

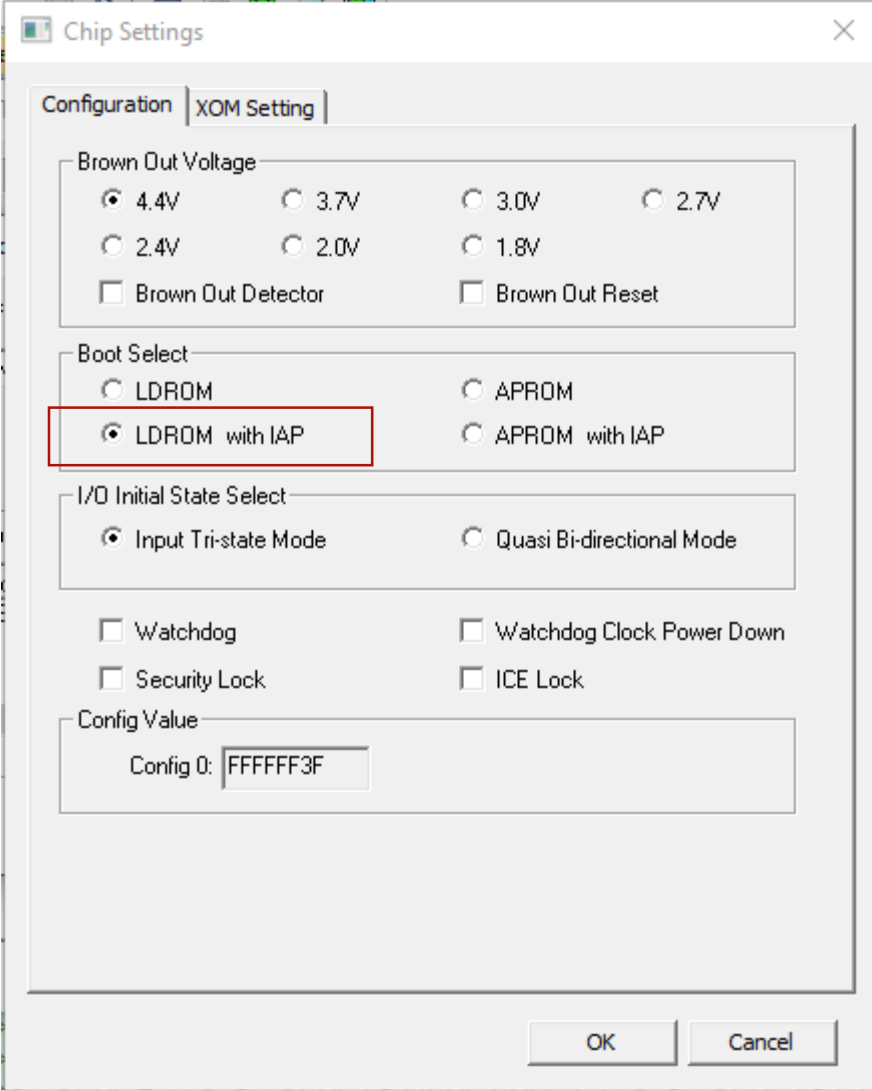
UART with ISP-IAP

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Chip Config Setting

- Config must setting boot “LDROM with IAP”



The screenshot shows the 'Chip Settings' dialog box with the 'XOM Setting' tab selected. The 'Boot Select' section has four radio button options: 'LDROM', 'LDROM with IAP' (which is selected and highlighted with a red rectangle), 'APROM', and 'APROM with IAP'. Other sections include 'Brown Out Voltage' with radio buttons for 4.4V, 3.7V, 3.0V, 2.7V, 2.4V, 2.0V, and 1.8V; checkboxes for 'Brown Out Detector' and 'Brown Out Reset'; 'I/O Initial State Select' with radio buttons for 'Input Tri-state Mode' and 'Quasi Bi-directional Mode'; checkboxes for 'Watchdog', 'Watchdog Clock Power Down', 'Security Lock', and 'ICE Lock'; and a 'Config Value' section with a text field for 'Config 0' containing the value 'FFFFFF3F'. 'OK' and 'Cancel' buttons are at the bottom right.

