

```

const char Mainpage[] PROGMEM = R"=====(
<!DOCTYPE html>
<html>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width">

<head>
  <title>WiFi IR Remote</title>
  <script src="http://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
  <script src="http://code.jquery.com/ui/1.11.2/jquery-ui.js"></script>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/
all.min.css">
  <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"></script>
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.12.1/css/all.css"
crossorigin="anonymous">
  <script>
    $(document).ready(function () {
      $('a[data-toggle="tab"]').on('show.bs.tab', function (e) {
        localStorage.setItem('activeTab', $(e.target).attr('href'));
      });
      var activeTab = localStorage.getItem('activeTab');
      const collection = document.getElementsByClassName("button-on");

      for (var i = 0; i < collection.length; i++) {
        collection[i].style.backgroundColor = localStorage.getItem("btn-color")
      };
      if (activeTab) {
        $('#myTab a[href="' + activeTab + "']").tab('show');
      }
    });
  </script>
  <style>
    html {
      font-family: Helvetica;
      display: inline-block;
      margin: 0px auto;
      text-align: center;
    }

    body {
      margin: 5px;
      overflow: hidden;
    }

    h1 {
      color: #444444;

```

```
margin: 50px auto 30px;
}
```

```
h3 {
  color: #444444;
  margin-bottom: 50px;
}
```

```
.p {
  font-size: 14px;
  color: #888;
  margin-bottom: 10px;
}
```

```
.button-on {
  background-color: #1abc9c;
}
```

```
$bg: #60B8CE;
$shadow: rgba(0, 0, 0, 0.4);
$button-in: #fff;
$button-out: #eee;
```

```
body {
  background-color: #1abc9c;
}
```

```
nav {
  width: 250px;
  height: 250px;
  background: bg;
  border-radius: 50%;
  padding: 20px;
  -webkit-transform: rotate(45deg);
  -moz-transform: rotate(45deg);
  transform: rotate(45deg);
  box-shadow: inset -12px 0 12px -6px #ddd, inset 12px 0 12px -6px #FFF, inset 0 0 0 12px
#EEE, inset 2px 0 4px 12px shadow, 1px 0 4px rgba(0, 0, 0, 0.8);
  box-sizing: border-box;
  position: relative;
  margin-top: -15px;
  margin-bottom: -25px;
}
```

```
na {
  text-decoration: none;
}
```

```
.center-button {
  display: inline-block;
  height: 32%;
  width: 32%;
}
```

```
position: absolute;
top: 32%;
left: 32%;
background: #fff;
border-radius: 50%;
box-shadow: 1px 0 4px rgba(9, 0, 0, 0.8);
}
```

```
.button {
display: inline-block;
width: 46%;
height: 46%;
margin: 0.5%;
position: relative;
float: left;
text-align: center;
box-shadow: 1px 0px 3px 1px $shadow, inset 0 0 0 1px #FFF;
}
```

```
.button::after {
content: "";
display: block;
width: 50%;
height: 50%;
background: bg;
position: absolute;
border-radius: inherit;
}
```

```
.button.top {
border-radius: 100% 0 0 0;
background: -webkit-radial-gradient(bottom right, ellipse cover, button-in 35%, button-out
75%);
background: radial-gradient(bottom right, ellipse cover, button-in 35%, button-out 75%);
background-color: #1abc9c;
}
```

```
.button.top::after {
bottom: 0;
right: 0;
box-shadow: inset 0px 0px 0px 0 shadow, 10px 10px 0 10px bg;
-webkit-transform: skew(-3deg, -3deg) scale(0.96);
-moz-transform: skew(-3deg, -3deg) scale(0.96);
transform: skew(-3deg, -3deg) scale(0.96);
}
```

```
.button.right {
border-radius: 0 100% 0 0;
background: -webkit-radial-gradient(bottom left, ellipse cover, button-in 35%, button-out
75%);
background-color: #1abc9c;
}
```

```
.button.right::after {
  bottom: 0;
  left: 0;
  box-shadow: inset -2px 3px 2px -2px shadow, -10px 10px 0 10px bg;
  -webkit-transform: skew(3deg, 3deg) scale(0.96);
  -moz-transform: skew(3deg, 3deg) scale(0.96);
  transform: skew(3deg, 3deg) scale(0.96);
}
```

```
.button.left {
  border-radius: 0 0 0 100%;
  background: -webkit-radial-gradient(top right, ellipse cover, button-in 35%, button-out
75%);
  background: radial-gradient(top right, ellipse cover, button-in 35%, button-out 75%);
  background-color: #1abc9c;
}
```

```
.button.left::after {
  top: 0;
  right: 0;
