







Wireless

MTK Internal Use 限內部使用



Step1: Turn on feature

 In the Project_Name.mak file, turn on the customization tool feature as below:

DRV_CUSTOM_TOOL_SUPPORT = TRUE

TRUE or FALSE

 Note that when this feature is turned on, a compile option __cust_new_ will be defined.

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MTK Internal Use 限內部使用 Wireless Step2: Create a data workspace file (1/4) 🖪 🦳 adaptation Create a codegen folder 🕀 🦳 applib bchs 🗀 \mcu\custom\drv\misc drv\BOARD VER\co 🕒 🦳 bchsadp bluetooth. degen where BOARD_VER is the Baseband main 🕀 🦳 bmt board description in the Project_Name.mak. ■ bootloader E im build For example, if BOARD_VER = TOP_6227_BB in E config TOP6227 DEMO GPRS. mak, then create a 🖃 🦳 custom codegen folder under H 🛅 арр # audio \mcu\custom\drv\misc drv\TOP 6227 BB\ ± common 🗎 🦳 dry E Cam Module ⊕ Camera ⊞ common_drv Drv_Tool H image_sensor E CD ☐ misc_drv ■ backup. ☐ ↑ TOP 6227 BB m Motion_sensor 🗷 🧀 wift H C YUV_sensor

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Step2: Create a data workspace file (2/4)

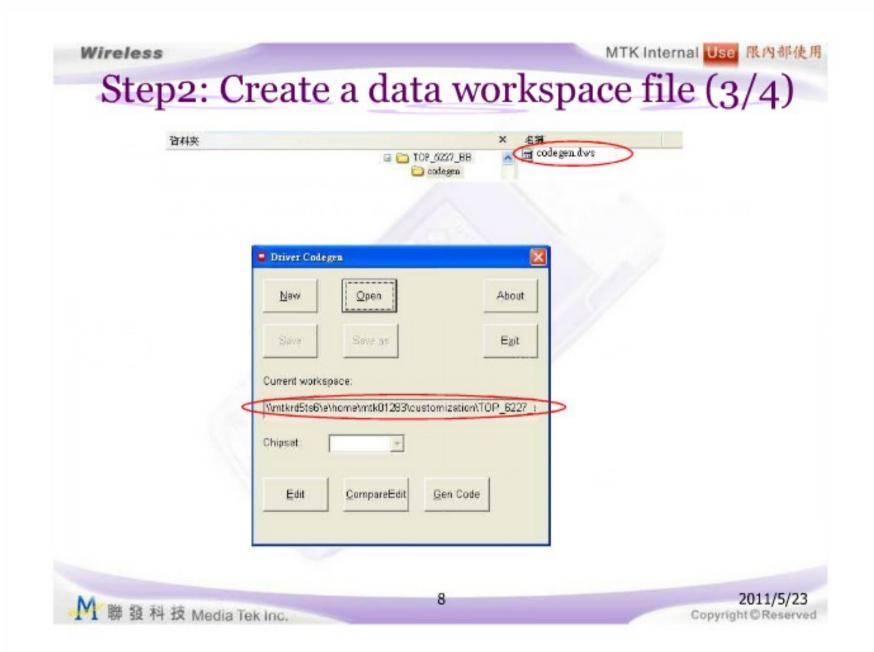
- · Create a data workspace file:
 - New a data workspace by tool on the folder as mentioned above: \mcu\custom\drv\misc_drv\BOARD_VER\codegen. And the file name of this data workspace must be codegen. dws.







