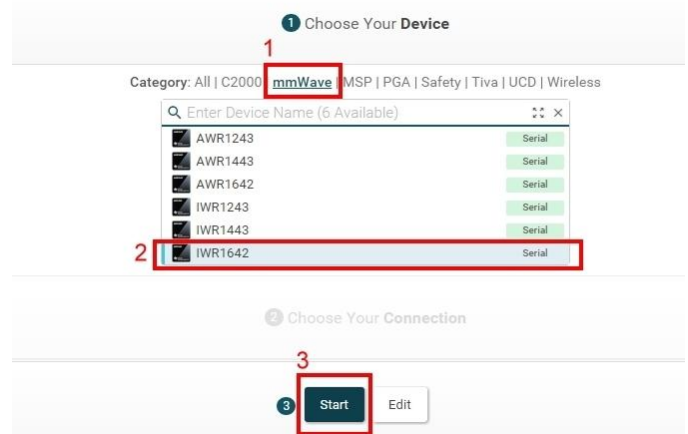




I. Programming :

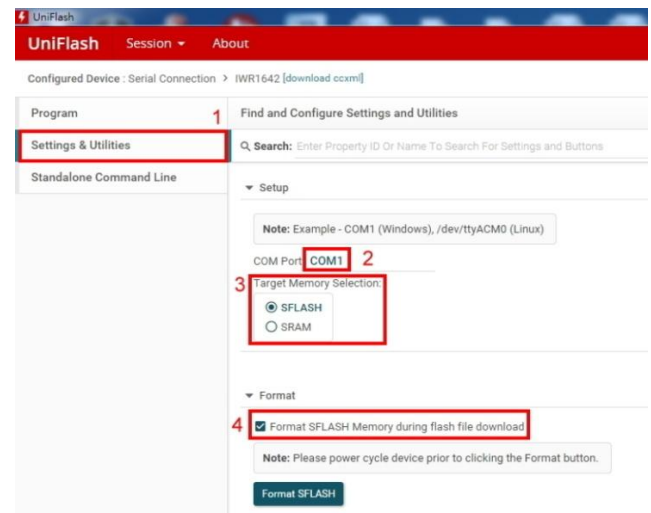
1. Open 「UniFlash」 program

- 「Choose Your Device」 appear
- select 「mmWave」 in Category
- select 「IWR1642」 in the list
- click 「Start」



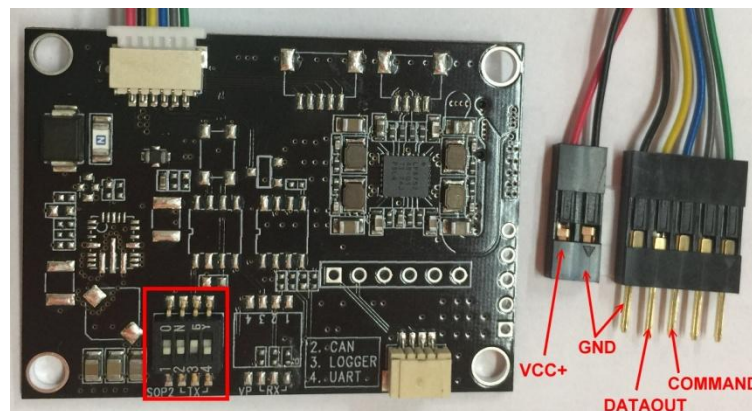
2. Turn into the program window

- select 「Settings & Utilities」 in the left list
- fill correct value in position of COM Port under Setup (PS1)
- 「Target Memory Selection」 : select 「SFLASH」
- mark 「Format SFLASH Memory during flash file download」



