

Welcome to the world of

remoteSwitch.de

BETA

One switch to rule them all.

Documentation – work in progress

Slides will be filled in random order – dont forget to scroll down 😊

remoteSwitch – Demo Case: Competitive Multi-Multi, 6 Radios

Used switching hardware:

6 x [remoteQTH 4to1 4KW](#)

6 x [remoteQTH 6to1 4KW](#)

3 x [remoteQTH 6to2 4KW](#)

To Control the switches:

4x remoteBig32

For PTT-Routing:

1x remoteUltra 4stack

For 7 ANT RX-Switch:

1x remoteUltra 16CH

For infrastructure:

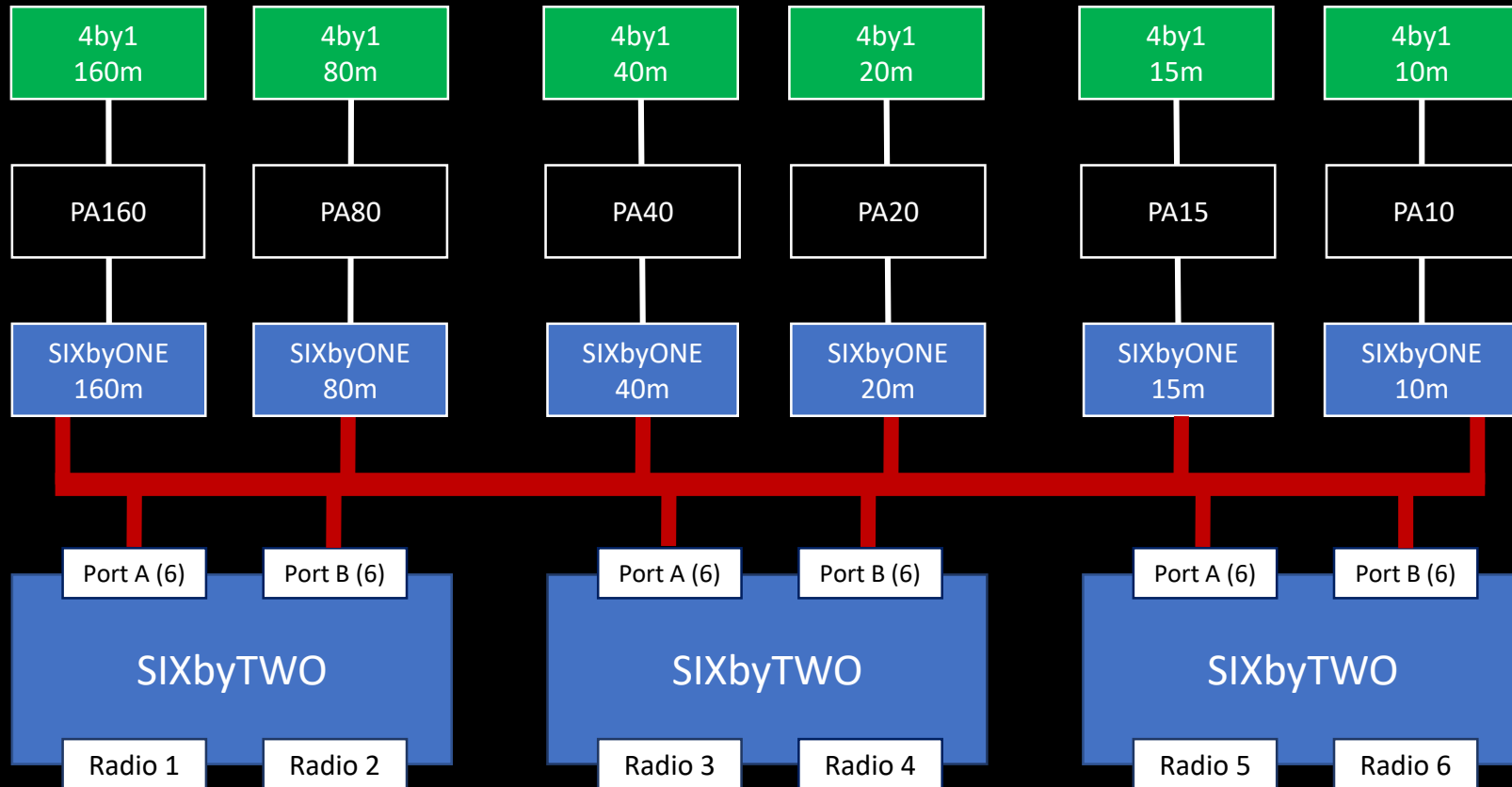
1x remoteUltra 16CH

Main-Control:

1x remoteRaspi v1.5

6x remoteInterlock 1of16

+ some ahina 16ch relay boards ☺



BUS – multiple Lines (coax)