  box-shadow: inset 2px -1px 2px 0 shadow, 10px -10px 0 10px bg;
  -webkit-transform: skew(3deg, 3deg) scale(0.96);
  -moz-transform: skew(3deg, 3deg) scale(0.96);
  transform: skew(3deg, 3deg) scale(0.96);
}
```

```
.button.bottom {
  border-radius: 0 0 100% 0;
  background: -webkit-radial-gradient(top left, ellipse cover, button-in 35%, button-out 75%);
  background: radial-gradient(top left, ellipse cover, button-in 35%, button-out 75%);
  background-color: #1abc9c;
}
```

```
.button.bottom::after {
  top: 0;
  left: 0;
  box-shadow: inset -2px -3px 2px -2px shadow, -10px -10px 0 10px bg;
  -webkit-transform: skew(-3deg, -3deg) scale(0.96);
  -moz-transform: skew(-3deg, -3deg) scale(0.96);
  transform: skew(-3deg, -3deg) scale(0.96);
}
```

```
i {
  -webkit-transform: rotate(-45deg);
  -moz-transform: rotate(-45deg);
  transform: rotate(-45deg);
  position: absolute;
  font-size: 20px;
  top: 35%;
  left: 31%;
  text-shadow: 1px 1px 4px #FFF, 0px 0px 0px rgba(0, 0, 0, 0.5);
}
```

```
    color: rgba(0, 0, 0, 0.15);
}

.top i {
    top: 35%;
    left: 45%;
}

.left i {
    top: 37%;
    left: 45%;
}

.right i {
    top: 35%;
    left: 49%;
}

.bottom i {
    top: 33%;
    left: 45%;
}

.btn {
    display: inline-block;
    color: white;
    font-size: 19px;
    height: 60px;
    width: 60px;
    border-radius: 50%;
    border: 0px solid green;
    margin-left: 20px;
    margin-right: 20px;
}

.button-group {
    padding-top: 20px;
    width: 300px;
    height: 300px;
    background-color: pink;
}

.outter-circle {
    position: relative;
    margin-left: 10px;
    width: 280px;
    height: 280px;
    background-color: lightcyan;
    border-radius: 100%;
    overflow: hidden;
    transform-origin: center;
    transform: rotate(45deg);
```

```
}

.inner-parts {
  float: left;
  width: 140px;
  height: 14px;
  line-height: 140px;
  text-align: center;
}

.inner-circle {
  position: absolute;
  margin-top: 70px;
  margin-left: 70px;
  width: 140px;
  height: 140px;
  line-height: 140px;
  text-align: center;
  border-radius: 100%;
  background-color: lightblue;
}

.rotate {
  display: inline-block;
  transform: rotate(-45deg);
}

.button1 {
  display: inline-block;
  width: 80px;
  background-color: #1abc9c;
  border: none;
  color: white;
  padding: 10px 16px;
  text-decoration: none;
  margin: 0px;
  font-size: 18px;
  cursor: pointer;
}

.button2 {
  display: inline-block;
  background-color: #0008ff;
  border: none;
  color: white;
  padding: 10px 16px;
  text-decoration: none;
  margin: 0px;
  font-size: 18px;
  cursor: pointer;
}
```

```
.button3 {
  display: inline-block;
  width: 80px;
  background-color: #0008ff;
  border: none;
  color: white;
  padding: 10px 16px;
  text-decoration: none;
  margin: 1px;
  font-size: 18px;
  cursor: pointer;
  border-radius: 5px;
}
```

```
.tab {
  max-width: max-content;
  overflow: hidden;
  border: 2px solid #ccc;
  background-color: #f1f1f1;
  margin-bottom: 10px
}
```

```
.tab button {
  width: 70px;
  background-color: inherit;
  border: none;
  outline: none;
  cursor: pointer;
  padding: 14px 16px;
  transition: 0.3s;
  font-size: 17px;
}
```

```
.tab button:hover {
  background-color: #ddd;
}
```

```
.tab button1 {
  background-color: #ccc;
}
```

```
.tabcontent {
  display: none;
  padding: 6px 12px;
  border: 1px solid #ccc;
  border-top: none;
}
```

```
.nav nav-tabs {
  width: 110px;
  overflow: hidden;
  border: 2px solid #ccc;
```

```
background-color: #f1f1f1;
}
```

```
.nav-link {
margin-left: 1px;
width: 90px;
background-color: #30F2F0;
border: none;
outline: none;
cursor: pointer;
padding: 10px 10px;
transition: 0.3s;
font-size: 23px;
border-radius: 5px
}
```

```
.Num {
position: relative;
top: -536px;
left: 0px;
font-size: 18px;
}
```

```
.R1 {
position: relative;
top: 0px;
left: 0px;
font-size: 18px;
margin-bottom: 10px;
}
```

```
.R2 {
position: relative;
top: 0px;
left: 0px;
font-size: 18px;
margin-bottom: 10px;
}
```

```
.R3 {
position: relative;
top: 0px;
left: 0px;
font-size: 18px;
