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information, visit
nxp.com/RD-KL46Z-MRE

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Quick Reference Card

Magnetic Rotary Encoder Reference Design Kit

Self-calibrating magnetic angle sensor board using FXOS8700CQ magnetometer and Cortex®-M0+-based KL46Z MCU, a FRDM-KL46Z development board, and a BRKT-STBC-AGM01 breakout board



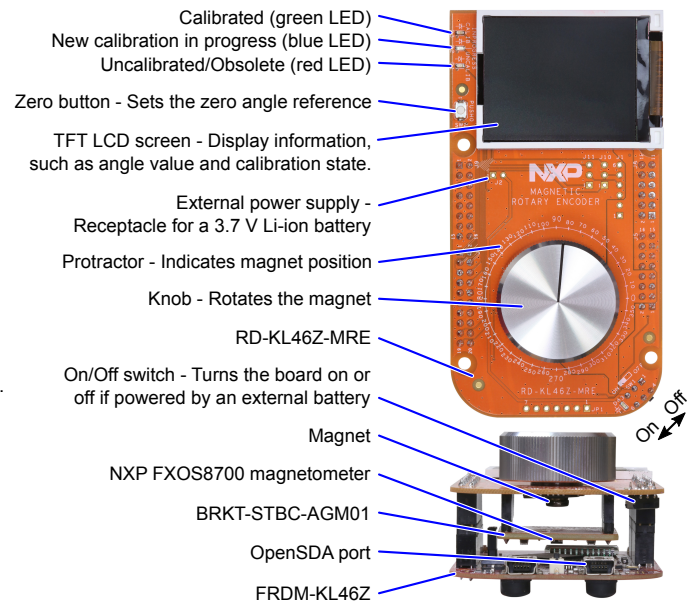
Get Started

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NXP Reference Design

- 1 Verify package contents:
 - RD-KL46Z-MRE
 - BRKT-STBC-AGM01
 - FRDM-KL46Z
 - USB cable
- 2 Download and install the latest Magnetic Rotary Encoder software from nxp.com/RD-KL46Z-MRE.
- 3 Plug one end of a USB cable into the OpenSDA port on the FRDM-KL46Z board. Plug the other end of the cable into the USB port on the computer.
- 4 Calibrate the sensor as follows: Rotate the knob beyond one full turn. When the green LED is blinking, set the knob position to 0 and push the zero button.
- 5 Start the Magnetic Rotary Encoder software on the computer. For the User Guide and more information, go to: nxp.com/RD-KL46Z-MRE



Get to know the RD-KL46Z-MRE



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