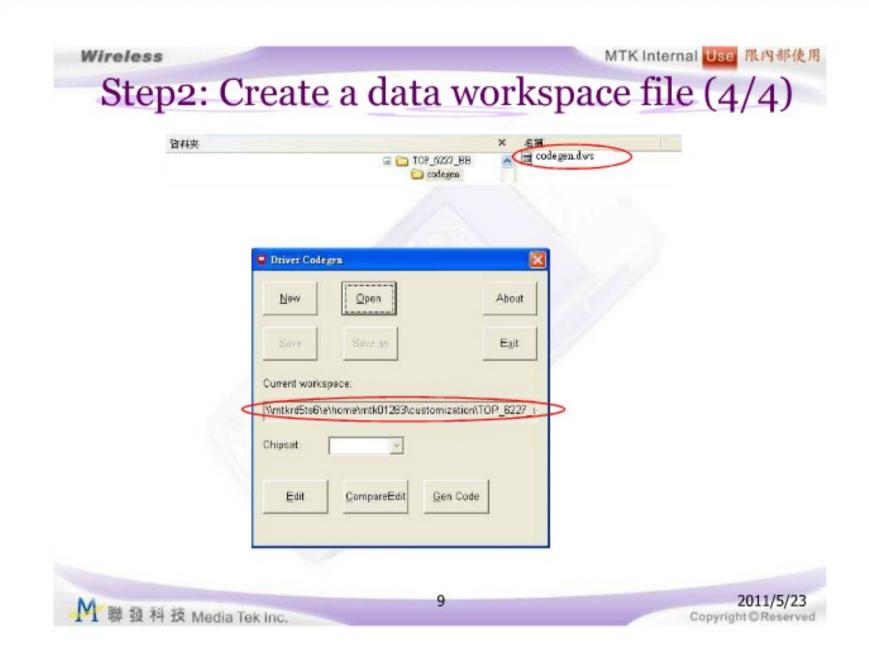








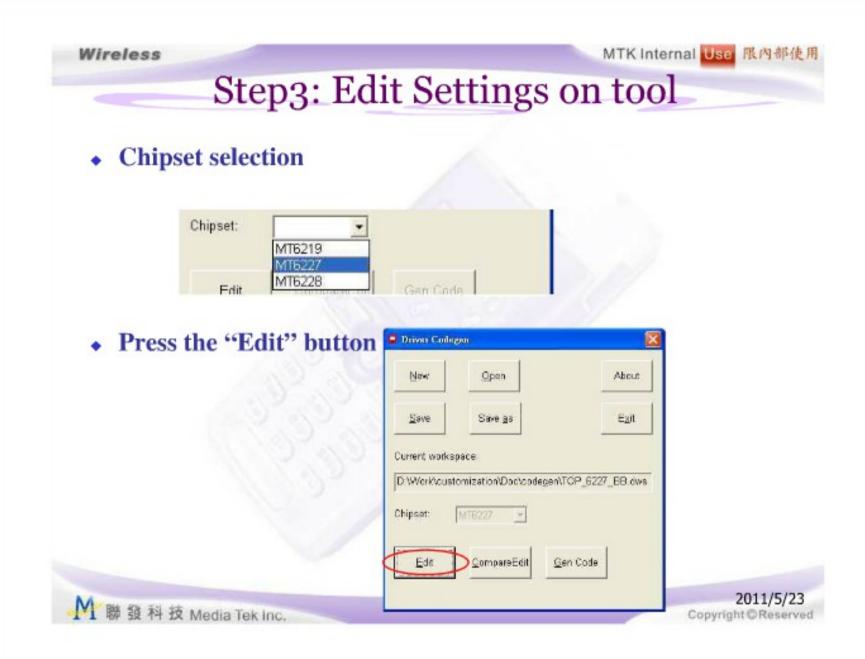


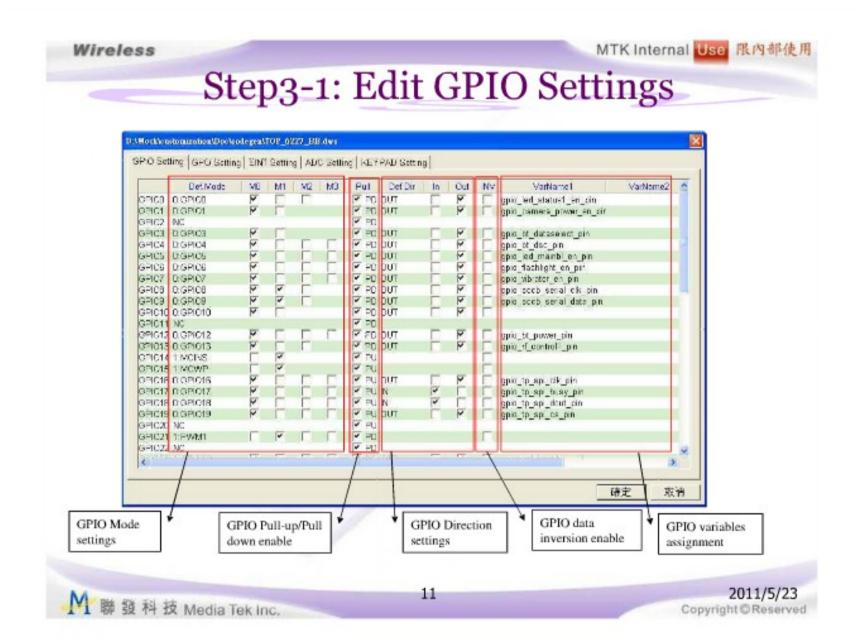








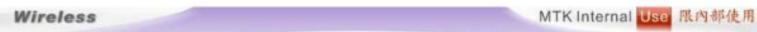






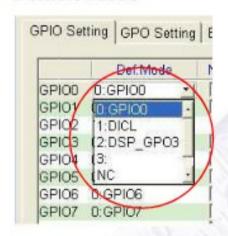
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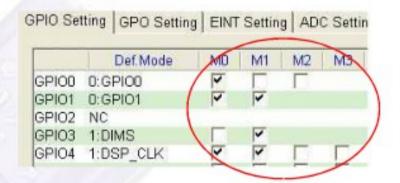


