

### “Battery Installation”

WKUSB, with a Winkeyer IC, is K1EL's original CW interface for the PC. It provides a convenient way to connect your PC to an amateur radio transceiver and send Morse both under computer control and by iambic paddle. The Winkeyer replaces PC generated Morse and produces perfectly timed elements at speeds up to 99 WPM. In addition, Winkeyer provides an optical isolation between your PC and radio to prevent ground loops and electrical noise problems. If that's not enough, Winkeyer gives you a complete standalone keyer with speed control, message buttons, and a paddle interface. It is hard to find a contest or logging app that does not support Winkeyer. WKUSB-SMT comes fully built and tested, all you the purchaser has to do if you wish to do so is fit 3 x AAA batteries (Use a good quality type)



Remove the 4 x screws that hold the case together. Two (2) either side. Now carefully lift the top off, from the front and then slide toward you. Taking care that the sockets on the rear clear the holes before lifting off altogether, and without straining the cables.

Now gently remove the battery box top, and fit 3 x “AAA” size batteries – **Use Good Quality (such as Duracell)** check insertion against the layout in the battery box.



The batteries should last approx. 1 year with normal use. Once the batteries are fitted you will hear “**R**” in Morse, replace the battery cover and gently replace the Keyer Top, inserting the Rear sockets first (reverse of opening the case). Replace the screws, and you are now ready to test and use your WKUSB Keyer.

For full details and instructions on how to use your WKUSB please go here:

<http://k1el.tripod.com/WKUSBX.html>