

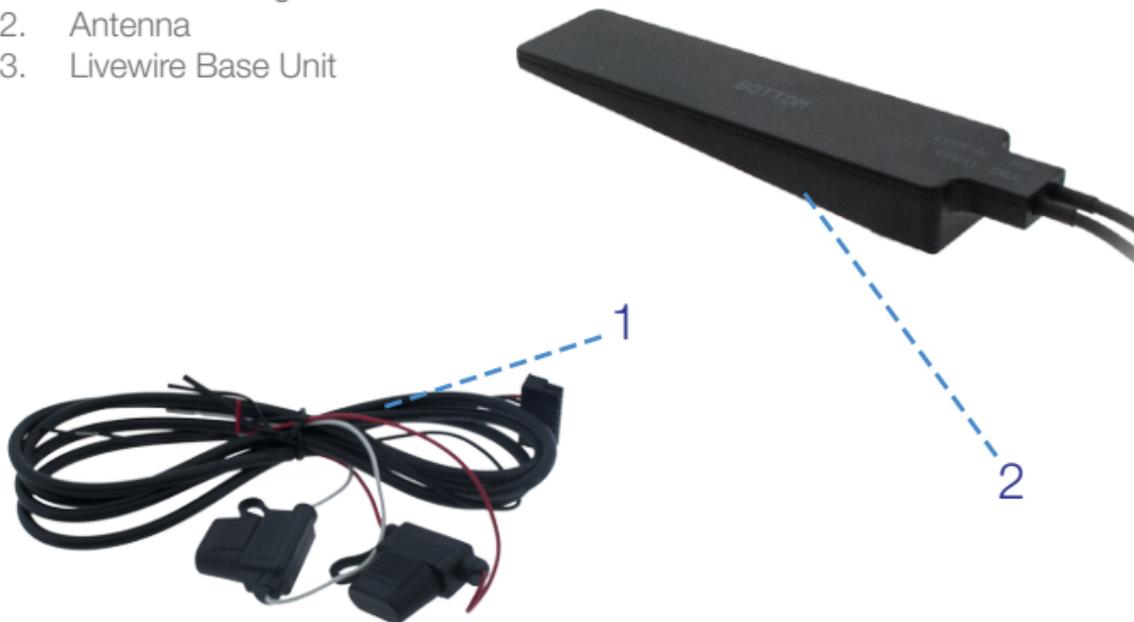
Livewire GPS Vehicle Tracker

User's Guide



What's Inside

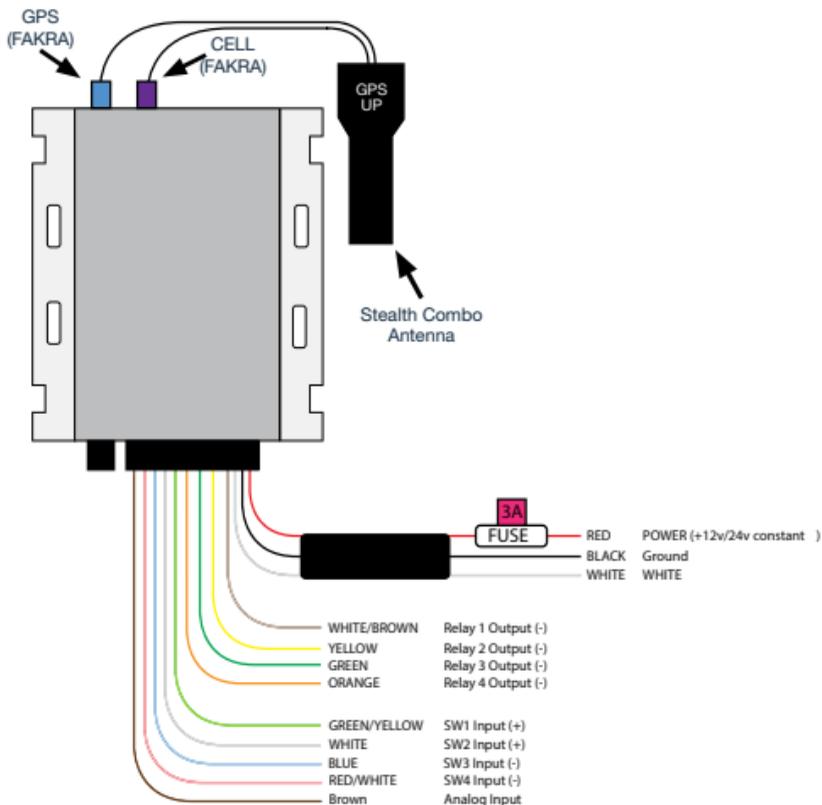
1. Harness Wiring
2. Antenna
3. Livewire Base Unit

