**Amsterdam University
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Rover Rescue System

Manual - Epicenter

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January 9, 2019

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1 Introduction

Epicenter is used to connect a Rover to an operator using the Cockpit software. Epicenter is also the name of our internet infrastructure. It will act as both an access point as well as the connection software.

2   Requirements

In order to install and use Epicenter your device will need to have the following specifications:

- OS supporting Node.JS LTS

- Available ethernet port

- Available WiFi card

We will recommend using a Raspberry Pi 3B(+) as all development and testing has been done on this platform.

3   Installation

To install Epicenter you will first need to install RaspAp:

```
$ wget −q https://git.io/voEUQ −O /tmp/raspap && bash /tmp/raspap
```

After that install Epicenter and you are done:

```
$ wget −q https://git.io/fhZWU −O ~/epicenter && npm install
```

4   Usage

Turn on one or more Rovers and start one more instances of the Cockpit software. After that follow the following steps for each combination of Rover and Cockpit you want to make:

- Open any web browser

- Go to http://192.168.1.1/

- Select a Rover

- Select a Cockpit

- Press the "connect" button