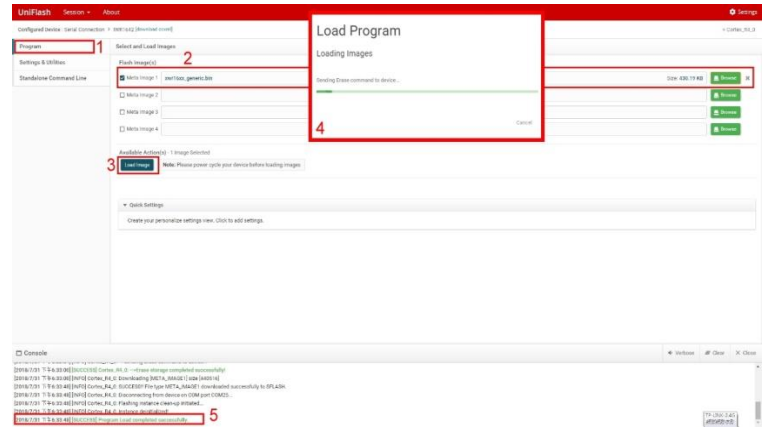
3. Please switch the Radar Module to **Flash Mode**, and connect to 6PIN cable. There are 2PIN and 5PIN connector with 6 PIN cable (the pin-out is showed in the photo). The 5 PIN is connected by 「USB to TTL serial cable」, the 2 PIN is connected by DC4.5~5.5V

PS. Please connect 5PIN first, and then connect 2PIN to avoid radar module short circuit.



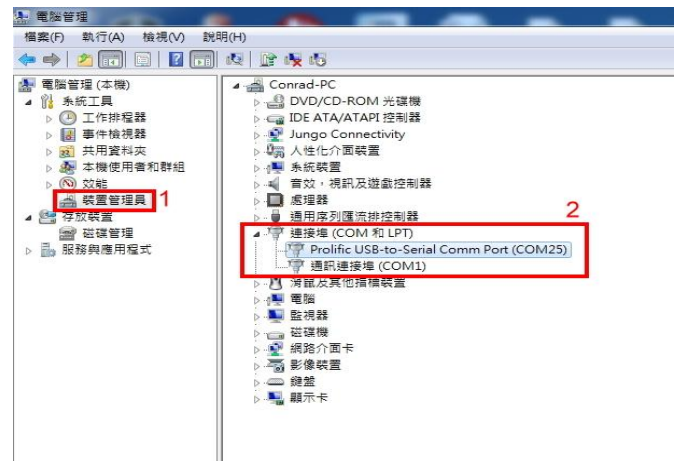


4. After radar module is connected by 「USB to TTL serial cable」 and power supply, select 「Program」 in the left list → Select the firmware in 「Meta Image 1」 → Click 「Load Image」, and start programming. When the message 「Program Load completed successfully」 appear in 「Console」 window, the program is finished.



PS. If you need to continue programming, please disconnect the power first, and remove 「USB to TTL serial」 cable, and repeat Step 3 & 4.

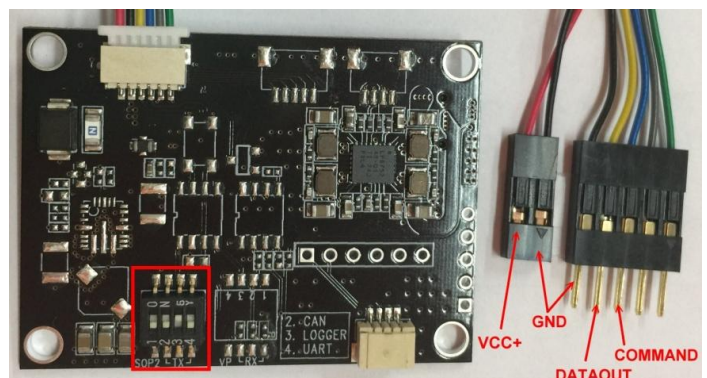
PS1: Connect 「USB to TTL serial cable」 to your computer → open 「Windows Explorer」 → click the right button of your mouse on an icon of 「My Computer」 → click 「Management」 → 「Computer Management」 window appears → select 「Device Manager」 → select 「COM and LPT」 → check 「Prolific USB-to-Serial Comm Port (COM25)」



In addition, the COM Port in every computer is different, so please be sure to verify.

II. Operation:

Please switch the Radar Module to **Normal Operation Mode**, and connect to 6PIN cable. There are 2PIN and 5PIN connector with 6 PIN cable (the pin-out is showed in the photo). The 5 PIN is connected by 「USB to TTL serial cable」, the 2 PIN is connected by DC4.5~5.5V



PS. Please connect 5PIN first, and then connect 2PIN to avoid radar module short circuit.