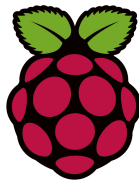# TELEPARK

PARKING RESERVATION SYSTEM

HARDWARE SETUP GUIDE

UAH

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

RASPBERRY PI

Quick Setup

(preferred, requires Linux)

1. CLONE THE REPO

Open up a Linux terminal and type the following.

```
$ git clone https://github.com/frillweeman/Telepark
```
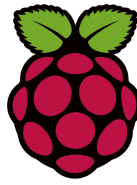
2. INSERT SD CARD

Insert a 4 GB or larger SD card to the computer. Do not worry about formatting it. The flash script will help you find the right card.

3. RUN RPI FLASH SCRIPT

```
$ cd Telepark
$ sudo ./flash-raspi.sh
```

The script will automatically download the image, flash it to the SD card, and configure the device for the signage player you specify when prompted.

RASPBERRY PI
Manual Setup

1. DOWNLOAD IMAGE FROM GITHUB

GitHub

Download the latest image from GitHub.
github.com/frillweeman/Telepark/releases

2. FLASH IMAGE TO MICROSD CARD

balenaEtcher

Flash image to a microSD card using software such as **balena Etcher** or **dd**.

3. EDIT TELEPARK.CONF

While the microSD card is still plugged into the computer used to flash it,
use a text editor to edit **telepark.conf** in the **boot** partition.

```
1 #/boot/telepark.conf
2
3 PLAYER_ID=2R
```

Edit line 3 to set PLAYER_ID to the correct player id. To see a map of spaces, see
github.com/frillweeman/Telepark/tree/master/signage-player#map-of-space-ids

4. RESTART DEVICE

Restart the Raspberry Pi, making sure it is in range of campus Wi-Fi.
It is now set up. Verify by publishing a reservation to it through Telepark.

BrightSign®

1. CREATE BRIGHTAUTHOR PRESENTATION

BrightAuthor

Orientation: **portrait, bottom on left**
Device: **HD222**

2. SET CONTENT

Add an HTML5 content block. Use the following info for the site:

URL: **https://telepark-3df33.firebaseapp.com**
Query String: **?id=5R** (substitute player id for 5R)

3. SAVE AND PUBLISH

Pushlish the presentation to the BrightSign player in the Publish tab of BrightAuthor.
It is now set up. Verify by publishing a reservation to it through Telepark.