Controller general information on using Create/Modify

These steps should be taken before Create/Modify is used whether

you are using the Original Controller or the SDA-100

Use either the Normal or Ham mode depending on the controller

1. Retract the elements
2. Perform a Calibrate with the elements retracted. This ensures the elements are truly retracted and the tapes are in sync with the controller.
3. Select the band to be modified.
4. Push SETUP or MODE button.
5. Use the BAND or UP DOWN buttons to step to FACTORT DEFAULT
6. Push the SELECT button.
7. It will ask CURRENT FREQUENCY YES NO. NO will be flashing. Use the BAND or UP DOWN buttons to make YES flash and then press SELECT. The readout will say COMPLETE. Press SETUP or MODE , this will take you back to the NORMAL or HAM manual mode.

Using the SDA-100

1. Press SETUP again and use the BAND buttons to step through the menu to CREATE MODIFY and press the SELECT button. The readout will read D2 D1 DVR REF DONE . DONE will be flashing.
2. Use the BAND buttons to step over to DVR and press SELECT.
3. Apply some RF power, or use an antenna analyzer, on the default frequency to get a good SWR indication
4. Use the BAND buttons to adjust the DVR length, either longer or shorter, to reduce the SWR to its lowest value. This may not be to an absolute minimum of 1:1. It generally will not be.
5. Once the SWR is at its minimum value press SELECT . DVR will again be flashing. Use the BAND buttons to step over to DONE .
6. Press the SELECT button. The readout will ask SAVE ? YES NO . NO will be flashing. Use the BAND buttons to make YES flash and press SELECT . Readout will say SAVED .
7. Press the SETUP button and this will take you back to the NORMAL manual mode.
8. If necessary you can repeat this procedure in the 180-degree and BI-directional mode for Yagi antennas or the ¾ mode for BigIR Verticals. These are separate antennas and do not interact with the normal mode.