margin-bottom: 10px;
}
```

```
.R4 {
position: relative;
top: 0px;
```



```
    left: 0px;
    font-size: 18px;
    margin-bottom: 10px;
}

.R5 {
    position: relative;
    top: 0px;
    left: 0px;
    font-size: 18px;
    margin-bottom: 10px;
}

.Position {
    position: relative;
    top: -10px;
    left: 0px;
    font-size: 18px;
}

.topright {
    position: absolute;
    top: 40px;
    right: 16px;
    font-size: 18px;
}

.button-on:active {
    background-color: #16a085;
}

.button-off {
    background-color: #1abc9c;
}

.button-off:active {
    background-color: #2c3e50;
}

.inputs {
    width: 10%;
    padding: 10px 10px;
    margin: 8px 0;
    box-sizing: border-box;
}

.bs-example {
    margin: 10px;
    text-align: center;
}
```

```
.overlay {
  position: fixed;
  display: none;
  width: 100%;
  height: 100%;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  background-color: rgba(0, 0, 0, 0.7);
  z-index: 2;
  cursor: pointer;
}
```

```
.Overlay {
  position: fixed;
  display: none;
  overflow: auto;
  width: 100%;
  height: 100%;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  background-color: rgba(0, 0, 0, 0.7);
  z-index: 2;
  cursor: pointer;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<center>
```

```
<div id="Btnvalue" style="display:none"></div>
```

```
<div class="tab">
```

```
<ul class="nav nav-tabs" id="myTab">
```

```
<li class="nav-item">
```

```
<a href="#TV" class="nav-link" data-toggle="tab"
  onclick="bgcol('orange') ">TV</a>
```

```
</li>
```

```
<li class="nav-item">
```

```
<a href="#STB" class="nav-link" data-toggle="tab"
  onclick="bgcol('blue') ">STB</a>
```

```
</li>
```

```
</ul>
```

```
</div>
```

```
<div class="tab-content">
```

```
<div id="TV" class="tab-pane">
```

```
<div class="R1">
```

```
<button class="btn button-on" name="TV-R4-0x1109807F-0xC0000C"
```

```
onclick="showname(this.name)"><span
```

```

        class="fa fa-tv"></span></button>
    <button class="btn button-on" name="RC6-0xC0000C"
onclick="showname(this.name)"><span
        class="fa fa-power-off"></span></button>
    <button class="btn button-on" value="Num" onclick="onkey('TV')"><span
        class="fa fa-keyboard"></span></button>
</div>
<div class="R2">
    <nav>
        <a type="button" class="button top button-on" name="RC6-0xC00058"
onclick="showname(this.name)">
            <h3><i>.</i></h3>
        </a>
        <a type="button" class="button right button-on" name="RC6-0xC0005B"
onclick="showname(this.name)">
            <h3><i>.</i></h3>
        </a>
        <a type="button" class="button left button-on" name="RC6-0xC0005A"
onclick="showname(this.name)">
            <h3><i>.</i></h3>
        </a>
        <a type="button" class="button bottom button-on" name="RC6-0xC00059"
onclick="showname(this.name)">
            <h3><i>.</i></h3>
        </a>
        <a type="button" class="center-button" name="RC6-0xC0005C"
onclick="showname(this.name)">
            <h3><i>OK</i></h3>
        </a>
    </nav>
</div>
<div class="R3">
    <button class="btn button-on" name="RC6-0xC0000D"
onclick="showname(this.name)"><span
        class="fa fa-volume-mute"></span></button>
    <button class="btn button-on" name="RC6-0xC0007E"
onclick="showname(this.name)"><span
        class="fa fa-solid fa-gear"></span></button>
    <button class="btn button-on" name="RC6-0xC00083"
onclick="showname(this.name)"><span
        class="fa fa-thin fa-solid fa-rotate-left"></span></button>
</div>
<div class="R4">
    <button class="button1 button-on" name="RC6-0xC00010"
onclick="showname(this.name)"><span
        class="fa fa-volume-up"></span></button>
    <button class="btn button-on" name="RC6-0xC00084"
onclick="showname(this.name)"><span
        class="fa fa-home"></span></button>
    <button class="button1 button-on" name="RC6-0xC00020"
onclick="showname(this.name)">CH+</button>
</div>

```

```
<div class="R5">
  <button class="button1 button-on" name="RC6-0xC00011"
onclick="showname(this.name)"><span
  class="fa fa-volume-down"></span></button>
