

# Internal Beta Testing

This page covers instructions for the Internal Beta test amongst S2A lab members. These instructions will be updated for a wider beta test.

## Prerequisites

- Have a Raspberry Pi running Rasbian OS
- Have a 3D printer running modified Marlin firmware found on Ulendo website

## Setting up your 3D printer with Ulendo Cloud Platform

1. Go to the <https://ulendo-cloud.netlify.app> and create an account for the **Ulendo Cloud Platform** if you do not already have one.
2. On your Raspberry Pi, log into the Ulendo Cloud Platform and navigate to the Devices page (or click the plus icon on the top right) and select **add a new device**.
3. Follow the instructions on the page to download the software onto your Raspberry Pi. Place it in the **/home/pi/** directory
4. Once you download the software, run the **Ulendo Installer** application inside **ulendo-aws**. Select *'Execute in Terminal'* when prompted. Do not worry about error messages. Wait for program to complete and terminal to print **"provisioned"**
5. On the **add a device form**, enter your details:
  - a. Device ID is present in the **ulendo-aws** folder in a file called **info.txt**
  - b. Pick a name for the device that you like
  - c. Select the type of device you have
  - d. Select Alpha for the software version
  - e. Click add device




The screenshot shows the Ulendo Cloud Platform interface. At the top is a dark navigation bar with the Ulendo logo and links for Dashboard, Jobs, Devices, and Apps. On the right of the bar are icons for notifications, a plus sign, and a user profile. Below the navigation bar is the 'Devices' section header. Underneath is the 'Add New Device' form. The form includes a text area for 'DEVICE ID' with a hint to copy and paste from the Ulendo Edge Device. Below that is a 'DEVICE NAME' field with 'Desktop Printer' entered. There are two dropdown menus: 'EDGE DEVICE TYPE' and 'DEVICE SW VERSION'. At the bottom of the form is a blue 'Add Device' button. The footer of the page contains copyright information (© 2020 S2A, LLC), links to About Ulendo, Blog, Contact, and White Paper, the Ulendo logo, and links to Terms of Service, Privacy, Status, Support, and Report a bug.

## Submitting and running a 3D Printing Job

1. Make sure your edge device is turned on and connected to the Internet.
2. On the edge device (Raspberry Pi), run the **Ulendo** executable (file with the logo) found in the **/ulendo-aws** directory. Select *Execute in Terminal* when prompted.
3. Now from any computer, log into the Ulendo Cloud Platform.
4. Go to the **Jobs** page (or click the plus icon on the top right and select **new job**).
5. Use the **Submit New Job** form to submit a new job - have a GCODE file ready.

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- Ulendo
- Dashboard
- Jobs
- Devices
- Apps



## Jobs

### Submit New Job

Use the form below to submit a 3D print job to the Ulendo Cloud Platform.

DEVICE

APP

JOB NAME

Enter a job name

JOB DESCRIPTION

Enter a job description

GCODE FILE

Choose File

No file chosen

Submit Job

### Browse Job History

Here is a history of recent jobs. Click on a job to view its details.

Job: Testing Job Upload FN

ID: 59bbcad4-7fd0-4bb0-b37b-bdd1f120a548

Job Status: uploading

Submitted to: Changed Name

Submitted by: d010dd3a-90fa-4845-b6ea-c549984e0389

Submitted on: uploading

View Job Details

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6. Once you submit a job, it will show up in your history - you can view details by clicking on it.