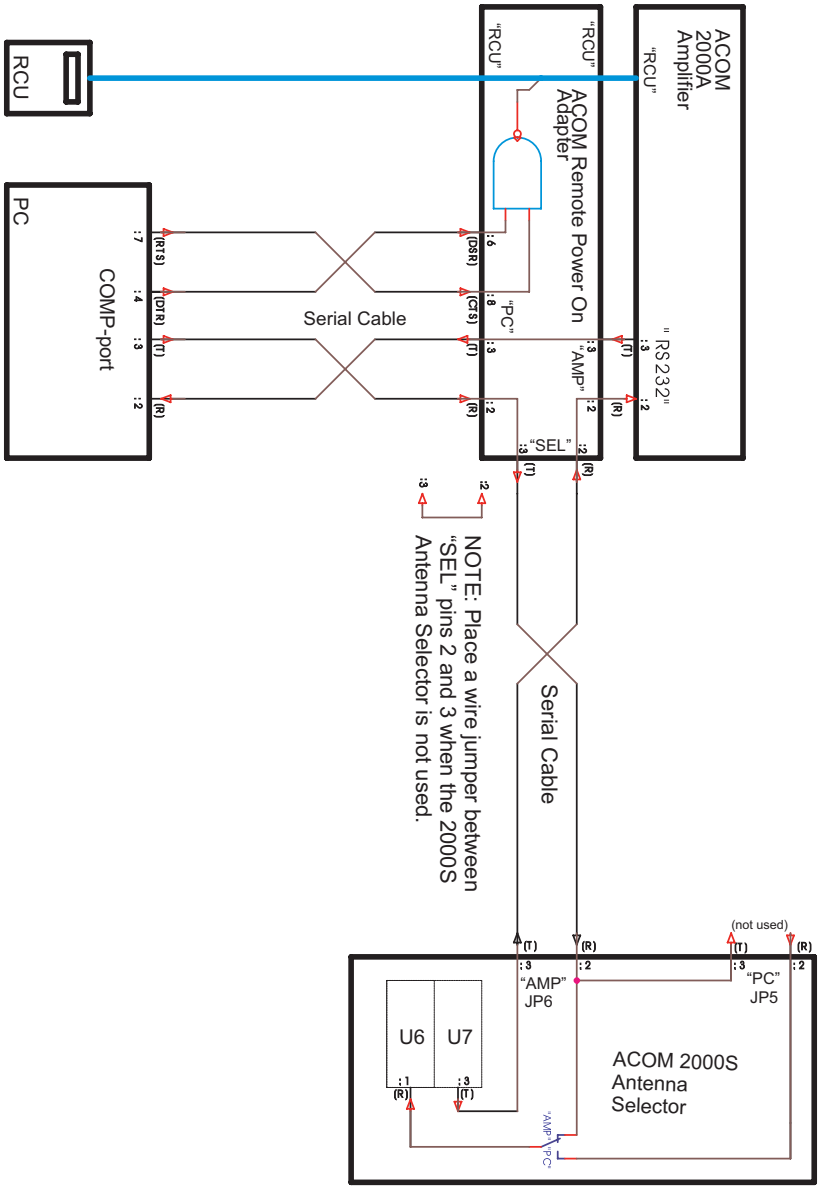

REMOTE POWER ON of ACOM2000A from a PC

1. The "Remote Power ON" adapter (look at the schematic diagram in fig.1 below) should be connected to both DB-9 connectors located on the amplifier rear panel. The RCU and the null-modem serial cable from the PC serial port COM1 (or COM2) should be connected through the respective adapter connectors to the amplifier.

2. The adapter should provide grounding of contact #5 on the RCU connector only when both DTR and RTS signals on the PC serial port are turned ON simultaneously (i.e. when contacts #6 and #8 on the adapter RS232 side become both "+12V". It should be turned OFF always when either signal is OFF (-12V).

The adapter should let through all the RCU signals between both RCU connectors. Also, it should let through the contacts #2, #3, and #5 between both RS-232 connectors.

3. The null-modem cable should provide the following cross-connections between its DB-9 female connectors:

1 no connection!
2 - 3
3 - 2
4 - 6
5 - 5
6 - 4
7 - 8
8 - 7
9 no connection!

The cable shield should connect to the connector metal shells on both sides.

Please note that contacts #1 and #9 must be free (not connected) on both sides!

4. The main power switch on the amplifier front panel should be permanently turned ON (the red strip on the switch should be visible) to be able to control the amplifier power on and off. The RCU will be active but without the LCD backlighting.

5. To be capable to turn ON the amplifier from the PC, first start the "ACOMTools" program and in the menu "View" check "General Options-Other-Enable amplifier power on/off feature". Now close the program and restart it in order to let the new selection taking place.

