

CW SIMULATOR



CW simulator, suitable for enthusiasts to learn CW, school students CW training, organize CW competitions and other occasions. Support free practice function, listening practice function, competition timing function, support straight key, iambic paddle, built-in monitor speaker, supporting PC setting software.

Built-in 2000 sets of alphanumeric mixed tables to support group selection

Support practice mode, support listening broadcast, support contest mode

Support for dot dash display

Support correct error count statistics

Competition time is adjustable from 1 to 30 minutes

Support for recording the latest 30 results, automatically refresh

Support setting lock

Support straight keys, iambic paddles

Support paddle reverse

Integrated 3.2 inch touch color screen, support custom color screen interface

Companion PC setup software

Integrated USB interface chip

Built-in dedicated clock timing circuit

Built-in clock back battery

Built-in monitor speaker, adjustable volume

Integrated headphone monitor jack

Support external DC 5V power supply

Support firmware upgrade

When you first time use, please check the timing.

Connect USB to your computer and use the dedicated PC timing software.

The built-in clock battery of this machine, the host will not be powered for a long time, will consume the clock battery within a few days, use it again, the clock needs to be re-timed.

Interface description



LED indicator:

LCD: Press and hold the FUN button, this light will be on and enter the LCD interface upgrade mode.

LOCK: Short press the FUN button, this light is on, the setting parameters are locked, and the adjustment is prohibited.

STU: Work status indication

CW: Key synchronization indication

3.2 inch HMI touch color screen:

Touch operation, the surface has a protective film, the interface can be customized, heavy blow is strictly prohibited, and high temperature environment operation is strictly prohibited.



DC 5V: External power interface 5V, DO NOT exceed 5V, will damage the device

KEY : Iambic paddle, straight key interface

EAR: Headphone jack, volume is adjusted by external headphones

Built-in speaker: volume is adjusted by the back potentiometer

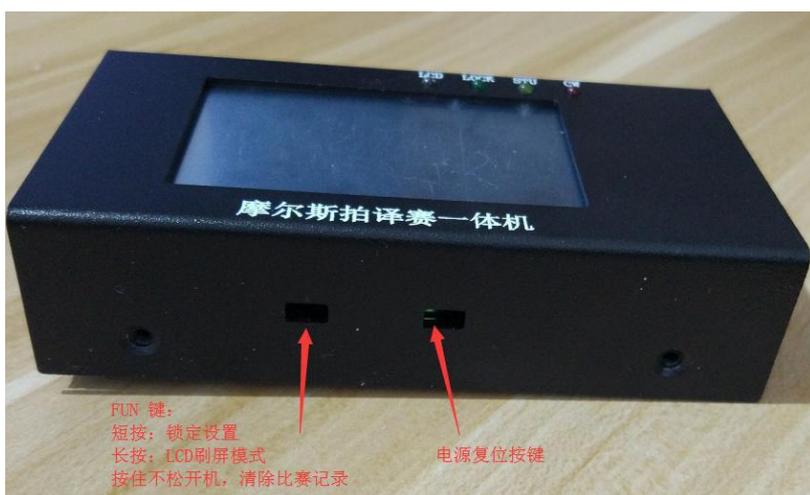
USB: for power supply, PC settings, firmware upgrade



Speaker

Volume

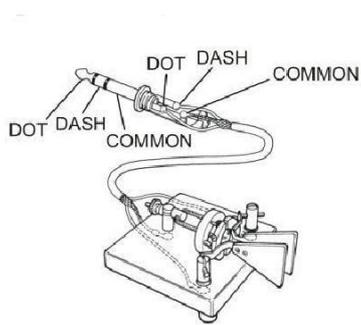
Wall mount holes



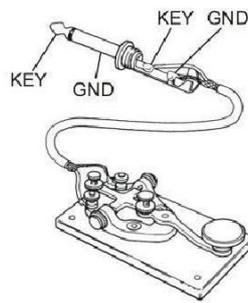
FUN buttons:

1. Press and hold this button, don't let go, power on, clear the record.
2. Press and hold the FUN button to illuminate the LCD light and enter the LCD interface upgrade mode.
3. Short press the FUN key to light the LCD light, the setting parameters are locked, and the adjustment is prohibited.

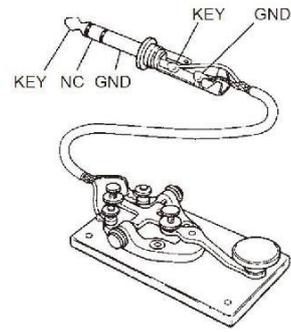
Power reset button: used to upgrade firmware



Paddle wiring



Straight key wiring 1



Straight key wiring 2

Interface



SET

The firmware version number and real time clock are displayed at the bottom.

Duration: 1-30 minutes. When locked, adjustment is prohibited.

Speed: 5-35 PWM, when locked, prohibit adjustment.

Note: When the setting and actual speed error are more than or equal to 3PWM, the decoding will be displayed incorrectly.

Type of key: Straight, Normal, Reverse

Telegraph code library: 1-20 library

The built-in 1-20 libraries are optional, and each library has 100 sets of random codes, each group consisting of 6 random letters and numbers.

The code library can be replaced by a custom program.

Buzzer: ON = monitor speaker on OFF = turn off monitor speaker



Practice



Training



Contest

START: Start the race timing

RECORD: View timed record

STOP: stop timing

Note: The result button touch is invalid when the timer is started.

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序号	日期	时间	速度	时长	正确	错误
01	0222	17:53	15	00:38	0008	0010
02	0222	16:56	15	00:04	0000	0000
03	0222	15:36	15	00:02	0000	0000
04	0222	12:42	15	00:03	0000	0000
05	-----	--:--	--	--:--	-----	-----
[拍发记录]					返回	

Result statistics

PC software description

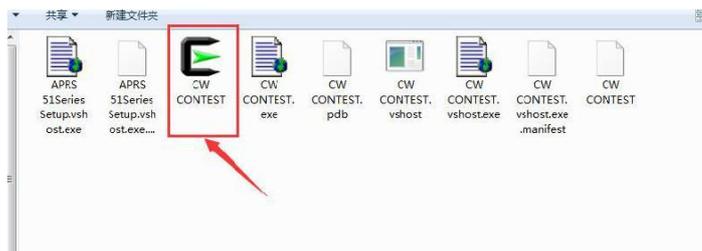
Real-time calibration and parameter setting for the host can be realized through the PC software.

1, Install CH340 USB driver



2, Select the right COM port

3, Run program – CW CONTEST (requires NET 4.0)



Timing :

The firmware version number and real-time clock of the unit are displayed on the bottom of the setting interface.

The built-in clock circuit of the host should confirm the correct time before the competition. When the time is not correct, it should set the correct time.

Connect USB to your computer, open the setup software, and click on "Timing 校对" .

Firmware update

Plug in USB cable ,install CH340 USB driver,
Open the Firmware program,select the right COM port,
Click “开始升级 Start update”



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