Step3-1: Edit GPIO Settings

Default Mode



Allowed Mode



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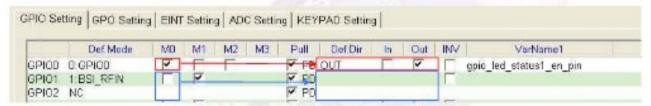


Wireless

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Step3-1: Edit GPIO Settings

- Pull-up/Pull-down enable: check box
- Direction Settings: This category contains three columns and they are only enabled when the allowed mode (M0, M1, M2 or M3) for the corresponding GPIO is checked.



Default direction:



- · Allowed direction: In & Out
- Data inversion enable: check box

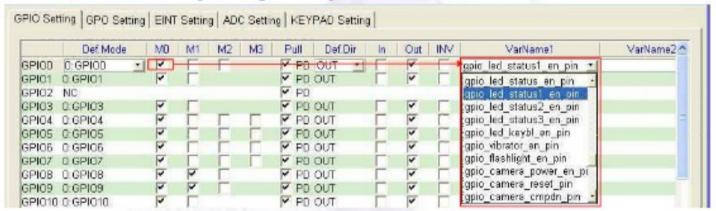
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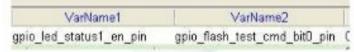
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Step3-1: Edit GPIO Settings

 Variables assignment: It contains two columns: VarName1 and VarName2 and is enabled only when the allowed mode (M0, M1, M2 or M3) for the corresponding GPIO pin is checked.



 VarName2 is for special cases when a GPIO pin is shared between two applications or modules



 Note that no GPIO variable name can be assigned in any two different fields even in GPO Setting (GPIO variables names are shared with GPO Setting)

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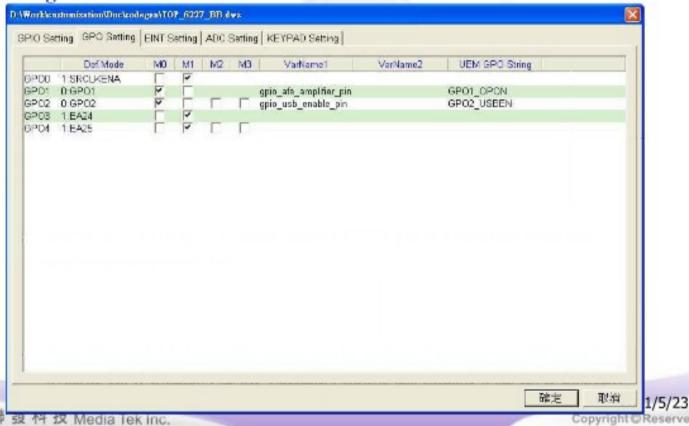
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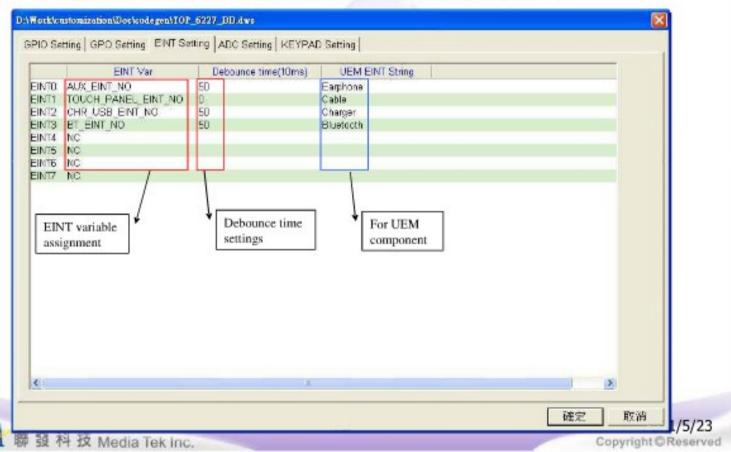


 The GPO editing window is just like GPIO editing window except that it only contains two categories: GPO mode settings and GPIO variables assignment.



