

Quick Guide to EN-2000™ LED Codes

Verizon Wireless has certified the EN-2000™ for use in its 4G LTE networks.



LED Label	Alarm	LED State	Indication	Details	Resolution
NET STATUS		On, steady	On line over Ethernet WAN	Private IP or Internet is accessible over the Ethernet broadband connection.	
		Flashing	On line over cellular interface	Private IP or Internet is accessible over the cellular connection.	
	•	Off	Off line: No Internet or private IP connection		Check the domain name system (DNS); review the routing configuration; confer with the carrier network's representative.
CELL		Pattern of flashes followed by a pause of steady on	Normal behavior: Has IP address; number of flashes indicates signal strength.	Successfully registered with network carrier. 5 flashes indicate a strong signal; 1 flash indicates a weak signal.	
		Pattern of flashes followed by a pause of off	Has signal strength but no IP address.	Not registered with network carrier. 5 flashes indicate a strong signal; 1 flash indicates a weak signal.	If the pattern continues more than 10 minutes with power on, the account may not be active. Check with your cellular network carrier.
	•	On, steady	Weakest signal	Successfully registered with network carrier	Make sure the EN-2000's antennas are in an area that receives a stronger signal, with at least one flash.
	•	Continuous fast flash (no pauses)	SIM problem: Mismatch or defective	The SIM is defective, or another carrier's SIM might have been installed.	Check the SIM; it must be a valid Verizon 4G LTE SIM.
	•	Off	No signal	The SIM is not present, or the antennas are not connected or are out of the Verizon 4G LTE coverage area.	If the SIM is not present or is loose, insert a valid Verizon 4G LTE SIM, and power cycle the EN-2000. If a valid SIM is present, check the antenna connections and make sure they are positioned in the coverage area.
ACTIVITY		Flashing	Normal LAN or WAN connection and activity		
		On, steady	The LAN or WAN is connected but there is no activity.		
	•	Off	There is a problem with the LAN or WAN connection.		Check the EN-2000's LAN and WAN cables, or check the connections on the other end.
SYS STATUS		On, regular occasional blip	The system's health is good.		
	•	On, flashing fast	Hardware alarm	Software configuration mismatch with hardware configuration	Restore the last known good configuration, or press the reset button to restore the factory default configuration.
	•	On, flashing slow	Hardware alarm	Cell module not detected or not present	Return the EN-2000 to the distributor or vendor for repair.
	•	On steady for more than 20 seconds without a blip	The system has locked up or is busy.		Wait for one minute. If the blip does not occur, then power cycle the EN-2000 router.
	•	Off	The system has locked up.		Power cycle the EN-2000 router.
POWER		On, steady	The router is receiving power.		
	•	Off	The router is not receiving power.		Check the power connection; it must provide 12 volts DC input.