



reSeal VP820
Set Up and Use Instructions



User Manual

reSeal/safeTstrap VP820

June 2018

VYPIN™

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General Product Use Description: The reSeal/safeTstrap, VP820 system transmits over 300 feet to mobile devices or fixed cloud based gateways. Enterprise IoT Cloud Servers process and assess the incoming data. An anomaly alert system will send out instant notification to the mobile application via text message.

Seal Operation:

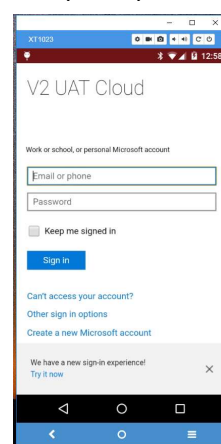
- Tag activates when attached to the trailer and latched.
- Cutting strap or disconnecting breaches circuit sending ID plus alert flag.
- Unique Lock ID is generated by the tag each time it is latched.
- Physical locking mechanism for strap discourages unauthorized removal by vandals.

Key Features:

- Realtime signals sent to OverPass network.
- Can be read by any smartphone or tablet with proper App and account.
- Automatically read at gates by Vypin Gateway.
- Show On Map feature aids in locating trailer for yard management.
- Reusable.
- Unique ID in every tag, prevents fraud.
- Cut/Detach sensors.
- Specialized detachment tool.
- Real-time seal validation at gatehouse using Vypin Software without going outside.

Getting Started - Mobile App:

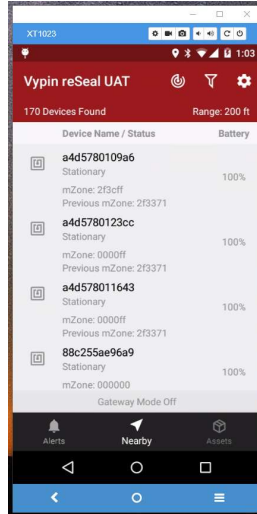
1. Users will receive their account login and Application download information from Vypin LLC.
2. Once the App is installed the user will tap the Vypin reSeal icon. The 1st time the App is opened the user will need to log in using the account information provided by the system administrator.



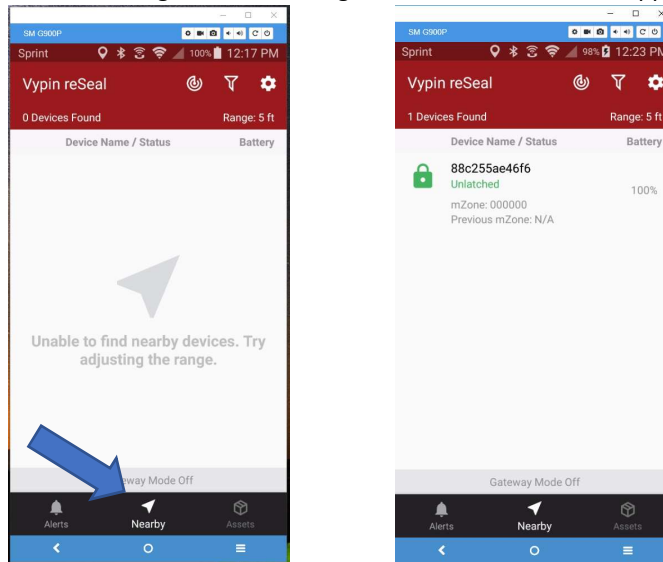


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- When the App is opened the user will see the Nearby page.



- Select Nearby icon at the lower center of the screen and latch and unlatch the reSeal Tag. This will cause the dormant tag to transmit a signal and allow the mobile App to see the Tag.

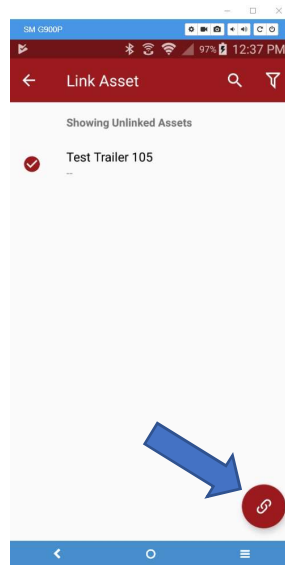


- Tap the icon for the tag and the user will be brought to the link asset page. Select the asset, created by dispatch earlier using the Web App and tap the link icon in the lower right of the screen.

