QsoTrainer © by HB9FVK

The intention to make a cw Trainingsdevice was a Project to find out, if such a device could be made by myself.

It is mainly to train qso, you make qso with an esp8266 microcontroller with a small oled screen. 128X32. You can control the qsoTrainer mostly by giving a spacial cw Prosigns, such as listed below. Given the prosigns a second time, the mode will be terminated and confirmed by “rr”.

twice sk will reset the qsoTrainer.

<sk><sk>	Reset

the next commands starts a qso, either as caller or answerer, in SOTA Mode, you will be the chaser or the Activator.

<ka><ka>	Chasermode
<qrl?>	Activatormode

A qso follows these rules. [SOTA] depends if SOTA mode or not, default is non SOTA.

Activator: CQ [SOTA] DE XY2ABC [XY/KB023] K
Chaser : XY2DEF
Activator: XY2DEF GD 559 559 BK
Chaser : RR GD 559 559 [REF XY/KB045] 73 TU BK
Activator: 73 TU EE
Chaser : XY2GHJ

Echos every code you give with your paddle.

<as><as>	Trainingsmode keying

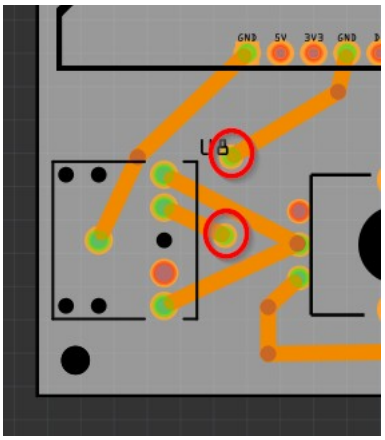
The following modes are to practice cw, by listening to cw and giving back what you heard. After 5 fails, the code will be given again.

<bt><bt>	Call sign Training
<ve><ve>	CW Abbreviation Training
<ar><ar>	single character Training.

Menu system

Double click the Encoder Knob (right side) for the Menu, select WPM, Farnsworht, SOTA mode or paddle Polarity. The Left Knob (Volume) to adjust the Volume. You may add a small Loudspeaker 1W 8Ohm to the Board. See picture below.

https://www.aliexpress.com/w/wholesale-Loudspeaker-1W-8ohm.html?spm=a2g0o.productlist.search.0



To see what you are keying, connect a Serial Terminal or use a Tablet and connect to WifiAp “qsoTrainer” no Password needed, us a Telnet client to listen to 192.168.4.22:8088, i use ConnectBot for Android.

Information to build your own qsoTrainer are available on github.

https://github.com/pavian57/qsoTrainer