Ultra PicoKeyer KIT

Brand: HamGadgets
Product Code: ULTRA-PK

Price:$34.95

5 or more $29.95

Available Options

Cabinet selection:
☐ No cabinet (-$6.00)

Assembled:
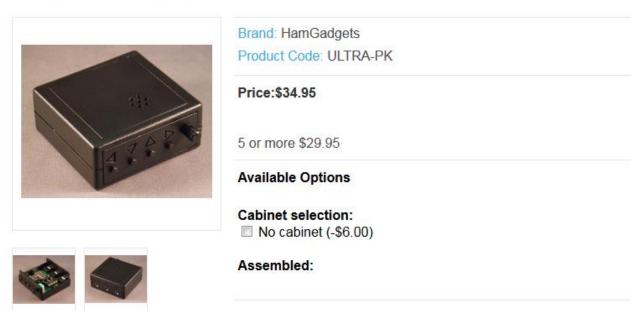
The Ultra PicoKeyer is an advanced, super low power iambic keyer with a long list of standard features. Here are the main features of the PicoKeyer Kit:

- Super simple operation, even with advanced features
- **NEW!!** added BANK 2 with four more memory slots and BANK/BK menu
- **NEW!!** EIGHT message memories hold up to 127 characters each, and can be chained together in any order to make up to a 500 character message. Message #1 can be set to auto-start when power is applied, great for propagation beacons.
- Two new, 63-character MYCALL memories can be used in messages; one can be sent independently from the front panel buttons.
- QRSS mode lets you send messages with dot times from 1 to 255 seconds
- **NEW!!** Paddle re-scan using middle buttons will now announce "P" for PADDLE or "K" for KEY
- Low parts count for quick, hassle-free assembly. Builders with some experience will find the average time to assemble is about 30 to 45 minutes. Figure an easy one evening of assembly even for beginners.
- Simple and quick "menu" setup functions accessed with front panel buttons
- Message entry using your paddle
- PCB-mounted, 1/8" (3.5mm) jacks for your key, rig and ear buds or headphones
- PCB-mounted speed control potentiometer
- On board lithium coin cell battery (included) and battery holder
- On board speaker for sidetone
- Dual 2N7000 keying output MOSFETs for solid-state rigs and some tube gear, handles up to 60 V positive or negative.
- Ultra low power operation - A single lithium coin cell can last up to a couple of years depending on use.
- Dot and dash memories for easy code with perfect timing and spacing
- Works equally well with single-lever or dual-lever keys using iambic "squeeze" or non-iambic keying

- Dual Speed feature - Speed is adjustable from 5 to 60WPM from the menu. You can use the speed control pot to adjust from 5 to 63 WPM, and instantly revert to the stored speed at any time!
- Speed control range (min/max) can be set to your preference (5-30 WPM standard, you set to whatever you want)
- Variable pitch audio sidetone can be turned OFF or ON
- MCW mode uses the keying output as PTT to send audio Morse code over voice radios - now you can practice Morse on the air with your friends using 2M or 70cm FM.
- Adjustable weight
- Selectable iambic Mode A or Mode B as well as Ultimatic and semi-automatic "bug" modes
- Hands-free Tuneup mode lets you select a steady carrier or 50% duty cycle dits
- Beacon mode allows repeating messages with user-specified delay up to 99 seconds
- Straight key autodetect - plug in a straight key and press a pair of buttons, and the keyer will automatically use straight key mode *with all memories available!* (**Please note** that this means message playback is available. Message recording requires a paddle.)
- Message pause - insert a pause to manually send RST or other information in the middle of a saved message.
- QSO/serial number can be inserted in a message, auto-incremented and decremented. You can set or reset the QSO number from the setup menu. Counts up to 65536, which should be enough for the biggest contests.
- Optional leading zeros can be sent for QSO numbers less than 3 digits.
- Cut numbers can be selected for QSO numbers in stored messages. Zeros, nines, both or neither can be selected.
- Transmitter QSK delay compensation - Lengthen elements by a preset number of milliseconds to correct for transmitters that tend to shorten dits and dahs in QSK mode.
- Paddle switching - effortlessly select left or right handed operation without switching wires or turning the key upside down
- No battery required to retain settings or memory!
- Easy to integrate into new homebrew or kit rigs, or add it to your older equipment.
- "Factory Reset" option to restore all default settings to your PicoKeyer

The PicoKeyer uses FLASH and EEPROM memory to store all settings and message memory, meaning NO backup batteries and NO lost settings.

The Ultra PicoKeyer kit includes the pre-programmed and ready to use Ultra PicoKeyer chip, a high quality solder masked and silkscreened PCB, and all parts needed to build a complete keyer, AND a custom cabinet drilled and machined to fit the keyer. Once the simple assembly is finished, the keyer can be mounted in the included enclosure. Your kit carries a one year warranty.

www.hamgadgets.com also available on Amazon

WKUSB with WinKeyer3 IC $89.00 USD

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. Morse keying that is generated by a PC based application is prone to timing problems that are a result of the multitasking nature of Windows and other operating systems. All it takes is a long disk search or slow peripheral access to upset the intricate timing of Morse letters. This shows up even more at higher speeds such as you would find in a CW contest. 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. K1EL created the Winkeyer interface back in 2001 and did all the work convincing software developers to incorporate it into their applications.

WKUSB-SMT employs a surface mount PC board that has almost all board mounted parts pre-soldered and tested. Final kit assembly involves just soldering in a few through hole components which will take about 15 minutes.

WKUSB-SMT Features

- Uses the WinKeyer3 IC (V30)
- 4 Message pushbuttons
- Independent Outputs to drive two separate rigs
- RCA style Key and PTT outputs on back panel
- Key and PTT outputs are optically isolated
- High voltage solid state keying relays
- Weighting, Keying compensation, and Letterspace
- Sidetone speaker on board

- Custom high quality silkscreened enclosure
- Front Panel Speed Control
- Paddle connector on back panel
- USB interface (FTDI Controller based)
- Uses USB Type A to B Cable (not included)
- Internal battery holder for three AAA batteries
- Low power standby in standalone mode
- Enclosure Size: 4.0" W by 3.0" D by 1.75