RUT850 Connection Status LEDs

This chapter is an explanation of LED indications on a RUT850 router.

LED Indications

Explanation of connection status LED indication

Action	Description
Signal strength status LED's constant blinking every 500 ms	Router is turning on
Wi-Fi LED turned ON/OFF	Wi-Fi Enabled/Disabled;
2G, 3G and 4G LEDs constant blinking every 1 sec	No SIM or bad PIN
One of 2G, 3G or 4G LEDs blinking every 1 sec	Connected to 2G, 3G or 4G respectively but no data session established
Blinking from 2G LED to 4G LED repeatedly	SIM holder not inserted
One of 2G, 3G or 4G LEDs turned on	Connected to 2G, 3G or 4G respectively with data session
One of 2G, 3G or 4G LEDs blinking rapidly	Connected to 2G, 3G or 4G respectively with data session and data is being transferred

Signal Strength LEDs

Each lit up LED represents a different value of the router's current signal strength in RSSI:

NO. OF LIT UP LEDs	SIGNAL STRENGTH VALUE
0	≤ -111 dBm
1	-110 dBm to -97 dBm
2	-96 dBm to -82 dBm
3	-81 dBm to -67 dBm
4	-66 dBm to -52 dBm
5	≥ -51 dBm

The signal strength LEDs can also be used as a **time indicator for holding the reset button**. When you press and hold the reset button, if there is a User's default configuration configured on the device, you have to hold it pressed for 6 seconds (by default) to initiate a **User's default configuration reset** and 12 seconds (by default) to initiate a **Factory reset**. Otherwise, it is only necessary to hold the reset button for 6 seconds to trigger a **Factory reset**. If the button was held down longer than 20 seconds (by default) no action will be taken.

While holding the reset button each lit up signal strength LED indicate that a period of two seconds has passed. When all 5 signal strength LEDs are lit up, they represent that 10 (LED number multiplied by 2) seconds have passed since you pressed down on the reset button.

After releasing the button at one of the reset periods, all 5 LEDs will start blinking every 1 second. This signifies that the router **has begun the reset**.