The DoorKing Wireless Test Range Kit allows easy testing of a wireless signal between a DKS telephone entry system location (Models 1833, 1835, 1837 and 1838) and DKS access control device locations such as a card readers, keypads, etc. in their desired positions BEFORE they are installed, making sure the DKS entry systems have a good signal to communicate successfully in their desired positions.

The test kit units can also be used to measure the wireless signal between a new access control device to be installed with an existing telephone entry system that has already been installed.

**Switch Antenna Setting**
Set switch to the LEFT for the Long Range antenna. Up to 1000 ft.  
Set switch to the RIGHT for the Disc antenna. Up to 200 ft.

**SW 1 Switch Setting**
Set switch to the LEFT to act like the BASE unit.  
Set switch to the RIGHT to act like the REMOTE unit.

**RX and TX LEDs**
RX (Blue) - lights up when signal is received.  
TX (Green) - lights up when signal is transmitted.  
Note: TX LED will flash transmitting a signal when set as a BASE unit.

**Display Screen**
When power is first turned on, battery level will be displayed for a few seconds in volts. Red BATTERY LED will light up when battery level is getting low.  
Note: Keep power turned OFF when unit is not in use to conserve battery life.  
Signal strength will be displayed for 2 seconds every time a signal is received from board being tested.  
80 or less is GOOD (target 74-76 or lower)  
81-85 is QUESTIONABLE  
86-99 is UNRELIABLE

**CHANNEL and NET ID Settings**
IMPORTANT: Set CHANNEL and NET ID to same settings on test units.  
Cycle power to unit after settings have been changed on each test unit.

**Test Units Start-Up**
1. Set one test unit SW 1 switch to BASE and the other to REMOTE.  
2. Choose antenna switch setting for each test unit - disc antenna or long range antenna.  
3. IMPORTANT: Set CHANNEL and NET ID to same settings as the DKS system being tested for each test unit.  
4. Cycle power to test units after settings have been changed.  
5. Turn Power ON units.  
6. Signal strength will be displayed on screens. Move test units around if necessary to achieve LED display of less than 79 (Optimal).

**TEST SIGNAL Note:** DO NOT power up any other wireless devices on the SAME Channel or NET ID that is not being tested or LED display signal may NOT be accurate.

**Long Range Antenna Note:** Locate antenna 12-15ft above ground to prevent vehicles (trucks, buses etc.) from interfering with wireless signal.