  <button class="btn button-on" name="MSG"
onclick="onmore("TV")">Mor</button>
  <button class="button1 button-on" name="RC6-0xC00021"
onclick="showname(this.name)">CH-</button>
</div>
</div>
<div id="KeypadTV" class="overlay" style="display: none;">
  <button style="margin: 100px" class="button3 button-on"
onclick="offkey()">return</button>
  <div class="relative">
    <p>
      <input type="button" class="button3 button-on" value="1" name="RC6-0xC00001"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="2" name="RC6-0xC00002"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="3" name="RC6-0xC00003"
        onclick="showname(this.name)">
    </p>
  </div>
  <div class="relative">
    <p>
      <input type="button" class="button3 button-on" value="4" name="RC6-0xC00004"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="5" name="RC6-0xC00005"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="6" name="RC6-0xC00006"
        onclick="showname(this.name)">
    </p>
  </div>
  <div class="relative">
    <p>
      <input type="button" class="button3 button-on" value="7" name="RC6-0xC00007"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="8" name="RC6-0xC00008"
        onclick="showname(this.name)">
      <input type="button" class="button3 button-on" value="9" name="RC6-0xC00009"
        onclick="showname(this.name)">
    </p>
  </div>
  <input type="button" class="button3 button-on" value="0" name="RC6-0xC00000"
    onclick="showname(this.name)">
</div>
<div id="MoreTV" class="Overlay">
  <button style="margin: 100px" class="button3 button-on"
onclick="offmore()">return</button>
  <div class="relative">
    <p>
```

```

        <button class="button3 button-on" name="hello"
onclick="showname(this.name)">hello</button>
        <button class="button3 button-on" name="hello"
onclick="showname(this.name)">helwelo</button>
    </p>
</div>
</div>
<div id="STB" class="tab-pane">
    <div class="R1">
        <button class="btn button-on" name="NEC-0x1109807F"
onclick="showname(this.name)"><span
            class="fa fa-tv"></span></button>
        <button class="btn button-on" name="STB-0xC0000C"
onclick="showname(this.name)"><span
            class="fa fa-power-off"></span></button>
        <button class="btn button-on" value="Num" onclick="onkey('STB')"><span
            class="fa fa-keyboard"></span></button>
    </div>
    <div class="R2">
        <nav>
            <a type="button" class="button top button-on" name="STB-0xC00058"
onclick="showname(this.name)">
                <h3><i>.</i></h3>
            </a>
            <a type="button" class="button right button-on" name="STB-0xC0005B"
onclick="showname(this.name)">
                <h3><i>.</i></h3>
            </a>
            <a type="button" class="button left button-on" name="STB-0xC0005A"
onclick="showname(this.name)">
                <h3><i>.</i></h3>
            </a>
            <a type="button" class="button bottom button-on" name="STB-0xC00059"
onclick="showname(this.name)">
                <h3><i>.</i></h3>
            </a>
            <a type="button" class="center-button" name="STB-0xC0005C"
onclick="showname(this.name)">
                <h3><i>OK</i></h3>
            </a>
        </nav>
    </div>
    <div class="R3">
        <button class="btn button-on" name="STB-0xC0000D"
onclick="showname(this.name)"><span
            class="fa fa-volume-mute"></span></button>
        <button class="btn button-on" name="STB-0xC0007E"
onclick="showname(this.name)"><span
            class="fa fa-solid fa-gear"></span></button>
        <button class="btn button-on" name="STB-0xC00083"
onclick="showname(this.name)"><span

```

```

        class="fa fa-thin fa-solid fa-rotate-left"></span></button>
</div>
<div class="R4">
    <button class="button1 button-on" name="STB-0xC00010"
onclick="showname(this.name)"><span
        class="fa fa-volume-up"></span></button>
    <button class="btn button-on" name="STB-0xC00084"
onclick="showname(this.name)"><span
        class="fa fa-home"></span></button>
