RUT950 Connection status LEDs

This chapter is an explanation of LED indications on a RUT950 router.

LED Indications

ACTION	DESCRIPTION
Constant blinking (~ 2Hz)	Router is turning on
LED turned OFF	The router has no 4G data connection
LED turned ON	The router has 4G data connection
EXPLANATION OF CONNECTION LED INDICATIONS	
Green and red blinking alternatively ever 500 ms	No SIM or bad PIN
Green, red and yellow blinking alternatively every 500 ms	Connecting to GSM
Red blinking every 1 sec	Connected 2G, but no data session established
Yellow blinking every 1 sec	Connected 3G, no data session established
Green blinking every 1 sec	Connected 4G, no data session established
Red lit and blinking rapidly while data is being transferred	Connected 2G with data session
Yellow lit and blinking rapidly while data is being transferred	Connected 3G with data session
Green lit and blinking rapidly while data is being transferred	Connected 4G with data session

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**.