Before Starting:

This document was last updated 04/19/2021

WARNING: When turning off this device DO NOT simply hold the power button down. To safely shut down the device and avoid potential damage tap the power button 3 times and wait 30 seconds for the device to properly shut down.

WARNING: The first fault point in this device is the spinning disk hard drive (“HDD”). If you have not upgraded to a solid state hard drive with no moving parts, you must be especially careful when shipping, carrying, or packaging this device (even with an SSD please be careful).

Please use care when packaging the device.

Do not operate or move the device while it is turned on.
Getting Started:

1. Push and hold down RACHEL’s on button for **10 seconds** or until the blue dot turns on.

2. Small blue dot will illuminate for **30 seconds** until RACHEL activates.

Up to 30 seconds, while RACHEL boots
3. When booted, RACHEL’s Wi-Fi signal light will flash slowly, you can now connect to the RACHEL wireless signal from your computer. It can take **3 minutes after flashing for all content to be ready!**

4. Use your computer, tablet, laptop, or phone’s Wi-Fi to connect to RACHEL-5G (preferred), or RACHEL, Wi-Fi signals.

OR

5. Open your web-browser (Chrome, Firefox, Internet Explorer, or Safari) and navigate to RACHEL homepage (192.168.88.1)

From here, you can access all of the content on your RACHEL device.
Uploading Content:
You can navigate to 192.168.88.1:8090 to upload your content. The login to the content upload portal is teacher / teacher.

Here, a teacher can upload content for students to view
Admin Duties:

User Name / Password ------- Admin / Rachel+1

1. On the Modules tab, you can sort, hide, or rearrange the modules on your device, so that other users can or cannot see content when they go to the RACHEL homepage. Click Save when finished.
2. On the Hardware tab, you can view available storage, and shutdown the device. Select **Advance Hardware Control** to turn Internet Off and assess networking security settings.
3. For advance users - You can also increase security by reviewing the Wireless setting. You can set MAC addresses of your computers to access only into RACHEL.

4. Repairs and Updates – If necessary, World Possible will send by e-mail repair packages to you. You will download them to your computer and then use the “Update Utility” in “Settings” to upload the device.
DataPost:

In 2021 World Possible released DataPost as a quick and easy way to get information to and from your RACHEL device without needing to put RACHEL on the internet. Anyone travelling to your RACHEL device with an Android Phone can serve as a digital mail courier, bringing new e-mails to RACHEL and picking up outgoing e-mails from the device. Included automatically in outgoing emails are usage logs of your RACHEL device that send to World Possible so we can analyze and display usage data.

Requirements:

- RACHEL-Plus 3.0 purchased in 2021 with a DataPost sticker
- Android Phone running Android 9.x or newer
- Latest DataPost app on your Android Phone
  - (http://community.rachelfriends.org/t/latest-android-apk-file/1646)
- Patience – this feature is in testing (beta) mode

Usage Data Collection with DataPost:

1. Download the DataPost app to your android phone
2. Connect your android phone to the RACHEL WiFi Signal
3. Open the DataPost app on your android phone and press Sync with RACHEL
4. Return with your android phone to a place with internet or data connectivity, open the DataPost app and click Sync with Internet
Email Communication with DataPost:

Individual users of RACHEL can also use an e-mail account on RACHEL to send and receive e-mails. The e-mails will only be delivered when a DataPost courier picks up the bundle from RACHEL and delivers it to the internet or vice-versa. RACHEL comes preloaded with 25 email accounts (user1, user2, ... user25) all with the password of: password

They can address e-mails to any e-mail account on earth. If you are a project sponsor, you can send an e-mail to them from your Gmail or any other email service you use.

The end of their email address (the domain) is assigned by RACHEL device using a six digit code that matches the RACHEL MAC ID.
For instance user1@AB12CD.datapost.site where AB12CD changes based on each RACHEL device.

When using the app to pick up a bundle of e-mails from the internet destined for RACHEL, the android phone user **must first have picked up a bundle from RACHEL and delivered it to the Internet.** This process ensures the android phone user at one point had physical access to the RACHEL device and can be trusted to carry e-mails.

While your android phone is connected to the internet, open the DataPost app and Sync with Internet. If you have access to any RACHEL devices that have data needs, they will appear in a list.

**DO NOT DOWNLOAD DATA IF YOU DO NOT INTEND TO DELIVER IT TO THE CORRECT RACHEL. DATA WILL BE LOST AND WILL NOT DELIVER TO THE WRONG RACHEL.**