Single Line (coax)

remoteRaspi – UI Demo Case: Competitive Multi-Multi, 6 Radios

- Disable complete Banks for users (use case reduced to 4 radios)
- Group ports together
- Locking over different banks!
- Inter-Bank-Locking!
- Automated switching with DXLog, N1MM, ...
- Unwanted/unused Buttons greyed out
- Optimized also for tablets, AndroidTV or phones



Explore the endless possibilities! Just tell us your requirements, we show you how to configure them!

remoteRaspi – UI Demo Case: Own view for your 20m running Station

- Strip down the UI by configuration
- Own views for different clients!
- Give your view a decent name!



remoteRaspi – UI Demo Case: Configure your own dashboards

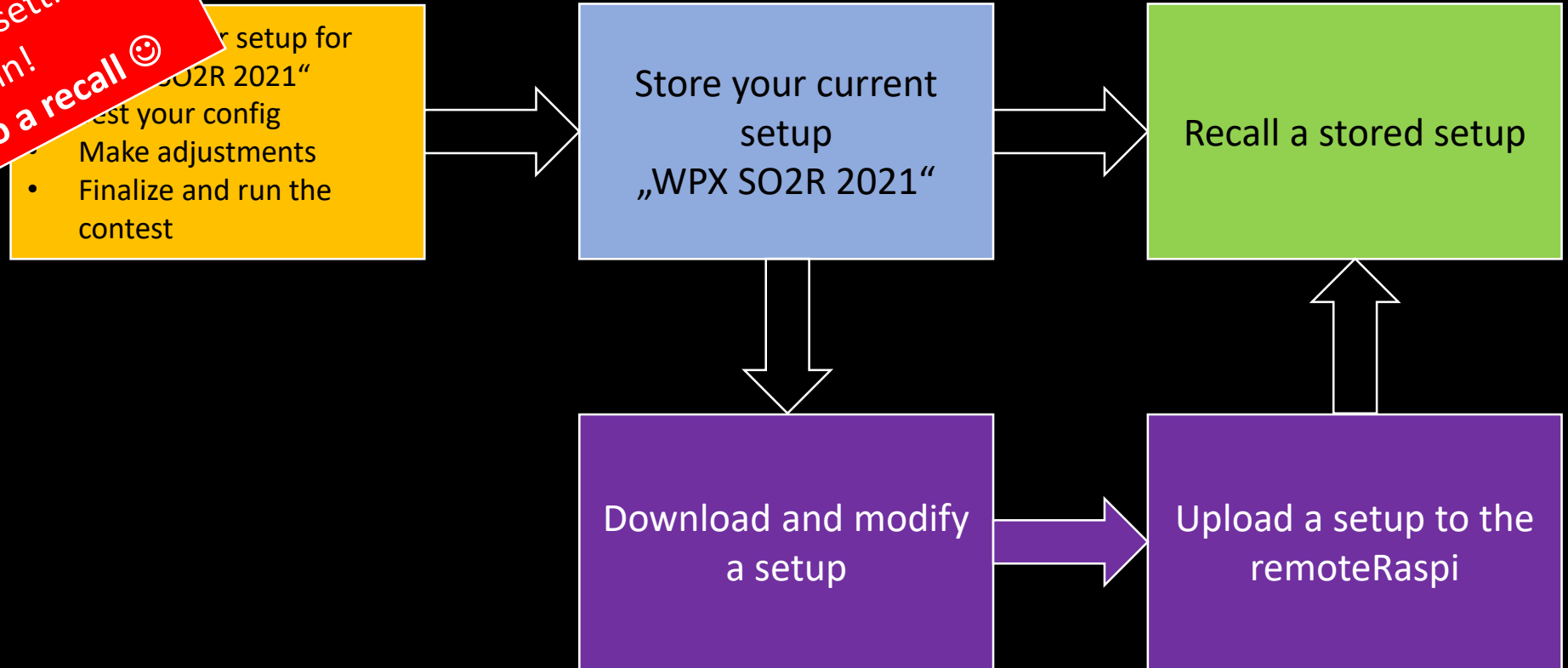
- Create a gridconfig
- Define your labels
- Add commands
- Save config
- Ready to use!
- Great for tablets!
- No Coding!
- No Limits!



Due to command chaining you can create queues of commands.
Hint: Configure a delay between commands when switching high current!

remoteRaspi –Demo Case: Store and recall a setup „WPX SO2R 2021“

REUSE YOUR CONFIGURATION
Never spend hours for setting up
a contest again!
Be smart – Just do a recall 😊



...more detailed info coming soon!



Scroll
DOWN

...more detailed info coming soon!