    <button class="button1 button-on" name="STB-0xC00020"
onclick="showname(this.name)">CH+</button>
</div>
<div class="R5">
    <button class="button1 button-on" name="STB-0xC00011"
onclick="showname(this.name)"><span
        class="fa fa-volume-down"></span></button>
    <button class="btn button-on" name="MSG"
onclick="onmore('STB')>Mor</button>
    <button class="button1 button-on" name="STB-0xC00021"
onclick="showname(this.name)">CH-</button>
</div>
</div>
<div id="KeypadSTB" class="overlay" style="display: none;">
    <button style="margin: 100px" class="button3 button-on"
onclick="offkey()">return</button>
    <div class="relative">
        <p>
            <input type="button" class="button3 button-on" value="1" name="STB-0xC00001"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="2" name="STB-0xC00002"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="3" name="STB-0xC00003"
            onclick="showname(this.name)">
        </p>
    </div>
    <div class="relative">
        <p>
            <input type="button" class="button3 button-on" value="4" name="STB-0xC00004"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="5" name="STB-0xC00005"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="6" name="STB-0xC00006"
            onclick="showname(this.name)">
        </p>
    </div>
    <div class="relative">
        <p>
            <input type="button" class="button3 button-on" value="7" name="STB-0xC00007"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="8" name="STB-0xC00008"
            onclick="showname(this.name)">
            <input type="button" class="button3 button-on" value="9" name="STB-0xC00009"

```

```

        onclick="showname(this.name)">
    </p>
</div>
<input type="button" class="button3 button-on" value="0" name="STB-0xC00000"
    onclick="showname(this.name)">
</div>
<div id="MoreSTB" class="Overlay">
    <button style="margin: 100px" class="button3 button-on"
onclick="offmore()">return</button>
    <div class="relative">
        <p>
            <button class="button3 button-on" name="hello"
onclick="showname(this.name)">hello</button>
            <button class="button3 button-on" name="hello"
onclick="showname(this.name)">helwelo</button>
        </p>
    </div>
</div>
</div>
<script>
    function onkey(Keypad) {
        switch(Keypad){
            case 'TV':
                document.getElementById("KeypadTV").style.display = "block";
                break;
            case 'STB':
                document.getElementById("KeypadSTB").style.display = "block";
                break;

        }
    }
    function offkey() {
        document.getElementById("KeypadTV").style.display = "none";
        document.getElementById("KeypadSTB").style.display = "none";
    }
    function onmore(More) {
        switch(More) {
            case 'TV':
                document.getElementById("MoreTV").style.display = "block";
                break;
            case 'STB':
                document.getElementById("MoreSTB").style.display = "block";
                break;

        }
    }
    function offmore() {
        document.getElementById("MoreTV").style.display = "none";
        document.getElementById("MoreSTB").style.display = "none";
    }
}
</script>
<script>
    function showname(btnname) {
        if (btnname.length == 0) {
            document.getElementById("Btnvalue").innerHTML = "";

```

```

    return;
  }else {
    const xmlhttp = new XMLHttpRequest();
    xmlhttp.onload = function() {
      var x = document.getElementById("Btnvalue").innerHTML = this.responseText;
    }
    xmlhttp.open("GET", "btnstate?Btnvalue=" + btnname);
    xmlhttp.send();
  }
  document.getElementById("Btnvalue").innerHTML = btnname;
  console.log(btnname);
}

function bgcol(col) {
  const collection = document.getElementsByClassName("button-on");
  for (var i = 0; i < collection.length; i++) {
    collection[i].style.backgroundColor = col;
    localStorage.setItem("btn-color", col);
  }
}
</script>
</center>
</body>
</html>
)=====";

```