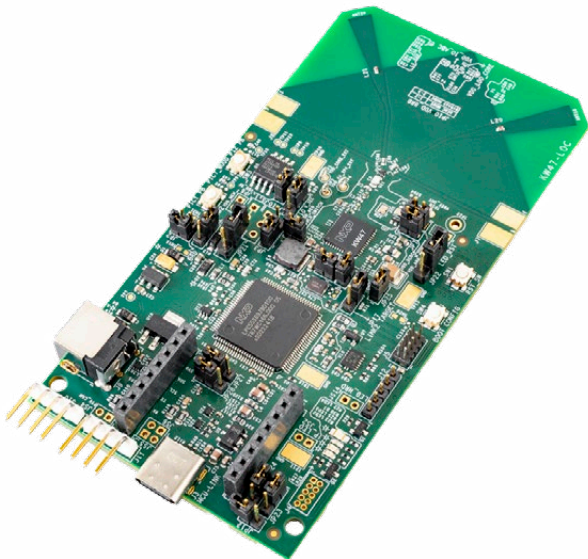




Quick Start Guide
MCUXpresso Developer Experience

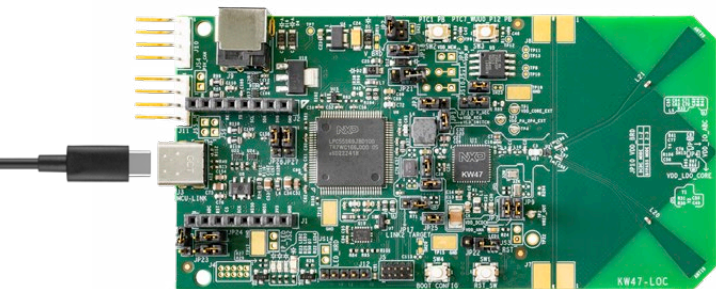
KW47-LOC



Getting started

Setup

1. Connect the KW47-LOC board to a PC using the USB Type-C cable.
2. The board comes preprogrammed with a channel sounding demo. When paired with a KW47-LOC board, it can establish a wireless ranging session for demonstration purposes.

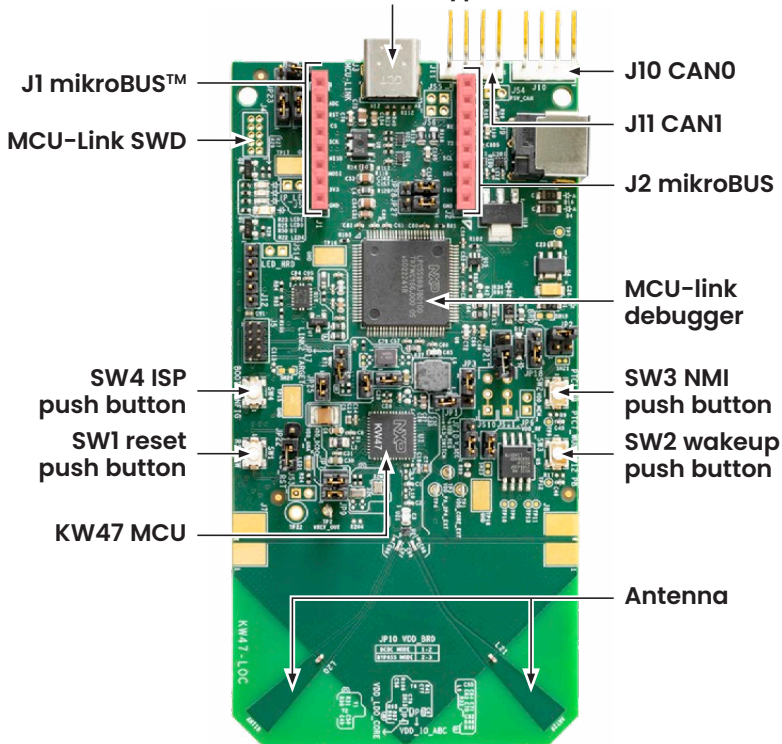


3. For further guidance, please refer to the Getting Started web-page at nxp.com/KW47-LOC.

Software and expansion boards

4. Use different headers to connect sensors, Arduino shields and more.
5. Access software and tools through nxp.com/MCUXpresso.
 - Expansion Board Hub mcuxpresso.nxp.com/eb-hub to find add-on boards from NXP and our partners with related MCUXpresso SDK-compatible drivers and examples.
 - Application Code Hub mcuxpresso.nxp.com/appcodehub to browse application code examples from our experts to help kick start your project.

MCU-Link USB Type-C



Get to Know the KW47-LOC development board

NXP's MCUXpresso Developer Experience provides you with cost-effective MCU development boards.

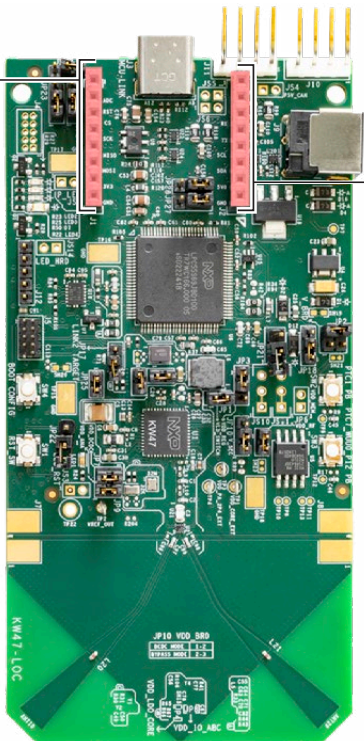
Easy I/O access supports expansion board use for fast prototyping and rapid evaluation.

Enjoy your KW47-LOC.

■ mikroBUS header

J1 mikroBUS

J2 mikroBUS



J1/J2 mikroBUS header

| | | J1 | J2 | | | |
|----------|------|-------|----|---|-------|-----|
| mikroBUS | AN | PTA21 | 1 | 1 | PTD2 | PWM |
| | RST | RST | 2 | 2 | PTC7 | INT |
| | CS | PTB0 | 3 | 3 | PTA16 | RX |
| | SCK | PTB2 | 4 | 4 | PTA17 | TX |
| | MISO | PTB1 | 5 | 5 | PTB5 | SCL |
| | MOSI | PTB3 | 6 | 6 | PTD3 | SDA |
| | 3V3 | 3V3 | 7 | 7 | 5V0 | 5V0 |
| | GND | GND | 8 | 8 | GND | GND |



Get started

Download installation software and documentation under “Jump Start Your Design” at nxp.com/KW47-LOC



iOS App Store
IoT Toolbox



Google Play Store
IoT Toolbox

Support

Visit nxp.com/support for a list of phone numbers within your region.

Warranty

Visit nxp.com/warranty for complete warranty information.

Home page

Visit nxp.com/KW47-LOC for more information.

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. © 2025 NXP B.V.

Document Number: KW47LOCQSG REV 0

Agile Number: 926-10079