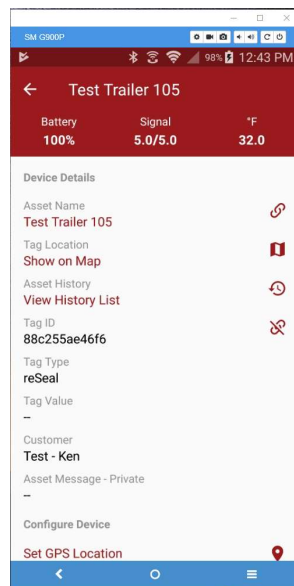
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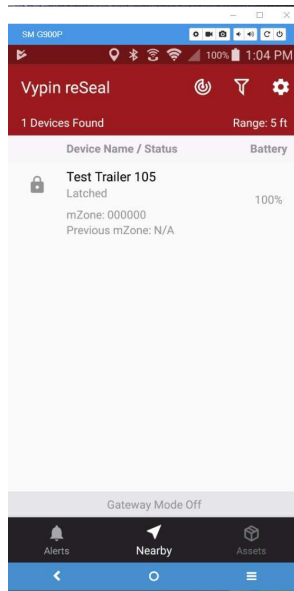
6. The next screen displayed will show the user that the tag has been linked to the load. From here the user can show the location of the load on the map, view load history, set GPS location or even unlink the tag from the load.



7. Next the user will exit the link screen and attach the device to the load and latch it. The screen will now show the tag as Latched.



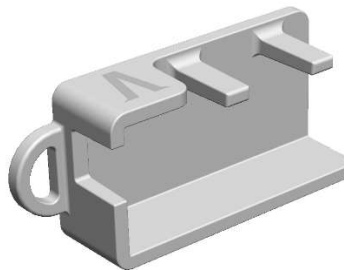
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Unlocked Tag and Removal Tool



Removal Tool Engaged for Tag Unlock



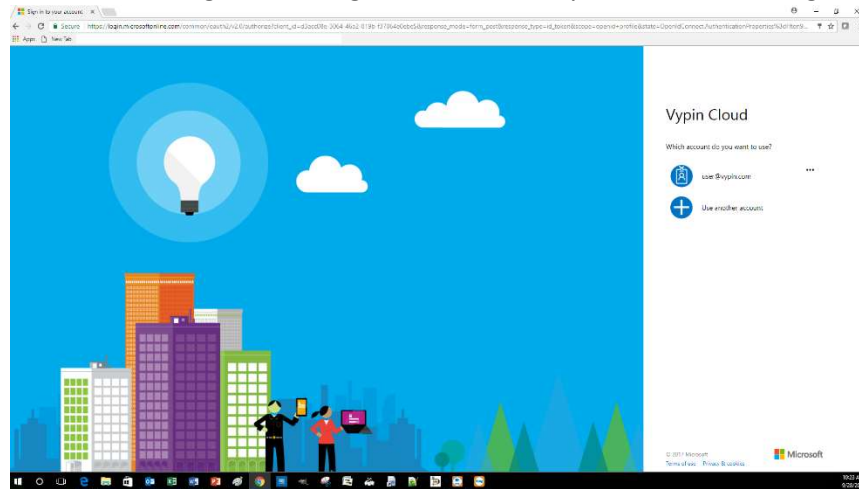
Removal Tool

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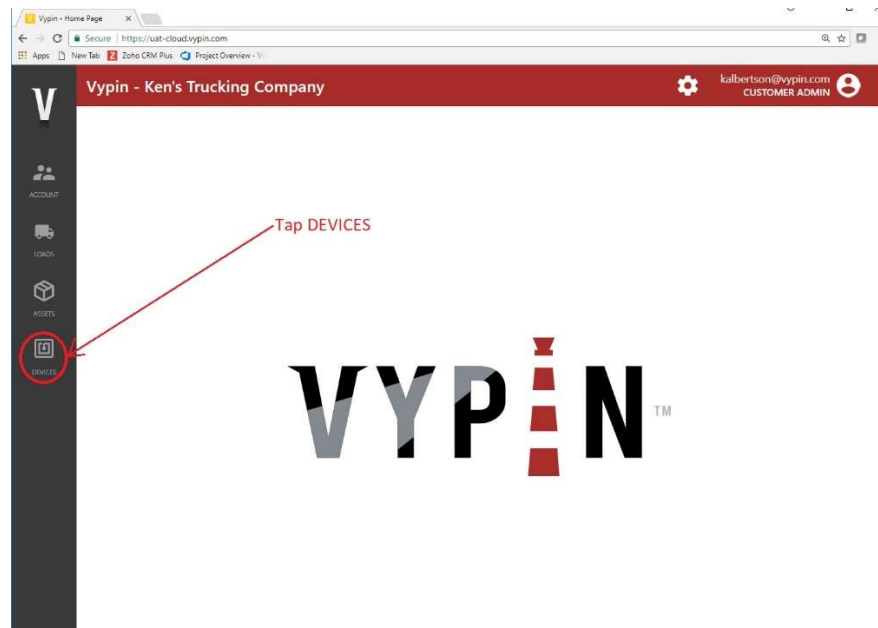
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Getting Started with the Web App:

1. Users will receive their account login from Vypin.
2. On your internet connected PC or laptop launch your browser and type: <https://cloud.vypin.com> into the address bar.
3. You will be brought to the log in screen. Select your account and log in.



