

TP-1 ELECTRONIC IAMBIC CW TOUCH PADDLE OPERATING TIPS & ELECTRICAL SPECIFICATIONS

The TP-1 electronic CW touch paddle utilizes a modern self-calibrating touch sensor integrated circuit for touch detection. Self-calibration occurs quickly when power is applied and is completed in about 200 ms. For proper calibration, it is important that the paddles not be touched when connecting power. If the paddle ever shows erratic or improper operation, simply “reboot” by disconnecting and reconnecting power.

Many operators are accustomed to touching only the edges of mechanical paddles. That technique will not work with touch paddles which require finger contact on the flat sides of each paddle. TP-1 paddles are rather sensitive to touch so one must also develop a habit of moving fingers away from the paddles after touching to avoid accidental activation. Most operators can learn the proper technique in a short period of time. If you have difficulty sending at first, don't give up. Keep practicing and proper sending habits will soon become second nature. It will then become a pleasure to use a touch paddle.

Units are shipped configured for right hand operation with the paddle head mounted left of center on the base plate. To reconfigure for left hand operators, simply remove the two bottom screws (#2 Phillips) and remount the head over the other set of holes. If reversal of the left-right (dit-dah) electrical outputs is desired, the paddle PC boards can be reversed on the center column.

Some range of sensitivity adjustment is available with the small potentiometer mounted on each paddle circuit board. Remove the top cover to gain access. Recalibrate after each adjustment (disconnect and reconnect power) before evaluating paddle performance. Generally adjustment is not necessary.

ELECTRICAL SPECIFICATIONS

Power requirements: 8 – 24 VDC, 40 mA maximum

Power connector: 5.5 x 2.1 mm jack

Output switching: opto-isolated, positive voltage only, 80 V maximum, 10 mA

Output connector: 3.5 mm stereo jack, left paddle tip, right paddle ring