Quick Start Guide: Distance2Go

December 2018

Quick Setup for Distance2Go (1/2)

STEP1

Box Contents

1. Programmed Distance2Go Board

2. Micro USB cable

3. Foldable corner reflector

For board information:
www.Infineon.com/demo-distance2go

STEP2

Infineon Toolbox

Go to: Link

1. Click on ***'Download and Install Infineon Toolbox'*** (136 MB)
2. ***'Accept'*** the license agreement.
3. Run ***'infineon-toolbox-launcher-setup-win-x86.exe'***

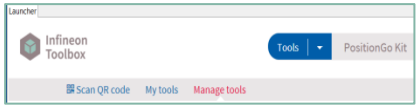
4. Finish installation. Create a desktop shortcut.

Infineon Toolbox

STEP3

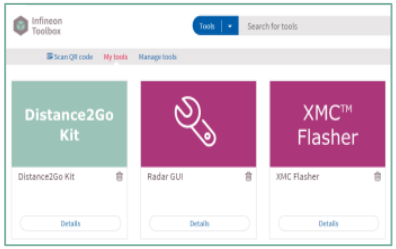
Install Position2Go kit – XMCFlasher + RadarGUI

1. Open ***'Infineon Toolbox'***
2. Click on ***'Manage tools'*** tab
3. Search for ***'Distance2Go kit'***



4. Click on **'Install'**

5. ***'Accept'*** the license agreement.
6. Finish installation.



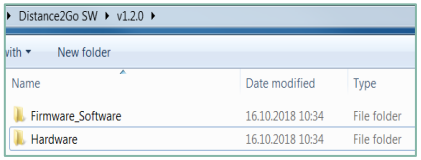
STEP4 (optional)

Download SW+HW package

1. Open ***'Infineon Toolbox'***
2. Click on ***'Distance2Go Kit'***
3. Follow the instructions mentioned on the left tab (2. Getting Started)

d2g_sw_setup
_v1.2.exe

4. Save the setup file and run it.
5. Browse to preferred location to store the files.



Receive Board → **Download Infineon Toolbox** → **Download Distance2Go kit** → **Get SW + HW package**

Quick Setup for Distance2Go (2/2)

STEP5

Connect Board

1. Insert micro USB cable into Distance2Go (main board)

2. Insert the USB connector into PC USB port

If the device driver is not recognized

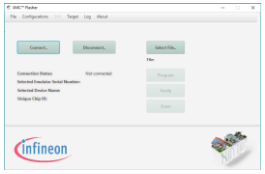
Right click on 'My Computer' → Manage → Device Manager → Other devices → Right click on 'Unknown device' → Update Driver Software → Browse → Distance2Go_FW (downloaded in Step 4) → Firmware_Software → Driver → XMC4200 serial driver (unzipped folder)

STEP6 (Optional)

Firmware (FW) Update

1. Download and install Segger JLINK-Lite driver: Link
2. Connect USB to debugger side

3. Open ***InfineonToolbox → XMCFlasher***



4. Click on ***Connect →*** Select ***XMC4200-256.***
5. Click on ***'Select file'*** → Browse to ***Distance2Go_FW (downloaded in Step 4) → Firmware_Software → Binary → Debug → .hex file → Program***

STEP7 (optional)

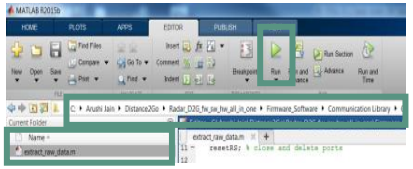
Source Code

Download and Install DAVE IDE Tool : Link

1. Import DAVE projects and debug.

MATLAB Interface

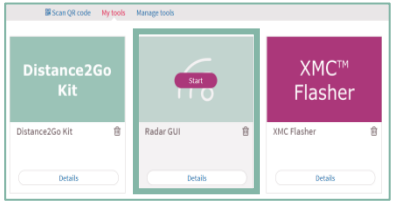
1. Open the folder from ***Step 4***.
2. Go to: ***Firmware_Software → Communication Library.*** Unzip ***ComLib_C_Matlab_Interface.zip***
3. Go to: ***ComLib_Matlab_Interface → matlab → RadarSystemExamples → GettingStarted.*** Copy the path.
4. Open MATLAB. Paste the path in the top tab. ***'extract_raw_data.m'*** file will show up on the left tab.
5. Connect board as ***Step 5***.
6. Click on ***'Run'*** to see raw data.

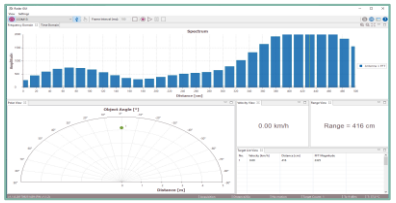


STEP8

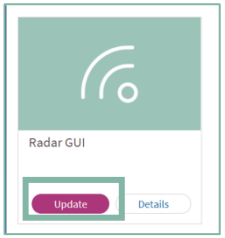
Radar GUI

1. Connect board as ***Step 5***
2. Open ***InfineonToolbox → RadarGUI***





3. Always use the latest Radar GUI



Connect Board and Install Driver → **Update µC FW** → **FW Development** → **Run Demo!**

Part of your life. Part of tomorrow.

Infineon