

RUT850 LEDs

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This chapter provides explanations for **LED** actions on a RUT850 router.



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Power LED

The **power LED** is located on the left corner of the front panel, to the left of the SIM holder:



It can perform two different actions:

ACTION	DESCRIPTION
LED turned ON	Router is powered up
LED turned OFF	Router is not powered up

WiFi LED

The **WiFi LED** is located on the router's front panel, between the reset button and the connection status LEDs:



It can perform two different actions:

ACTION	DESCRIPTION
LED turned ON	WiFi is enabled
LED turned OFF	WiFi is disabled

Connection status LEDs

The **connection status LEDs** are located near the right corner of the front panel, to the left of the signal strength indication LEDs:



The LEDs display the router's current connection state and network type among a few other things:

ACTION	DESCRIPTION
2G, 3G and 4G LEDs blinking every 1 sec	No SIM or bad PIN
Repeated blinking from 2G LED to 4G LED	SIM holder not inserted
2G LED blinking every 1 sec	Connected 2G, no data session established
3G LED blinking every 1 sec	Connected 3G, no data session established
4G LED blinking every 1 sec	Connected 4G, no data session established
2G LED turned ON	Connected 2G with data session
3G LED turned ON	Connected 3G with data session
4G LED turned ON	Connected 4G with data session
2G LED blinking rapidly	Connected 2G with data session and data is being transferred
3G LED blinking rapidly	Connected 3G with data session and data is being transferred
4G LED blinking rapidly	Connected 4G with data session and data is being transferred

Signal strength LEDs

The **signal strength LEDs** are located on the right corner of the front panel, to the right of the connection status 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**.