

```
// Only for Chrome and Safari, create a slider that pulse out a 0-100% duty cycle ratio on GPIO 8
                      button = webiopi().createRatioSlider(8);
                       content.append(button);
                      // Only for Chrome and Safari, create a slider that pulse out a -45 to +45° angle on GPIO 9 button = webiopi().createAngleSlider(9);
                      content.append(button);
           });
           function mousedown() {
                      webiopi().digitalWrite(7, 1);
           function mouseup() {
                      webiopi().digitalWrite(7, 0);
           function outputSequence() {
    var sequence = "01010100110011001100101010" // S.O.S. morse code or whatever you want
    // output sequence on gpio 7 with a 100ms period
    webiopi().outputSequence(7, 100, sequence, sequenceCallback);
           function sequenceCallback(gpio, data) {
    alert("sequence on " + gpio + " finished with " + data);
           function callMacro() {
    var args = [1,2,3] // or whatever you want
    // call myMacroWithArgs(arg)
                      webiopi().callMacro("myMacroWithArgs", args, macroCallback);
           function macroCallback(macro, args, data) {
    alert(macro + " returned with " + data);
           </script>
           <style type="text/css">
    button {
                                 display: block;
margin: 5px 5px 5px 5px;
width: 160px;
                                  height: 45px;
font-size: 24pt;
                                  font-weight: bold;
color: black;
                      input[type="range"] {
                                  display: block;
width: 160px;
                                  height: 45px;
                      #gpio7.LOW {
                                  background-color: White;
                      #gpio7.HIGH {
                                  background-color: Red;
           </style>
<body>
           <div id="content" align="center"></div>
</html>
```

SWITCH

LED

Pulse

S.O.S 1

S.O.S 2

Macro 1

Macro 2

Hold



webiopi()

Returns the WebIOPi object instance.

WebIOPi.ready(callback)

Register the function to call when WebIOPi is ready.

• (function) callback : function to call

WebIOPi.setFunction(gpio, func[, callback])

Set the function on the GPIO.

- (int) gpio : GPIO number from 0 to 53
- (string) func : "IN" or "OUT" or "PWM"
- (function) callback (optional): function called when result received from the server

WebIOPi.digitalWrite(gpio, value[, callback])

Set the output value of a GPIO.

- (int) gpio : GPIO number from 0 to 53
- (int) value: 0 or 1
- (function) callback (optional): function called when result received from the server

WebIOPi.digitalRead(gpio[, callback])

Read the value of a GPIO.

- (int) gpio : GPIO number from 0 to 53
- (function) callback (optional): function called when result received from the server

WebIOPi.toggleValue(gpio)

Toggle value of a GPIO.

• (int) gpio : GPIO number from 0 to 53

WebIOPi.callMacro(macro, [args[, callback]])

Call a macro on the server.

- . (string) macro: name of the macro to call
- (string) arg (optional) : array containing arguments
- (function) callback (optional): function called when result received from the server

WebIOPi.outputSequence(gpio, period, sequence[, callback])

Output a bit sequence on a GPIO.

- (int) gpio : GPIO number from 0 to 53
- . (int) period : time in ms between each bit
- (string) sequence : bit sequence
- (function) callback (optional): function called when result received from the server

WebIOPi.pulse(gpio[, callback])

Output a single pulse on a GPIO.

- (int) gpio : GPIO number from 0 to 53
- (function) callback (optional) : function called when result received from the server

WebIOPi.pulseRatio(gpio, ratio[, callback])

Output a PWM duty cycle ratio on a GPIO.

- (int) gpio: GPIO number from 0 to 53
- (float) ratio : duty cycle from 0.0 to 1.0
- (function) callback (optional): function called when result received from the server

WebIOPi.pulseAngle(gpio, angle[, callback])

Output a PWM angle on a GPIO.

- (int) gpio : GPIO number from 0 to 53
- (int) angle : angle in degree from -45 to +45
- (function) callback (optional): function called when result received from the server

WebIOPi.createButton(id, label[, mousedown[, mouseup]])

Returns a simple button without predefined behavior.

- (string) id : id of the button to create
- (string) label : label of the button
- (function) mousedown (optional) : function called on mousedown/click event
- (function) mouseup (optional) : function called on mouseup event

WebIOPi.createFunctionButton(gpio)

Returns a button that change the function of a GPIO.

• (int) gpio : GPIO number from 0 to 53

WebIOPi.createGPIOButton(gpio, label)

Returns a button that change the state of a GPIO at each click.

(int) gpio : GPIO number from 0 to 53(string) label : label of the button

WebIOPi.createMacroButton(id, label, macro, args)

Returns a button that call a macro on the server.

(string) id: id of the button to create
(string) label: label of the button
(string) macro: name of the macro to call

• (string) args : string arguments

WebIOPi.createSequenceButton(id, label, gpio, period, sequence)

Returns a button that output a bit sequence on a GPIO.

(string) id: id of the button to create
(string) label: label of the button
(int) gpio: GPIO number from 0 to 53
(int) period: time in ms between each bit
(string) sequence: bit sequence

WebIOPi.createRatioSlider(gpio, ratio)

Returns a slider that send its value as a PWM duty cycle ratio

(int) gpio : GPIO number from 0 to 53(float) ratio : slider's init value

WebIOPi.createAngleSlider(gpio, angle)

Returns a slider that send its value as a PWM angle

(int) gpio : GPIO number from 0 to 53 (int) angle : slider's init value

WebIOPi.setLabel(id, label)

Change a label of given button.

(string) id : id of the button to change(string) label : new label of the button

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