

---

## 2G PowerSeries Communicator to 3G PowerSeries PCB Replacement Guide

---

These instructions must be used in conjunction with the TL2603G(R)/3G2060(R) Installation Manual. Observe all specified safety precautions during the board replacement.

**NOTE:** *The GS2060/GS2060-SM/TL260GS/TL2603G(R)/3G2060(R) PCB must be replaced by service persons only.*

1. Disconnect power (AC and battery) and telephone lines from the PowerSeries control panel.
2. Disconnect wiring connections to the other terminals.
3. Remove the white whip antennae from the antenna connection point at the top right of the cabinet by turning counter-clockwise. Discard the antenna once removed.
4. Carefully disconnect the antenna from the GSM radio module on the *GS2060/TL260GS*. To remove the cable from the radio module, grip the top of the connector with needle nose pliers (see figures 1 and 2) then gently pull the plug loose. Make sure that the pliers do not slip off.

**NOTE:** *Any other method for removal of the antenna may cause permanent damage to the on-board connector or antenna connector cable.*



**Figure 1**

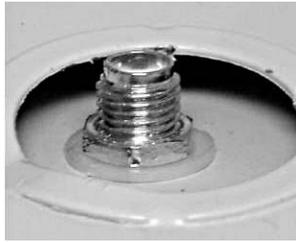


**Figure 2**

5. The *GS2060/GS2060-SM/TL260GS/TL2603G(R)/3G2060(R)* PCB is secured by plastic standoffs located at the four corners of the board. Carefully squeeze the top of each standoff to release the PCB. Needle nose pliers are recommended. If a standoff breaks, remove the mounting bracket from the cabinet and replace the broken part with a spare standoff provided with the replacement PCB.
6. Once the old PCB is removed from the cabinet, carefully remove the SIM card from the PCB. *Slide* the SIM card holder down, in the opposite direction labeled "LOCK" on the SIM card holder.
7. Insert the SIM card into the TL2603G(R)/3G2060(R) PCB. The notch on the SIM card should face towards the top left corner of the PCB. Once the card is properly seated in the connector, press down and *slide* it into the "LOCK" position as indicated on the SIM card holder.
8. Mount the TL2603G(R)/3G2060(R) PCB back onto the mounting bracket. To mount, align the standoff holes onto the standoffs and apply pressure to the corners of the PCB next to the standoff mounting hole. Do not apply pressure to the center of the PCB or any of the components.
9. Reconnect all the wiring to the terminals, except power (i.e., do not attach the battery or apply power to the +12V terminal).

**NOTE:** *Ensure that the threaded antenna connection point is visible through the knockout hole at the top right of the panel. See Figure 3.*

---



**Figure 3**

10. Using light pressure, attach the black quad band whip antenna supplied with the replacement kit to the threaded antenna connection point at the top of the panel turning clockwise until finger-tight.
11. Connect the antennae cable to the radio module using needle nose pliers to grip the connector and gently push into the radio module. Ensure the pliers do not slip off. Refer to Figure 4 and Figure 5.



**Figure 4**



**Figure 5**

12. Connect the PC link cable from panel to communicator, ensuring pin 1 (black) aligns with marking on PCB.
13. Attach the battery and apply power to the PowerSeries control panel.



**Figure 6**

The red and yellow LEDs flash indicating the unit is establishing a connection to get its programming from the network. This may take several minutes. Please refer to the TL2603G(R)/3G2060(R) Installation Manual if only the red LED flashes.