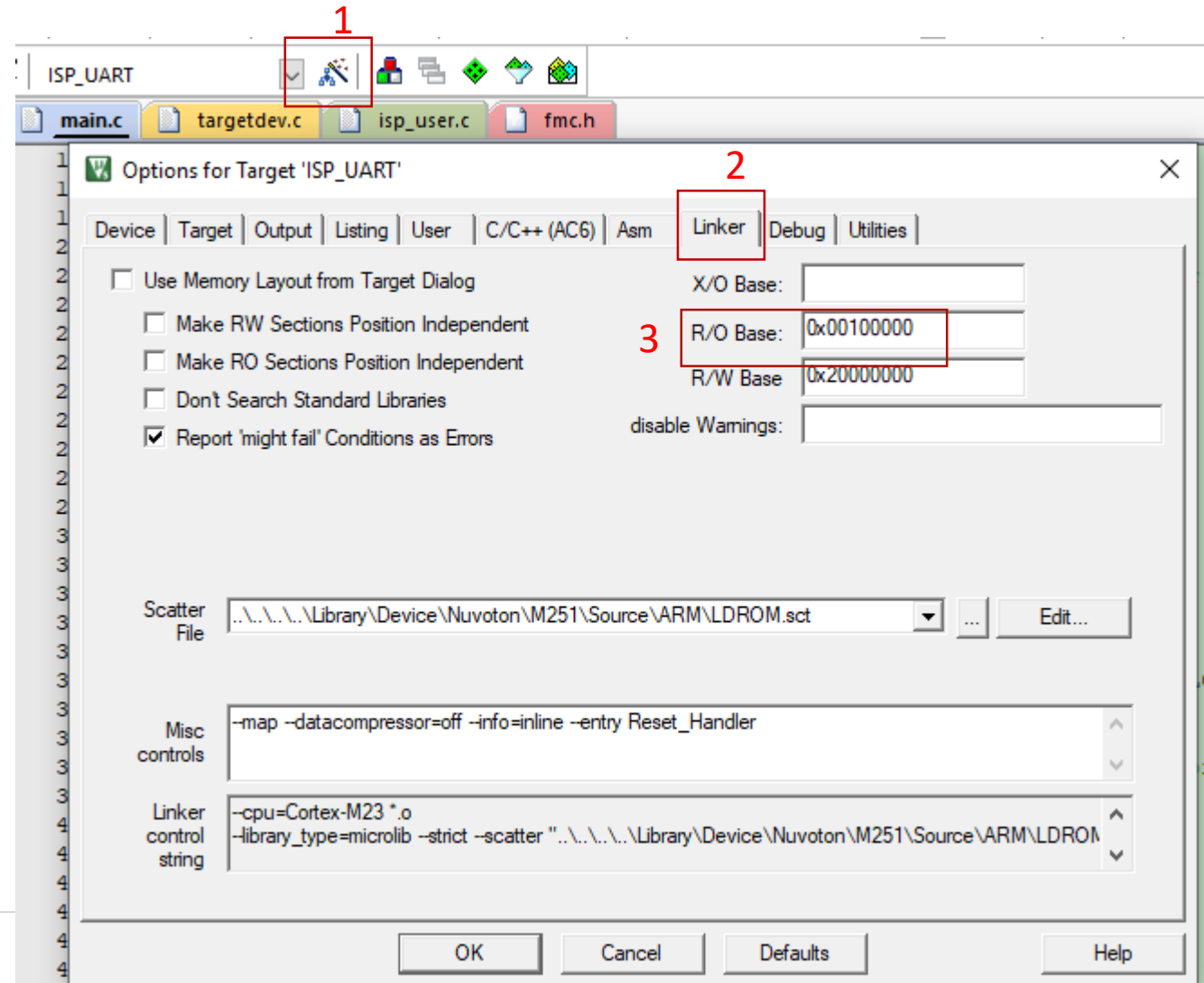
Section	Option	Value / State
Brown Out Voltage	4.4V	Selected
	3.7V	Unselected
Brown Out Detector	Brown Out Detector	Unselected
	Brown Out Reset	Unselected
Boot Select	LDROM	Unselected
	LDROM with IAP	Selected
	APROM	Unselected
	APROM with IAP	Unselected
I/O Initial State Select	Input Tri-state Mode	Selected
	Quasi Bi-directional Mode	Unselected
Watchdog	Watchdog	Unselected
	Watchdog Clock Power Down	Unselected
	Security Lock	Unselected
	ICE Lock	Unselected
Config Value	Config 0	FFFFFF3F

| Sample Code Project

- UART ISP-IAP
- Fix user LDROM address (0X10_0000)
 - \M251BSP ISP IAP UART 20231002\SampleCode\ISP\ISP_IAP_UART\

