

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