Quick Start Guide

SMART BARRIER MONITOR NODE V2.0

Magnet

1) CLAIM YOUR DEVICE
Navigate to **https://my.Viotel.co** to associate the device with your myViotel account and access device management and dashboard display.

2) MOUNT
Node: Mount the device firmly to your chosen location using a secure mounting method: Adhesive, side mounting holes and/or pole mount bracket for threaded holes. Attach the Smart Barrier Node to wire ropes using stainless steel cable ties.

Detachable Strain Band: Use a tension device to compress both the top and bottom wires on wire rope barrier. Wrap and secure the Strain band onto the compressed section. Remove the tensioning device from the barrier.

3) USING THE MAGNET
Wherever instructed to tap the node using the magnet, do so at the magnet location indicated. Sequential taps must be performed within 3 seconds to be registered together.

4) CONFIRM MODE
Tap Once
- If the device is in Sleep, a solid blue light will appear from the status LED. Proceed to step 5.
- If the device is already Active, a green light then yellow light will appear from the status LED. The device takes 10 quick readings and uploads them. Proceed to step 6.
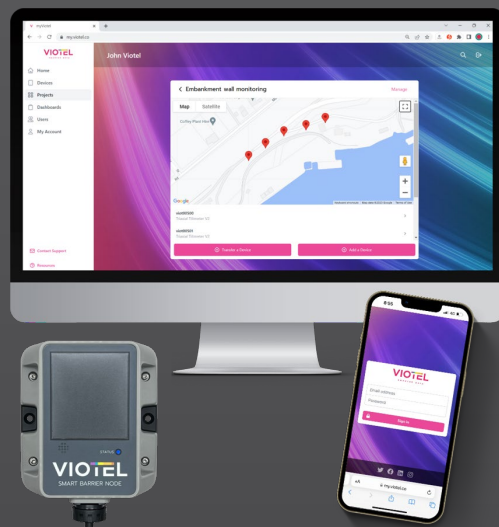
5) TOGGLE DEVICE ON
Tap Twice
- This will turn the device on followed quickly by 2 green LED flashes. The device may take several minutes to update.
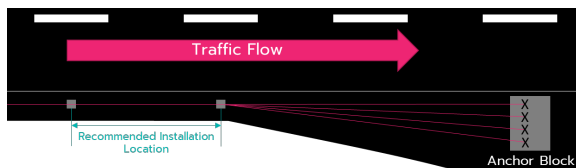
6) VIEW DATA
Please head over to your node's Dashboard to begin seeing the data.

Please refer to the User Manual for more information and a full guide on this device. For queries, email support@viotel.co

STATUS	
GREEN	On (2x blinks every 30 seconds)
BLUE	Off (Solid for 3 seconds)
RED	Device is Busy
YELLOW	Looking for GPS coordinates
BLUE	Communicating with server

Traffic Flow

Recommended Installation Location

Anchor Block

RECOMMENDED INSTALLATION LOCATION
It is highly recommended that the Viotel SMART Barrier Node be installed on the last full barrier section before the anchor block downstream of the flow of traffic. The device can efficiently detect strain and crashes along the entire length of the barrier from this position.

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SMARTER DATA

OUR RESONANCE

Resonance describes the phenomenon of increased amplitude that occurs when a an external force or a vibrating system is equal or close to a natural frequency of the system on which it acts.

Leveraging decades of experience in earthquake analysis and monitoring of mining seismicity, Viotel have a deep understanding of resonance and have developed a unique series of asset management solutions involving monitoring and analysis of vibrations and waveforms.

The Viotel Smart Barrier Node features an accelerometer and is self-contained with an internal rechargeable battery with integrated solar panel, GPS and cellular (CatM1) modem.

The Smart Barrier Node is shipped pre-programmed and integrated. Simply mount the sensor in the desired location and power on for reliable, continuous, real-time monitoring.

www.viotel.co
sales@viotel.co

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SMARTER DATA