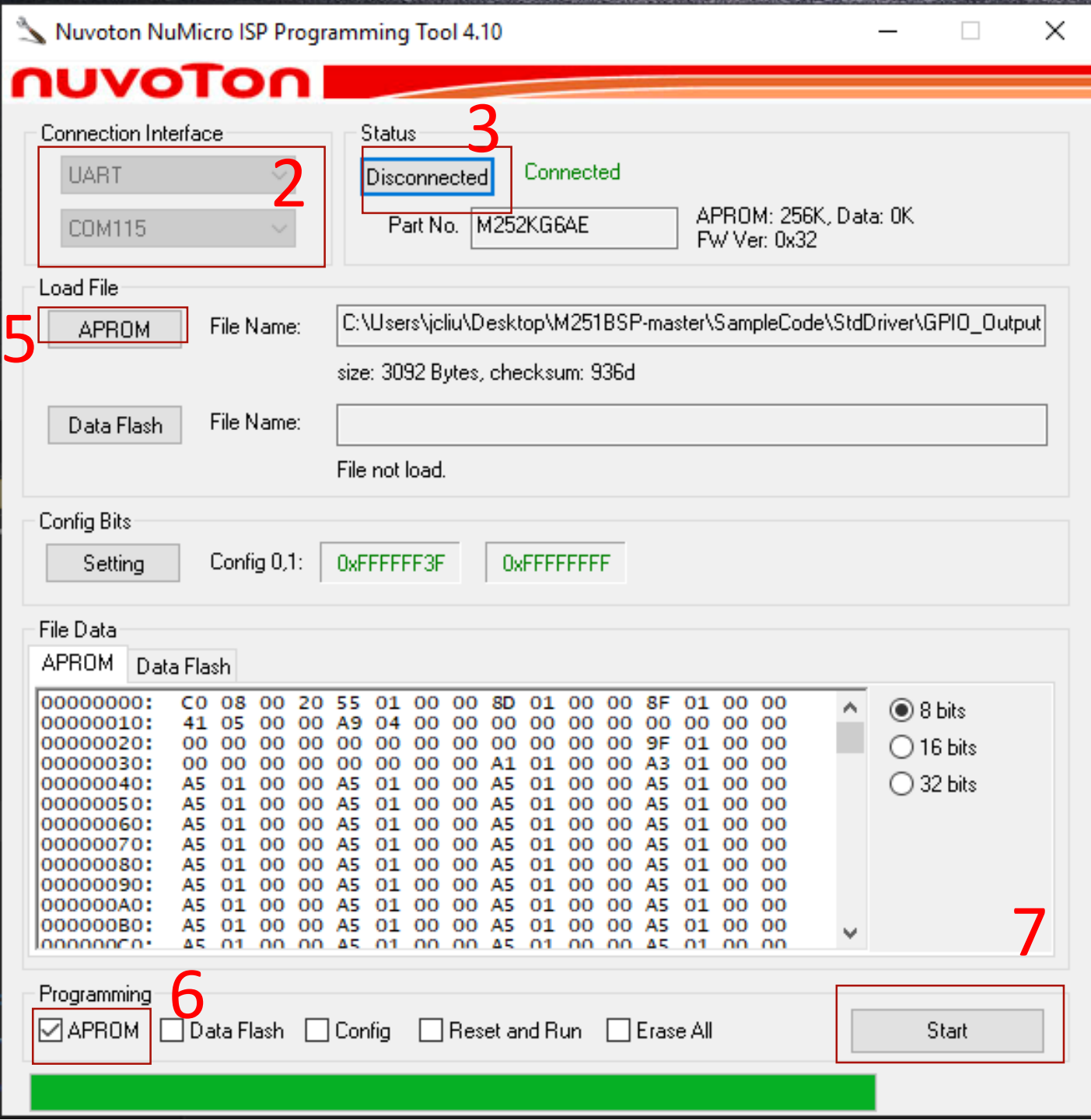
UART ISP-IAP Project setting

- In IAP mode, The user project must setting “r/o base” in link, for meet user LDROM start address.
- R/O base: 0x100000



| RUN Sample code

- Target chip Config must setting boot “LPRom with IAP”
- Program the \SampleCode\ISP\ISP_UART project or bin file to APROM.
 - 1, Open ISP tool,
 - 2, select UART and Com port(connect to target chip) in user computer.
 - 3, click Connect to auto detection target chip.
 - 4, Reset target chip for reboot and target chip will run ISP code process.
 - 5, select APROM bin file
 - 6, select “APROM “area in Programming Zoom.
 - 7, press “Start” to programing.



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Thank You

Danke

Merci

ありがとう

Gracias

Kiitos

감사합니다

धन्यवाद

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