



ZOOM

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WiMAX BreezeMAX Si CPE Trouble-shooting Guide



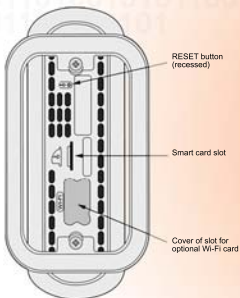
Scan Button Functionality

- Press for less than 3 seconds to initiate Best AU selection process without full scanning. It means that the CPE scans only the AU detected in the last full scan. The LEDs will be blinking as described in the LEDs Functionality table below for Best AU operation.
- Press for 3 seconds or more to initiate full scan prepare an updated the best AU list and select the best AU. The LEDs will be blinking as described in the LEDs Functionality table below for full scan operation.

Reset Button Functionality

The RESET button is located on the bottom side of the unit.

- Press the recessed RESET button briefly (for less than 5 seconds) to reset the unit and restart the network entry process. The unit will try for 60 seconds to connect to the last used AU. If not found, it will try the next AU in the best AU list. The same behavior shall be implemented for power-up.
- Press the RESET button for 5 seconds and more to load the factory defaults and reset the unit after 6 seconds to perform full scan with factory defaults. If the Installation Utility application is connected the user will be requested to confirm the operation.



Functionality Table

Name	Description	Functionality
STATUS	Status Indication	<ul style="list-style-type: none">• Off - CPE is not powered or power failure• Green - CPE is connected with a base station• Red - CPE failure• Orange - After power-up (if power supply is ok) until start of self test, after passing self-test until network entry is completed, or upon restarting the network entry process.• Blinking Orange - CPE is being set to Factory Defaults (during 6 seconds after pressing the RESET button for more than 5 seconds).• Blinking Green:<ul style="list-style-type: none">If SIGNAL LEDs 5, 6 and 7 are on: Authentication reject by RADIUS server.If SIGNAL LEDs 6 and 7 are on: Rejected by Base Station Duplicate SU Name in database.If LED 7 is on: Authentication Timeout, re-authentication failure (connection to RADIUS server lost).
SIGNAL	Link Quality Indication	<ul style="list-style-type: none">• LEDs 1 – 7: The higher the number of LEDs that are on, the better the received signal• LEDs 1 - 7 Blinking simultaneously ((300ms on, 300ms off): RSSI = -20 dBm (saturation)• LEDs 1 - 7 Blinking one after the other (LED-1: 200ms on then off, LED-2: 200ms on then off, up to LED-7 and then LED-1 again): During full frequency scan.• LEDs 1 - 7 Blinking as follows: LED 4 lights, after 200ms LEDs 3 & 5 lights, after 200ms LEDs 2&6 lights, after 200ms LEDs 1&7 lights, after 200ms all the LEDs are extinguished and then the sequence is repeated. During Best AU selection process.