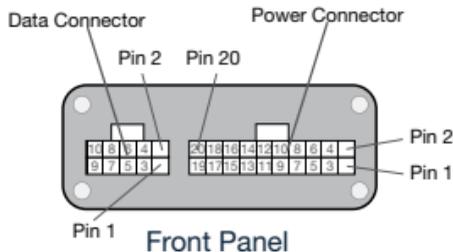


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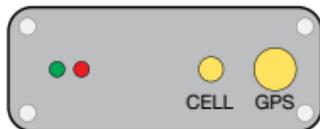


Livewire Wiring Diagram





Front Panel



Back Panel

PinD	Harness Wire Color	Description
1B	Black	GND
2	Yellow	Relay 2 output (-)
3	Green	Relay 3 output (-)
4	Orange	Relay 4 output (-)
5	Blue	Switch 3 input (-)
6		1-Wire Data
7		Not Used
8	Red (bundle)	Power input (+8 to +30v constant)
9		Backup Battery (12v/24v lead-acid type)
10	Black (bundle)	GND
11	White	Switch 2 Input (+)
12		Earphone Output (+) (option)
13	Red/White	Switch 4 input (-)
14		Microphone Input (+) (option)
15	White (bundle)	Ignition Input (+)
16	White/Brown	Relay 1 output (-)
17		GND
18	Green/ Yellow	Switch 1 input(+)
19		LED Output (+20mA max)
20	Brown	Analog Input (0-16v)

Getting Started

Your *Livewire GPS Vehicle Tracker* is usually activated within 24 hours of the item being received by you, and you should have received an email containing your default login information. If you did not receive your login information, please contact our support team at 800-654-7966 or by email at techsupport@brickhousesecurity.com.

Installation of the Livewire is similar to that of a car stereo. If you are not confident of your ability to install the device, we suggest that you contact a local car stereo/alarm installer. The Livewire is powered by your vehicle; to install the device in your vehicle, connect the wiring harness to the base unit as indicated in the diagram above. Once that's done, connect the Red wire to the vehicle's power. Connect the Black wire to Ground. Connect the White wire to the vehicle's ignition or accessory power.

The Livewire features both an internal and an external antenna for improved signal strength and easier installation. The external antenna on the device is very sensitive; install the unit in the dash of the vehicle with the top facing up with as little metallic obstruction as possible. Because of differences in

vehicle manufacturer, best placement will vary by vehicle. If signal strength seems to be weak, try repositioning the device before taking further troubleshooting steps.

The Livewire features both an internal and an external antenna for signal strength. *Both antennas are needed to ensure GPS communication.*

The external antenna is highly sensitive: install it as indicated on the antenna, with the antenna in the UP position. When installing the unit in the dash of the vehicle, place the unit with the BHS logo facing up with as little metallic obstruction above it as possible. Because of differences in vehicle manufacturer, best placement will vary by vehicle. If signal strength seems to be weak, try repositioning external antenna before taking further troubleshooting steps.

Once finished, take the car for a drive for 15-20 minutes so the device can register on the GPS network and begin reporting.

The Livewire is motion activated; it will only attempt to communicate with the platform when motion is detected, which will update the tracker's position on the map.

