

# Section 3 Operating Instructions

### 3-1 Introduction

This section contains operating instructions for the single channel cellular amplifier system.

## 3-2 Location And Function Of Amplifier Indicators

The front panel LED is located to the right of the 20-pin Data connector and indicates the amplifier status.

- Green means the amplifier is operating properly.
- · Red indicates an alarm or off condition.

The nature of the alarm can only be determined through the software interface of the Base-Transceiver System (BTS). Please consult the BTS manual for details on monitoring amplifier status.

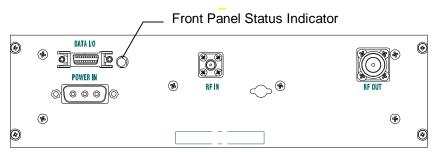


Figure 3-1 Front Panel Indicators

# 3-3 Initial Start-Up And Operating Procedures

To perform the initial start-up, proceed as follows:

1. Verify that all input and output cables are properly connected.

### **CAUTION**

Before applying power, make sure that the input and output of the amplifier are properly terminated at 50 ohms. Do not operate the amplifier without a load attached. Refer to table 1-1 for input power requirements. Excessive input power may damage the amplifier

#### NOTE

The output coaxial cable between the amplifier and the antenna must be 50 ohm coaxial cable. Use of any other cable will distort the output.

- 2. Turn on supply that provides -48 Vdc to the amplifier system. Do not apply an RF signal to the amplifier system
- 3. Verify that the LED is lit and the color Green.
- Turn on external exciter/transceiver and apply RF input signals. Adjust the input power to achieve the desired output power. Refer to the BTS manual for instructions on performing this step.