

How to configure LTE PCI lock on BEC 4G/LTE router

Summary

This article shows how to lock BEC 4G/LTE router to one Physical Layer Cell Identity (PCI) on one EARFCN. This feature can prevent the device from bouncing around on two cell towers.

Configuration

Step 1: Log into router's Web GUI page.

Step 2: Click on the **Configuration / Interface Setup / Internet**

Note: Make sure the WAN Interface is on 4G/LTE

The screenshot shows the 'Configuration' page in the router's Web GUI. The left sidebar has a menu with 'Configuration' selected, and 'Interface Setup' expanded to show 'Internet'. The main content area is titled 'Configuration' and shows the 'Internet' settings. The 'WAN Interface' is set to '4G/LTE -1' (indicated by a red arrow). The 'Status' is 'Activated'. 'Usage Allowance' is 'Enable'. 'LTE PCI Lock' is 'Disabled' (indicated by a red arrow). 'Network Mode' is 'LTE Only'. 'LTE Band' is 'Auto'. 'PLMN Selection' has fields for 'Operator Numeric', 'RAT', and 'Scan'. 'TEL No.' is '*99***1#'. 'Dual APN' is 'Single APN'.

Step 3: Click LTE PCI Lock

The screenshot shows the 'Configuration' page in the router's Web GUI, specifically the 'PCI Lock' section. The 'Parameters' section has 'LTE PCI Lock' checked (Enable), 'Earfcn' set to '0', and 'Physical Cell ID' set to '0'. There are 'Save & Reboot' and 'Return' buttons at the bottom.

Step 4: Click Enable to enable LTE PCI Lock and enter the Earfcn and Physical Cell ID.

Step 5: Click Save & Reboot to save the setting.

Note: After device reboot, the device should only lock on the PCI that you have entered.