The *Red and Green LEDs* on the back panel of the device are intended to help you troubleshoot problems with your Livewire. When the car's ignition is first turned on, the device will power up. The Green LED will show solid for approximately 30 seconds (there may be some brief flickers initially while the processor initializes). At no other time should the Green LED remain solid for such a long period.

The *Red LED* flashes 2-digit codes to help you troubleshoot issues with your Livewire. Roughly speaking, the first digit tells you what general area is having a problem (hardware, modem, GPS, et al). The second digit gives specific error information. Since there can be more than one error condition at a time, the device rotates through the error codes (for example, both the GPS is not tracking a satellite and the modem is not registered).

Example: 3 Flashes followed by 4 Flashes would be code 3-4.

If you're having trouble with your device, be sure to check the pattern of flashing lights on your Livewire; this information will be crucial when you contact technical support.

Navigation Arrows

Change Map View

BRICKHOUSE SECURITY

Quick View

John Smith

CALENDAR

AUGUST 2015

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Date Range

DISPLAY

Breadcrumb Trail

Street View

VIEW / CHANGE DEVICE

James0012

Locate View

ALERTS

Geofence

Speed

Panic

Battery Life

REPORTS

Last Stop

Past History

Full History

Request Visits

STATUS

Battery 46%

Speed 0 mph

Reboot Device

Zoom Bar

Dashboard

Last Known Location

Tracking Your Device

To track your Livewire, open a browser window and go to <http://l.bhs.net/gps-login> or go to www.brickhousesecurity.com, hover over Login on the top and select GPS Tracking on the drop down menu. Enter your username and password, and the tracking page will appear, the device's last reported location will be centered on the map. If you have multiple devices on your account, the first 3 that were registered will be automatically selected and appear on the map. Along the bottom of your screen will be your dashboard.

Tracking information is displayed using Google Maps, so navigation is similar to what most people have grown used to in using internet-based mapping solutions. You can use the Navigation arrows and Zoom Bar to move around the map, or drag the map using your mouse and zoom using a click-wheel mouse.

At the bottom of the pop-up window are the Zoom, Street View, and Live Tracker buttons.

- **Zoom** will perform the same task as using the Zoom bar on the left side of the map; zooming in on the icon you have selected.

- *Street* View will open up a separate window displaying Google's Street View, if available.

The *BrickHouse shield icon* will appear where a tracker transmitted most recently. Click on an icon to bring up a pop-up box. This will show your tracker's name, the distance it has traveled on this trip, what direction it was moving in, speed, battery information, and start and stop locations. Start will display the beginning location of the current trip, and the time it was recorded. Stop will display the most recent location from the device, as well as the time it was reported.

The *More* tab is not currently active. Future updates to the platform will utilize this tab.

The *Alerts* tab will display current Geofence, Speed, Panic, or Motion alerts that have been triggered.

The *Video Links* tab is not currently active. Future updates will take advantage of this tab.

Unit 1001 Live Tracker - Mozilla Firefox

track.lhs.net/3/LiveTracker.aspx?unitName=Unit+1001&defaultMapMode=

Unit 1001 Live Tracker

Share This

Map Satellite

4:06 until refresh

Set Refresh Default Show Default

Live Tracker will open up a separate window displaying your device's location, as well as allow you to see past locations. Using the drop-down boxes on the bottom right of the window, you can adjust how often your screen refreshes and how many locations will appear on the screen. The counter on the bottom left of the window displays how long it will be until your screen refreshes.

Using the Dashboard



The *Calendar* allows a user to choose from which dates information can display. Any date that has tracking information will be highlighted. Simply click on that date to display information. To choose multiple days, click on the Date Range button, input a start and end date, and press Search. Press the

Current Date button to return to viewing the current day's information. When searching by date, all locates generated in the chosen timeframe will display as breadcrumbs.

Under the **Display** section you can see a list of all devices currently displaying information on the map. Click on the View/Change Device button to choose which of your devices will display on the map. This button only serves a purpose if there are multiple devices on your account.



