

# FTM-100 Power Adjustment

*How to check your firmware and DSP version and how to update them*

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1. Connect an accurate, appropriate RF power meter to the radio.
2. Connect a good quality 50 ohm resistive load of sufficient rating to the RF power meter. (Most meters are not accurate when measuring power into a non-resistive load such as an antenna.)
3. Connect the radio to a 13.8V DC power source of sufficient capacity.
4. Set the radio so that the desired frequency is showing (as opposed to voltage or the clock). Note, the two bands have separate adjustments. Pick a frequency that is close to most of the frequencies you will be transmitting on. The power output may be different at other frequencies that are not near the calibration frequency.
5. Turn the radio off.
6. Hold down the A/B and GM buttons and turn the power on. (There will be no difference in the appearance of the radio from a normal power-up.)
7. Lock the radio by momentarily pressing the power button. (Do not hold it down as you do when turning the power on and off.)
8. Enter 048048 on the microphone keypad.
9. The radio should reboot into "alignment mode."
10. Unlock the radio by momentarily pressing the power button. (Do not hold it down as you do when turning the power on and off.)
11. CAUTION: DO NOT MAKE ANY OTHER ADJUSTMENTS OTHER THAN THOSE LISTED BELOW. CHANGES ARE MADE IMMEDIATELY AND IT IS NOT POSSIBLE TO REVERT BACK TO THE ORIGINAL SETTINGS!
12. Use the microphone P1 key to scroll to menu item "2 PWR."
13. Set the radio to the desired
14. Use the TXPO key to select the power level setting you wish to change.
15. Write down the factory values! YOU CAN ONLY RETURN TO THESE VALUES IF YOU SET THEM! THERE IS NO RETURN TO FACTORY DEFAULT!!!
16. Monitor the power output. Key the PPT and adjust the DIAL knob to the desired power output level.
17. Repeat from Step #12, if necessary.
18. Turn the radio off.
19. Turn it back on and the new power settings should be in effect.

## Revision History

Rev	Date	Change
1	2017-02-27	Initial Release

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