Scroll
DOWN

remoteUltra wifi - HowTo

Install:

Visual Code

Platform IO

<https://platformio.org/install/ide?install=vscode>

Download: <https://github.com/dm5xx/minimalUltraswitch>

Open the project file and upload to the ESP-12F:
workspace.code-workspace

Upload to your server (optional, see remoteServer if needed)

„Customizable files“ (Labels, ...)

https://github.com/dm5xx/minimal_custom

„Control files“ (not recommended!)

https://github.com/dm5xx/minimal_control

Restart ESP-12F. ESP-12F will switch to AccessPoint mode for configuration. Pwd is My + Netname. E.g. MyESP_55D6CE (without _AutoC...)

Best: Use your smartphone to configure the remoteUltra.



remoteUltra wifi - HowTo

If you are connected to the AP, open your web browser (smartphone):

<http://192.168.100.39:59/wifi>

(1) Choose the wifi you want to connect the switch to

(2) Add your password

Choosing a second wifi is optional! Only if needed. Leave fields empty.

(3) Switchurl: if your remoteUltra should be accessible from the outside.

(Warning: Strongly recommended to use a VPN!)

Example: dm5xx.no-ip-org

(4) Number of boards added to the 12F-stack

(5) Don't change this! Control files might get an update. You always get the newest stuff when pointing to our mmmddie-online server.

(6) Change this to your server url, if you want to customize Labels, Buttons, Banknames, etc. See remoteServer if you want to have a local storage webserver. Example: www.dm5xx.de/ultra/

(7) Static IP, Gateway Subnet, DNS could be added. We recommend to stay with DHCP, but assign always the same IP address to the switch. No need to change unless you know what you are doing.. ☺

15:48 192.168.100.39:59/wifi#t

Configuration

mmmediaP 84%
mmmedia 66%

To reuse already connected AP, leave SSID & password fields empty

SSID
mmmedia 1

Password
password 2

SSID1
mmmedia 1

Password
password1 2

switch_url

15:49 192.168.100.39:59/wifi#t

switch_url
0 3

numberOfBoards
1 4

custom_js
h.mmmmedia.de/minimal63/ 5

custom_cu
h.mmmmedia.de/minimal63X 6

Static IP
(IP unset)

Gateway IP
192.168.2.1

Subnet
255.255.255.0 7

DNS1 IP
192.168.2.1

DNS2 IP

remoteUltra wifi - HowTo

After **save**, remoteUltra will restart. If all went well, the blue status on the remoteUltra will start blinking slowly. The AccessPoint *ESP_xyz...* will no longer be shown in your wifi network overview. Ready to rumble!

You can call the remoteUltra in your browser by `http://hostname:59`:

Example using a Fritzbox: <http://XX-ESP-55D6CE.fritz.box:59>

(Mind the difference to the networkname. Your hostname is *XX-<ESP-number>*. Dont forget to add port :59)

If your DHCP-Server is not a Fritzbox and you don't know whats going on, try to scan for your remoteUltra using an IP Scanner:


<https://www.advanced-ip-scanner.com>

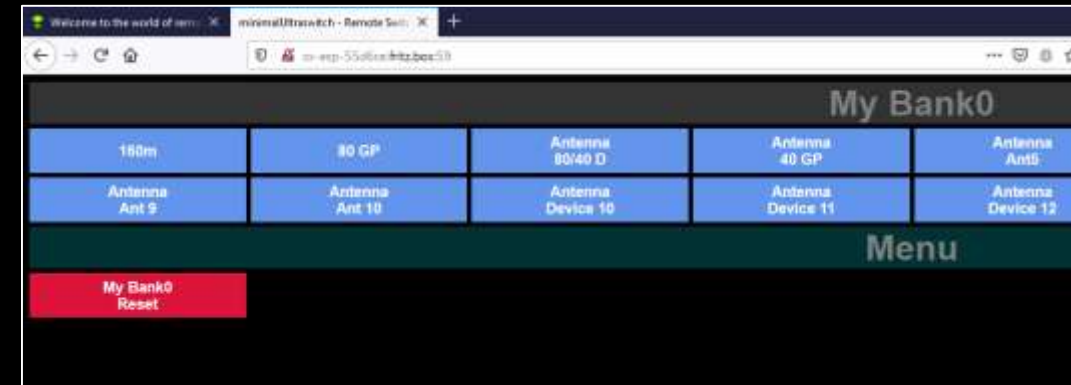
If you know what IP your remoteUltra should be, you can add a static ip (see slide before, step **7**), gateway and DNS.

If all went fine, you will see you remoteUltra userinterface. Call it by its IP. Dont forget to tell the DHCP server to assign always the same IP to the device. (Example for fritzbox can be found [here](#))

If you need help, contact us by mail and ask for personal support. We try to help you setting everything up. We won't leave you alone.

Don't worry, it's easier than reading this 😊

Ergebnisliste Favoriten			
Status	Name	IP	
	XX-ESP-55d6ce.fritz.box	192.168.97.245	Espressif Inc.



...more detailed info coming soon!