

## Basic Set-up and Operating Procedures For the FT-450D Transceiver

- 1) Unpack the cases and set the equipment on a stable operating surface.
- 2) If desired, rotate the two front feet on the underside of the FT-450D for a slight tilt.
- 3) Connect the MFJ P/S to a source of 115vac and verify that its output is set to 13.8vdc.
- 4) Turn off the MFJ P/S and connect the power cable to the Power Pole connector on the rear of the MFJ P/S and to the DC Input Connector on the rear of the FT-450D as shown below.
- 5) Connect the coax jumper cable between the ANT connector on the rear of the FT-450D and the TR (Input) connector of the Daiwa CN-501H SWR/PWR meter.
- 6) Connect the coax cable from the antenna to the ANT (Output) connector of the Daiwa SWR/PWR meter.
- 7) If using headphones, insert the plug into the Headphone jack on the front panel.
- 8) Turn on the MFJ P/S and press the FT-450D ON/OFF button for 1 second.
- 9) Rotate the **SQL/RF GAIN** control fully CW and rotate the **AF GAIN** control for a comfortable listening level.
- 10) Press the **BAND V** (down) and **BAND A** (up) to reach the desired Band.  
Note: To operate 60 Meters, press the **V/M/MW** button once; rotate the **DSP/SEL** knob to select the desired channel (US5-001 through US5-005).
- 11) Rotate the **MAIN DIAL** to reach a clear frequency.
- 12) Press the **MODE** switch to select the desired operating mode.
- 13) Press and hold the **TUNE** button for 1 second; wait for the internal tuner to finish.  
**Note: if the indicated SWR is higher than 2:1, adjust antenna to correct.**
- 14) To utilize the FT-450D DSP functions (Contour, Notch, DNR, Width, or Shift):
  - a. Press the **DSP** button to highlight the desired function (as indicated by ">" symbol).
  - b. Press the **DSP/SEL** knob to turn the function on or off.
  - c. When selected and on, rotate the **DSP/SEL** knob to change the function's parameters.
- 15) To tune the receive frequency without changing the transmit frequency, press the **CLAR** button and rotate the main tuning dial.
- 16) To change the speed of frequency tuning, press the **FAST** button.
- 17) To utilize the Menu System to customize various aspects of the FT-450D performance, refer to the Operation Manual

