



LIQUID Moku:Lab Reconfigurable Hardware Platforms User Guide

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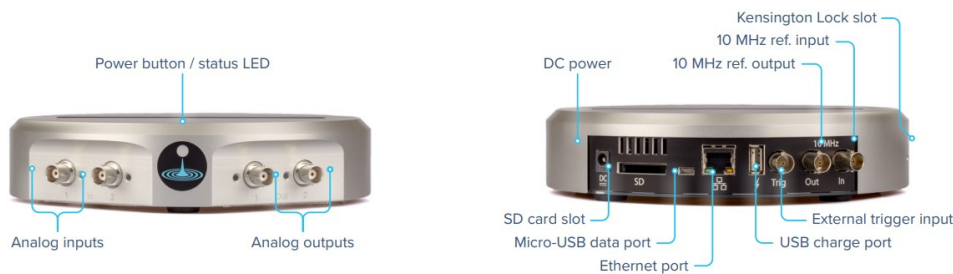
LIQUID Moku:Lab Reconfigurable Hardware Platforms User Guide



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Product Overview



Powering on & off

Powered off



Initializing / Powering down



Powered on



1. Connect the power supply to the DC power port on the rear of Moku:Lab.
2. Press and hold the power button for two seconds until the status LED turns orange.
3. Wait for the status LED to turn blue / white.
4. To turn off your **Moku:** Lab, press and hold the power button for two seconds until the status LED turns orange.
Wait until the orange light turns off before unplugging

Installing the Moku: app

iPad app

1. Open the App Store on your iPad.
2. Search for the Moku: app and verify that the publisher is Liquid Instruments.
3. Download and install Moku: app on your iPad.
4. Open the Moku: app and when prompted for permission to find and connect to devices on the local network, grant access to discover and connect to your Moku:Lab.

Desktop app

1. Download the software from [Liquid Instruments Website > Products > Software > Desktop Apps.](#)
2. Windows: Run the installer and follow the prompts to install the Moku: app.

Mac: Drag the icon to your Applications folder to install the application.

Connecting to your Moku:Lab for the first time

When your Moku:Lab powers on, it will be in its factory default state. This means it will broadcast a Wireless Access Point and Ethernet will be enabled.

Option 1: Wireless Access Point

On your iPad or computer, join the Wi-Fi network called “Moku-#####,” where “#####” is the middle 6 digits of the serial number printed on the bottom of the device. The default password is mokuadmin.

Option 2: Ethernet

Connect your **Moku:Lab** to a local wired network (e.g., a router) via an Ethernet cable. Make sure your iPad or computer is connected to the same network.

Option 3: USB (desktop only)

Connect your Moku:Lab to your computer via a micro-USB cable.

Getting started with the app

Once you have connected your **Moku:Lab** to your iPad or computer, you can start using your device.

1. Launch the Moku: app on your iPad or on your computer.
2. **Moku:Lab** devices that are connected to the same network as your iPad or computer will show up on the “Select your device” screen.
3. Select your **Moku:Lab** to start using your device. The default name of your Moku:Lab is “Moku #####,” where “#####” is the 6-digit serial number printed on the bottom of the device.
4. On the “Select your instrument” menu, select an instrument to deploy to your **Moku:Lab**.
5. To discover how to use each instrument, refer to the “Accessing instrument tutorials” section below.

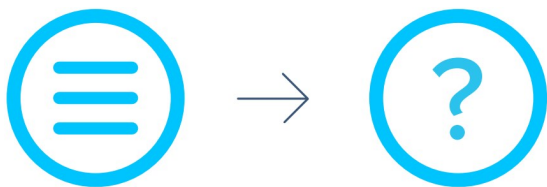
Configure your Moku:Lab to join an existing wireless network

Once you have connected to your **Moku:Lab**, you can have it join an existing wireless network.

1. Launch the Moku: app.
2. **iPad app:** Tap the icon of your Moku:Lab on the “Select your device” screen, then tap the Settings gear at the bottom left corner of the screen to configure the Moku:Lab settings.
Desktop app: Right-click on the icon of your Moku:Lab on the “Select your device” screen. Then select “Configure device.”
3. Switch to the Wi-Fi tab, select “Join a Wi-Fi network” and type in the name of the Wi-Fi network you would like to connect to. You will be prompted to enter a password for that network if required.
4. Connect your iPad to the same Wi-Fi network. The iPad will only discover Moku devices on the same network.

Accessing instrument tutorials

Basic tutorials for each instrument are available in the iPad and desktop app. To access these tutorials, deploy the desired instrument and press the main menu button at the top left of the screen, then hover the “Help” icon. Alternatively, you can press the F1 key.




Factory resetting Moku:Lab

Moku:Lab must be plugged in and powered on to perform a Factory Reset. You can return your **Moku:Lab** to its default network and configuration settings by pressing the Factory Reset button with a paper clip or small object on the underside of the device for two seconds. The status LEDs on the power button will cycle through different colors as your **Moku:Lab** reinitializes. **Moku:Lab** will restart in Wireless Access Point mode with Ethernet enabled.

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Documents / Resources

	<p>LIQUID Moku:Lab Reconfigurable Hardware Platforms [pdf] User Guide</p> <p>Moku Lab Reconfigurable Hardware Platforms, Moku Lab, Reconfigurable Hardware Platforms, Hardware Platforms, Platforms</p>
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References

- [Liquid Instruments](#)
- [Liquid Instruments](#)
- [Windows & Mac App - Liquid Instruments](#)