Breadcrumb Trail will display all locates, or breadcrumbs, generated on the date you currently have displayed, connected by a line. Click on any individual breadcrumb to see detailed information. The BrickHouse shield icon represents the start and stop of a trip, green circles mean the device was moving with the arrow indicating direction, and red octagons indicate stops.

Click on the Street View button to open a Google Street View window from the most recent location of the device. This function will only work if Google Street View is available in that location.

The [Alerts](#) section lets you manage what kinds of alerts your device will create and how you will be notified.

Click the [Geofence](#) button to manage your geofences. The Geofence Alert Configuration tab lets you choose when and where alerts will be sent. Select the device you would like to edit by checking the box next to it.

- Highlight which days you would like to configure by clicking on each. You may choose to enter certain hours during which alerts will be active, or leave these fields blank to have them sent all the time.
- Choose if duplicate alerts will not be created if the device stays inside or outside a geofence for a certain period of time using the slider bar.
- Choose what icon will appear where a geofence alert was created using the Alert Image dropdown box.
- Enter Email Address allows you to choose where alert notifications will be sent. Click on the + icon to add phone numbers you want to have texted.

In the *Create New Geofence* tab you can create geofences around any area in different shapes. Navigate to the area on the map you would like to create a geofence. Click on the Circle, Polygon, or Route button. It is suggested that all geofences be in at least a .2 mile radius, or at least 1 city block around an area to allow for GPS drift.

To create a circular geofence around an area, click on Circle and then click on the spot on the map you want to create your geofence around. Hold down the left mouse button and drag the cursor until your geofence is the size you want, and release the mouse button.

The *Polygon* button allows you to create geofences in different shapes. Each point you click on will be a corner of your perimeter.

A Route geofence will be straight lines. You must choose how far a device will need to be away from the route before a report is generated.

Once you have created a geofence, assign it a name in the Geofence field and hit Save. You may also choose to enter a short description for your geofence.

The *Assign Geofence* tab allows you to activate and deactivate geofences. Select a device from the dropdown menu to see what geofences are currently active. Click on an Assigned Geofence to view and edit its configuration. Click the Remove link to deactivate a geofence. Hit Save once you have finished making changes.

Click on the check box for any Available geofence to edit its configuration and press the Save button to implement it.

The *View Geofence* tab allows you to view your geofences.

Click the *Speed* button on the dashboard to set up speed alerts. Simply select your device and enter a speed which, when exceeded, will generate an alert. Choose the days and times you would like the alert to be active, if you would like duplicate alerts to be ignored, and enter an email address where you wish to receive your notifications. If you would prefer to receive alert notifications via text message, click on the + button and enter your phone information. Hit Save once you have finished configuring your alerts.

The Livewire does not take advantage of the BrickHouse Tracking platform's Panic alert function.

The *Power Alert* button is used for GPS devices with a battery. This device is hardwired and runs on your vehicle's power, so disregard this button.

You can run four different types of reports, listed below. To run one, select a report type, choose the device on which you would like to run a report from the dropdown box, choose the dates you would like to run your report on in the upper right corner, and press the magnifying glass search icon. You can export any generated reports to Microsoft Excel by clicking on the export button in the upper right corner of the window.

Start/Stop reports will list trips between stopping points, with starting and ending locations, as well as speed information, trip duration, stop time, and the distance traveled.

The *Alert History* button will show you all alerts generated during the specified time and where they occurred.

The *Full History* button includes individual locate information such as: location, time of transmission, battery life, speed, and distance from its previous locate.

The *Frequent Visits* button will create a list of addresses that the device has reported from and show how many times the device reported from that spot.

Changing Your Password

To change your password, click on the account name, which should appear in the upper right corner of the browser window. Once complete, click on Quick View to return to your tracking page.

Support

To access FAQs, as well as other support materials for your device and the BrickHouse Security Tracking platform, click on the Help link in the upper right corner of the screen.

Live support is available [Monday through Friday between the hours of 9 am and 6 pm EST at 1-800-654-7966](#).

If you are having trouble with your device, please have access to it before calling the support team. They will need to know what the indicator lights are displaying to provide support.

