



**All-in-One
Ultra Wideband Demo Kit**

Quick Start Guide

Experience the power of location precision

Hardware Interfaces



1. Button A

Long press 3 sec to power on/off device.

2. Button B

Long press 1 sec to switch device mode.

3. Button C

Indicates device mode.



LEAPS UWBS



Qorvo NI



Qorvo UCI

4. USB-C Data Port 1

USB command line and binary API.

5. USB-C Data Port 2

DAPLink + USB/UART command line and binary API.

Get the devices ready



LC13

(Gray device)



LC14

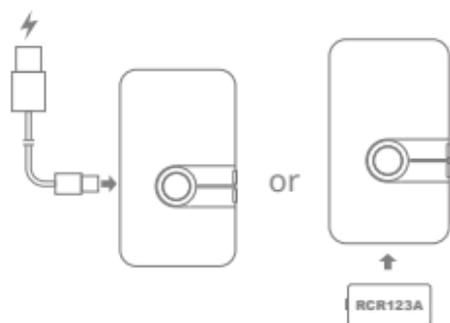
(White device)



USB-C Cable



**RCR123A
3.7V battery**



1. Power the device(s) using USB-C cable connected to any USB port or RCR123A 3.7V battery.



2. Long press Button A until device vibrates and beeps to switch device on/off.

Nearby Interaction Demo

This demo requires an iPhone with Ultra-Wideband support and at least 1x White device.

Download and install on the iPhone:



Qorvo Nearby Interaction application



Qorvo NI Background application



1. On all the devices you want to use, keep long pressing Button B to switch device mode until Button C blinks blue.



Qorvo
Nearby Interaction

2. On iPhone, open Qorvo Nearby Interaction application, discover and connect to the device(s) to start the measurements.

Locate Device using Angle-of-Arrival (AoA) Demo

This demo requires a PC, 1x Gray device, at least 1x White device and the corresponding amount of USB-C cables to connect the devices to the PC. Optional battery can be used for the White devices when disconnected from the PC after the demo started.

Download and install on the PC:



UWB Ranging & AoA Demo App from Qorvo
<https://docs.leapslabs.com/UDK1/QSG/PartnerApp/>



1. Connect all the devices to the PC using USB Data Port 1.



2. Keep long pressing Button B to switch device mode until Button C blinks green.



3. Open UWB Ranging & AoA Demo application on the PC and follow the instructions.

LEAPS RTLS Demos

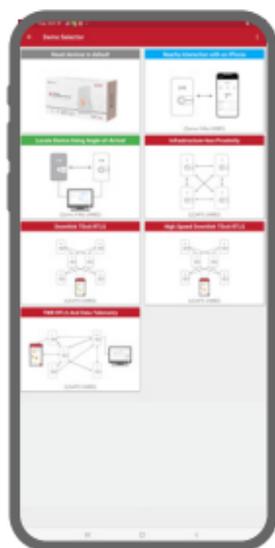
This demo requires a smartphone.

Download and install on the smartphone:



LEAPS Manager

*iOS version available in Q1/2024



1. Open LEAPS Manager on the smartphone
2. Click on Demo Selector and follow the instructions to configure the demo you are interested in.

iOS



LEAPS Manager

Kit contents



1 x LC13

With AoA
antenna



5 x LC14

With non-AoA
antenna



2 x USB-C Cable

2m USB-A to USB-C

This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties.

***Thank you
for choosing
our products!***

Explore more



<https://docs.leapslabs.com/udk1-start/>