6. At each new start of the "ACOMTools" program, you can turn ON the amplifier remotely by selecting the menu "Amplifier-Connect" and one or two seconds later you should select "Amplifier/Switch on the amplifier". Now be watching the buttons "on/off" and "Comm":

a) In 10 seconds, the "on/off" should light and the "Comm" button should light in another 10 seconds. Both buttons will be lighting for about 10 more seconds, and they will go off after that. However, the amplifier will be still powered up and it will continue counting down its 150-seconds warmup period.

b) Do not give any more commands to the amplifier during the warmup period since the amplifier control might become wrong. It is best to just wait until the 150-seconds period expires.

c) At the warmup end, the amplifier will update several buttons and fields at once:

- the "on/off" and "Comm" buttons will light again;
- the "stby" button will light;
- the information window for operating frequency, antenna, and temperature will be updated to the current amplifier status.

This indicates that the amplifier is ready for new commands. You may use the "ACOMTools" functions now.

7. To turn OFF the amplifier, select "Amplifier-Switch on the amplifier", then "Amplifier-Disconnect", and close the "ACOMTools" program after that.

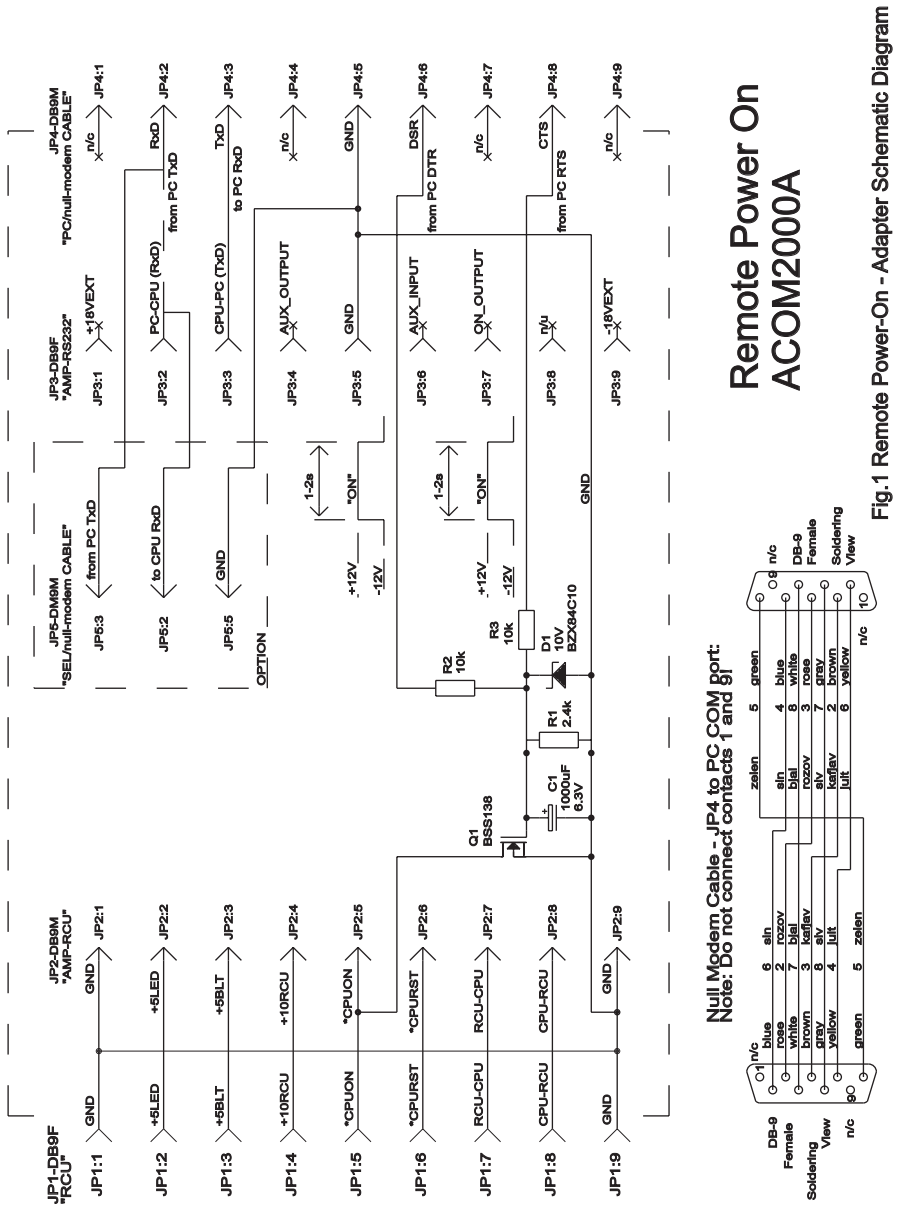

Fig.1 Remote Power-On - Adapter Schematic Diagram