

NYE VIKING IAMBIC KEYER
MODEL SSK-1-K

Description

The Nye Viking Iambic Keyer combines the excellent features of the Nye Viking Super Squeeze Key with the superb reliability of the Curtis 8043 keyer chip, all packaged in a handsome cabinet. Its 2½ lb. weight and non-skid feet provide excellent stability. Gold-plated contacts insure long life and reliability and eliminate "missing" dots and dashes. Exclusive form-fitting, extra long paddles make for tireless keying and provide an easy "change of pace" without changing key adjustments.

A Nye Viking 404 audio oscillator and speaker is included for monitoring and practice keying. The unit will key either negative or positive keyed transmitters up to 200 ma. at 250 volts. A switch on the rear of the chassis determines polarity. Output is terminated in a shielded cable with a standard ¼" phone jack. A switch is provided to allow "tune-up" and slow speed hand keying with the dash paddle. (It also simulates the old-fashioned bug keying when in the test or "tune-up" position.)

The keyer operates equally well on an internal 9V transistor battery or the plug-in AC supply furnished.

Installation

For battery operation, remove the cover by removing the four screws on the bottom and slipping the cover off. Place the battery under the clip provided and plug in. NOTE: the unit will not operate on battery if the AC supply is plugged in to the rear of the unit. To use AC power supply, simply plug into the rear of the keyer and into a 115V 50 or 60 Hz outlet.

Contacts and spring adjustments should be adjusted to suit your "feel." See SSK-1 Instructions to adjust contacts.

Plug key plug into key socket of transmitter and move the polarity switch on the rear of the keyer to the proper polarity to key your transmitter. (This is the outermost of the three slide switches on the rear of the cabinet.) If the switch is in the wrong position, it will key the transmitter on.

Operation

The three slide switches on the rear of the cabinet:
1 - turn the audio on and off; 2 - convert the dash paddle to manual; 3 - determine the output polarity of the keyer.

The polarity key can also be used as a "tune-up" switch, as each output has a reverse diode protective circuit which will key a transmitter of the opposite polarity.

The center switch disconnects the dash feature and allows you to use the keyer like an old-fashioned bug, creating your own dashes, or you can use it as a straight key by either keying sideways or turning the keyer on its side.

The audio switch disconnects the audio oscillator circuit and saves on battery drain if your transmitter has a monitor tone.

Refer to SSK-1 Instructions for practice instructions and guide to good operating techniques.

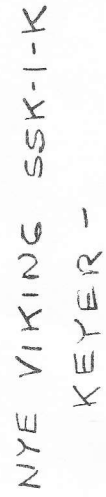
Specifications

Dimensions: 13 cm wide, 6 cm high, 19 cm long,
including paddles.

Weight: 1.2 kilograms.

Shipping weight: 3 lbs.

ALL RESISTORS $\frac{1}{4}$ W
ALL CAPACITORS IN MED.



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SSK - 1 SQUEEZE KEY

Your new Nye Viking Squeeze Key is designed to give many years of trouble free use and requires practically no care. The "knife edge" bearings allow free movement of the keying paddles without further adjustment. The tension adjusting spring maintains the paddles against the bearing edge and the back stop. If the tension spring is adjusted for "feather touch" there is some tendency for the paddle to "float" up or down on the bearings - this in no way effects the operation of the key.

Wire the dot generator to the left hand contact assembly and the dash generator to the right hand set. Left handed people connect the keyer so that the right hand paddle produces dots and the left hand paddle dashes.

To adjust spring tension remove the dust cover and loosen the 6-32 lock nut on the side of the dash paddle with a $\frac{1}{4}$ " nut driver and adjust the screw to suit -- tighten lock nut when complete.

To adjust the contact spacing or paddle travel loosen the two contact bracket mounting screws and adjust contact spacing to suit.

Caution: Never attempt to clean the contacts with anything other than a very soft tissue - the gold plating is 24 carat and very soft. It would be destroyed by any abrasive.

For best results, your squeeze key should be securely mounted to your operating table. To mount the key use #8 sheet metal type screws or #8 pan head machine screws. It will be necessary to remove one of the screws holding the contact assembly and turn the contact assembly aside -- secure the key base and readjust the contact assemblies.

Some tips on using your new Nye Viking Squeeze Key:

Although your Nye Viking Squeeze Key can be used with any electronic keyer one that provides true iambic keying will give you the most enjoyment. Iambic keying simplifies the sending of Morse Code considerably over old fashioned "bugs" and single paddle electronic keys. Many letters are formed with a single squeeze such as "C"'s and "K"'s. These should be practiced until perfect.

Start off by adjusting the speed control to the letter speed you intend to use even though it may take a little practice before your word speed catches up.

Practice sending "C" by pressing the dash paddle first then the dot paddle holding both paddles closed until the "C" is completed then release the dash paddle first and then releasing the dot paddle.

Practice "F" by closing the dot paddle and then the dash paddle on the second dot momentarily, then release the dot paddle during the last dot.

Practice "K" the same as "C" except release the dot paddle first.

"L" is transmitted the same as "F" except the dash is inserted after the first dot.

"Q" and "Y" are easy squeeze key characters and are sent by closing the dash key and touching the dot key momentarily at the right moment.

"R" is sent by closing the dot paddle first then touching the dash paddle and then releasing the dot paddle.

Keep the dust cover in place to reduce contact fouling.