4. Select DEVICES.





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5. Select Filter Devices.

The screenshot shows the Vypin web application interface. On the left sidebar, the 'Filter Devices' button is highlighted with a red box. A red arrow points from the text 'Tap Filter Devices' to this button. The main content area displays a table of tags with columns: TAG NAME, BLUETOOTH ID, ASSET NAME, BATTERY, and TEMPERATURE. The table lists 8 test tags. Below the table, it says 'Showing results 1 - 8 of 8'.

TAG NAME	BLUETOOTH ID	ASSET NAME	BATTERY	TEMPERATURE
38d269ecd578	38d269ecd578	Igor's Chill Asset d578 v64	100 %	69.96°F
Test Tag 100	38d269ed019f	Test Trailer 100	100 %	74.84°F
Test Tag 101	88c255bb1677	Test Trailer 101	100 %	76.46°F
Test Tag 102	38d269eecedf	Test Trailer 102	100 %	74.84°F
Test Tag 103	38d269ece83d	Test Trailer 103	100 %	73.04°F
Test Tag 19	38d269ecda38	Test Trailer 19	100 %	77.72°F
Test Tag 20	38d269ed0c7e	Test Trailer 20	100 %	
Test Tag 21	38d269ed0c51	Test Trailer 21	100 %	75.74°F

6. Go to the type field and click the down arrow to see the flyout and select the ReSeal type. Once selected hit the filter button.

The screenshot shows the Vypin web application interface with the 'Filter Devices' flyout menu open. The 'Type' dropdown is open, showing 'General' and 'ReSeal' options. The 'ReSeal' option is selected. The 'Filter' button is visible at the bottom of the flyout. The main content area displays the same table of tags as in the previous screenshot.

TAG NAME	BLUETOOTH ID	ASSET NAME	BATTERY
38d269ecd578	38d269ecd578	Igor's Chill Asset d578 v64	100 %
Test Tag 100	38d269ed019f	Test Trailer 100	100 %
Test Tag 101	88c255bb1677	Test Trailer 101	100 %
Test Tag 102	38d269eecedf	Test Trailer 102	100 %
Test Tag 103	38d269ece83d	Test Trailer 103	100 %
Test Tag 19	38d269ecda38	Test Trailer 19	100 %
Test Tag 20	38d269ed0c7e	Test Trailer 20	100 %
Test Tag 21	38d269ed0c51	Test Trailer 21	100 %

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- When the filter is activated the Lock ID can be observed along with the lock Status. The Lock ID should match when the tag is scanned at the load's destination. Note: the Lock ID changes each time the OverPass reSeal tag is latched.

The screenshot shows the Vypin web application interface. The top navigation bar includes the Vypin logo and user information. The main content area is divided into several sections:

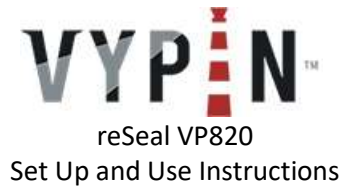
- Filter Devices:** Includes fields for 'Last Check-in From', 'Last Check-in To', 'Battery', and 'Type' (set to 'ReSeal').
- Tags:** A table showing tag details. The first row has 'TAG NAME' '88c255ae46f6' and 'BLUETOOTH ID' '88c255ae46f6'.
- Tag Summary:** Displays tag information: Bluetooth ID: 88c255ae46f6, Tag Type: AB, Asset Name: Test Trailer 105, Category: Other, Customer: Test - Ken.
- Tag status:** A table showing tag status over time.

Date/Time	Battery	RSSI	Lock ID	Lock Status
Thursday, August 10, 2017 5:59:08 PM	100%	-36	F9C250FF	Locked
Thursday, August 10, 2017 4:40:49 PM	0%			Unclear

A red circle highlights the Lock ID 'F9C250FF' in the first row of the Tag status table. A red arrow points from a text box to this circle.

This number changes each time the tag is latched

When the load arrives at its destination the tag will be read by the gateway device set up at the depot entrance and this will allow the user to validate the load seal integrity. The tag may now be removed and reused. Note: When the tag is left unlatched it will go into sleep mode after one hour to conserve battery life.



FCC ID:2ALIWVP820

IC: 23227-VP820

These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) These devices may not cause harmful interference and
- (2) These devices must accept any interference received, including interference that may cause undesired operation.

Important Notice: Changes or modifications made to these devices not expressly approved by Vypin, LLC could void the Customer's authority to operate these devices.

Industry Canada Notice to Users:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.