

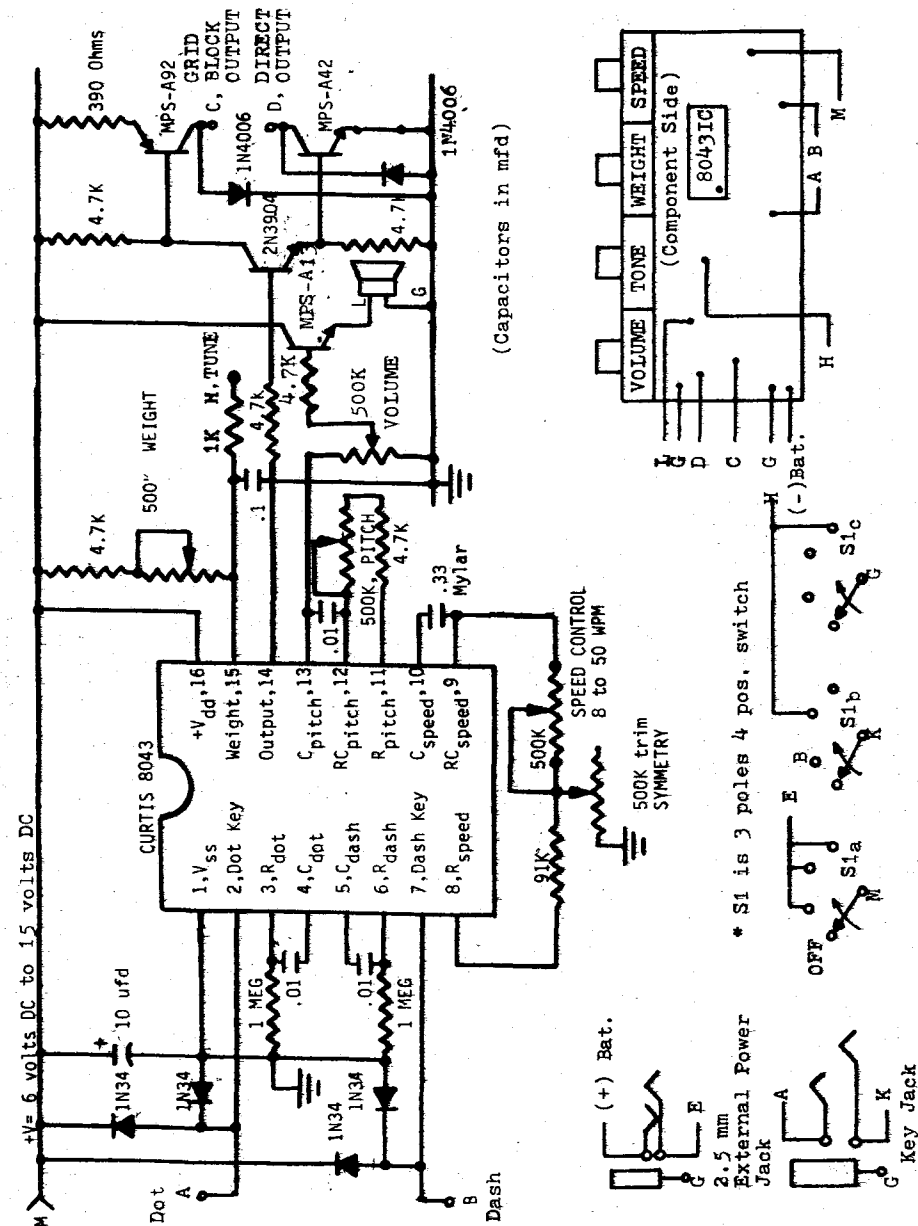
MFJ-8043 IC DELUXE ELECTRONIC KEYSER OPERATIONAL HINTS

Thank you very much for your purchase of the new MFJ-8043 IC Deluxe Electronic Keyer.

This new MFJ-8043 IC keyer uses the most advanced IC, Curtis 8043, ever developed strictly for ham use. The MFJ-8043 IC is a highly sophisticated keyer having advanced electronic features, surpassing ANY other keyers in this price range.

The following are some operational hints that you may find useful.

1. Remove the two screws near the rear top. Slide the cover toward the rear and remove the cover. Install 4 "C" cell batteries in the holder. Observe proper polarity. You may also use a 6 VDC or up to 15 VDC battery eliminator. Use an eliminator with a 2.5 mm plug. When external power is used the battery is automatically disconnected. Note that the tip of the plug is positive.
2. A new reliable solid state keying circuit allows keying of all grid block, cathode, and solid state transmitters. For grid block keying use the "Grid Block" keying output. For cathode keyed and solid state transmitters use the "Direct" keying output. The "Grid Block" output keys a maximum negative voltage of 300 volts to ground at 10 ma. The "Direct" output keys a maximum positive voltage of 300 volts to ground at a maximum current of 200 ma.
3. The four position function switch on the front panel: The "TUNE" position keys your transmitter for tuning. The "OFF" position removes power from the keyer. The "ON" position is the normal operation. The "SEMI-AUTO" position allows semi-automatic "bug" and manual operations. It provides automatic dots and manual dashes. The keyer is completely manual if a straight key is used.
4. The Speed control allows 8 to 50 words per minute adjustment of code speed. Minimum speed is completely counter clockwise.
5. The Weight control allows lengthening of the dots and dashes for more CW punch and gives your signal a characteristic sound. Do not use too much weight at high speed. If a continuous tone is heard when on "ON", this means that too much weight is used for that speed. The Weight control or Speed control must be reduced.
6. The Tone and Volume controls can be adjusted for most pleasing tone and volume. Turn the Volume control completely counter clockwise to eliminate the sidetone.
7. For fully automatic operation, set the function to "ON". A squeeze or single lever key can be used. We recommend the MFJ squeeze key. Squeeze key allows IAMBIC operation. Use a standard quarter inch stereo phone plug and a three-conductor cable. The dot wire should connect to the ring of the plug, the dash wire to the tip and the third wire to ground. The dot insertion feature allows you to hold the dash side in and tap the dot side to insert a dot (without releasing the dash side).
8. For semi-automatic "bug" or manual operation, set the function switch to "SEMI-AUTO". A squeeze or single lever key can be used. The keyer will generate dots automatically and dashes manually. Use a standard quarter inch stereo phone plug and connect the three conductor cable as in step 6. When a straight key is used the MFJ-8043 IC becomes a manual keyer. It will safely key your transmitter and eliminate the shock hazard of high voltage being present on the straight key. Again a standard quarter inch stereo phone plug should be used. Connect one wire to the tip of the plug and another wire to ground. The ring of the plug should not be used.



MFJ-8043 IC DELUXE ELECTRONIC KEYSER CIRCUIT DIAGRAM