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CWswitch for RIGblaster Duo **Instructions**

Thank you for purchasing our CWswitch, we are glad to see you are a serious CW operator.

This switch is designed to be used stand-alone or as a slaved accessory for our RIGblaster Duo. The basic function is to switch CW paddles, keys and/or stand alone or computer keyers between two radios for use with break-in or semi-break-in transmit activation.

Since modern radios sometimes have two key/keyer inputs we provide two switching circuits. One switches two wires to select either straight keys or external keyers. Note that the output of a keyer, whether it be a computer being used to type CW or an external keyer controlled by a paddle is two wires just like a straight key. These CW keying devices can only be plugged into a radio's straight key jack.

The other circuit is a three wire switching circuit that is intended for dot-dash paddles that make one connection to send dots and another to send dashes. These paddies must be plugged into a radio's paddle input in order to use a radio's internal keyer.

If all of that makes sense you should be able to connect the CWswitch's keyer connections by looking at the labels on the jacks.

Keyer/straight key inputs:

You may use the front panel 1/4" phone jack keyer input for any two wire straight key or external keyer. You will notice there is another 1/8" keyer B input on the back for a 2nd key or keyer. This would allow you to have your choice of both a keyer and a computer for keying or a keyer and straight key. Of course you could hook up an external keyer, computer keyer and a straight key but you would need a Y cord (not supplied) to do all three.

Paddle inputs:

On the front there is a 1/4" phone jack for a paddle, there is no additional paddle input on the back, you only need one paddle as it can be connected to either radio.

Outputs:

On the back you will see two keyer (2 wire) outputs, A and B, for your two radios, A and B. There are also two paddle outputs (3 wire) for both radios.

Power Input and LED connections:

The 12DC power jack requires 11.5 to 15 VDC with center pin positive + to operate the CW switch's relays. To use it stand-alone connect the power with the correct polarity. The LED OUT is only for use with a RIGblaster Duo.

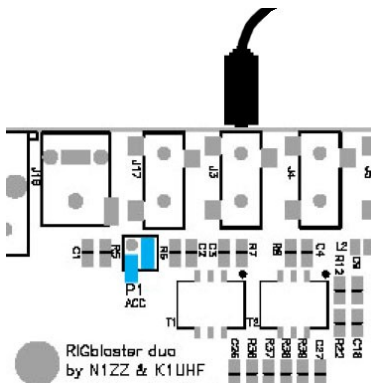
Connecting and using the CWswitch with a RIGblaster Duo:

A RIGblaster Duo normally selects CW transmit for either of two radios by assigning the PTT control from any PTT switch, including hand or foot switches, or from a computer. If you would like to use your radio's break-in or semi-break-in CW transmit control instead that is what this CWswitch is intended for.

On the RIGblaster Duo we provided LED transmit ready indicator outputs which may also be used to control accessories like this CWswitch.

CAUTION!! Follow these next steps carefully you could damage the RIGblaster Duo or the transmit ready LEDs. Make sure power is disconnected to your RIGblaster when making all connections.

If you have transmit ready LED indicators on your Duo you must disconnect the "B" LED. Remove the Duo's top cover and locate the P1 accessory control jumpers behind the LED outputs. Move the right hand jumper from the single pin, it is on by default, to both of the right hand pins.



Replace the top cover and plug the supplied LED power cable between the RIGblaster Duo's LED B output and the CWswitch's LEDB/12VDC input. If you already had a LED plugged into your RIGblaster Duo's LED B output plug that back into the CWswitch LED OUT B so that it works like before.

You must set the CWswitch's "xmit select" switch to the B position and leave it this way as long as the CWswitch is used with a RIGblaster Duo. The CWswitch will be controlled by the RIGblaster Duo as a remote controlled slave switch.

Note: Since the CWswitch is controlled by the Duo you may hide it behind your operating table as you do not need to get to it when it is remotely controlled by the RIGblaster Duo.

At this time everything should be hooked up and functioning so try it out. Put your break in on and see if whatever keys or keyers you have connected switch between radios when you toggle the RIGblaster Duo's "xmit select" switch.