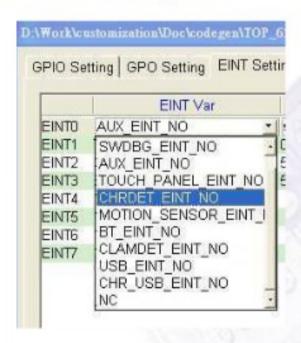
MTK Internal Use 限內部使用 Step3-3: Edit EINT

 The EINT editing window contains two categories: EINT variables assignment and Software debounce Time settings as below.

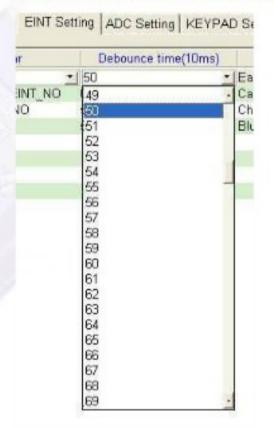




Variables assignment:



Software debounce time setting:



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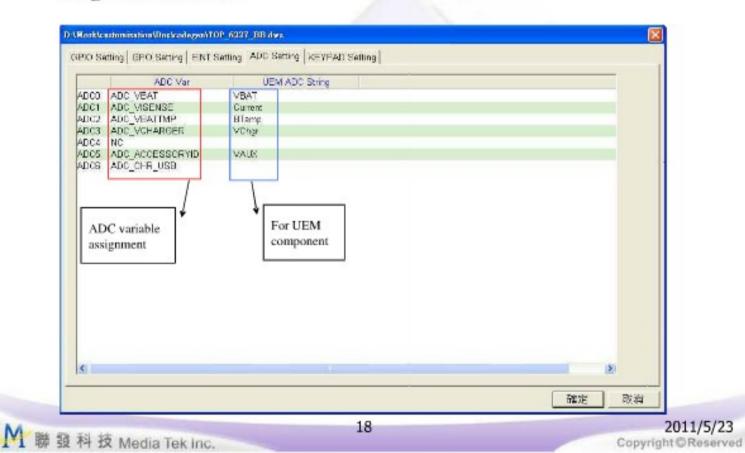
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MTK Internal Use 限內部使用 Step3-4: Edit ADC

 The ADC editing window contains just one category: ADC variables assignment as below.

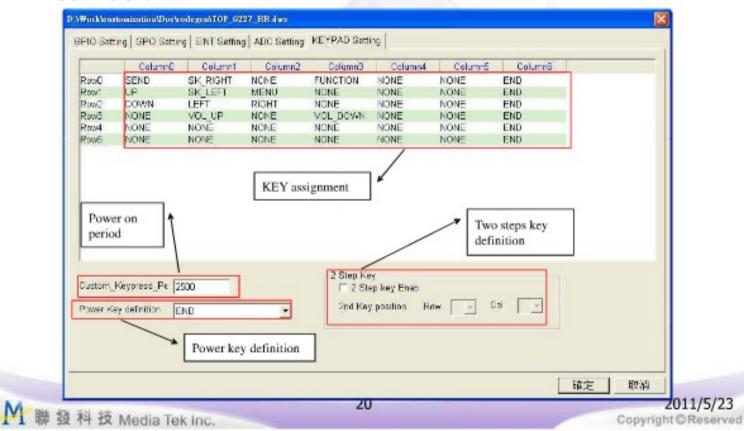


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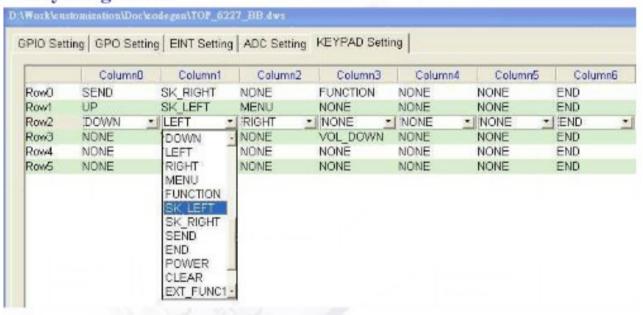


 The KEYPAD editing window contains just four categories: KEY assignment, Power on period, Power key definition and two steps key definition.





Key assignment:



Power on period:

Custom_Kaypress_Pe 2500

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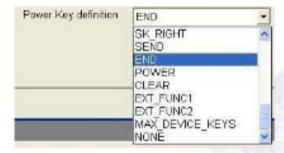
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Step3-5: Edit KEYPAD

Power key definition:



- Two steps key enable:
 - When this field is enabled, user can assign the full pressed position (2nd key position) on the keypad matrix for the two steps key.

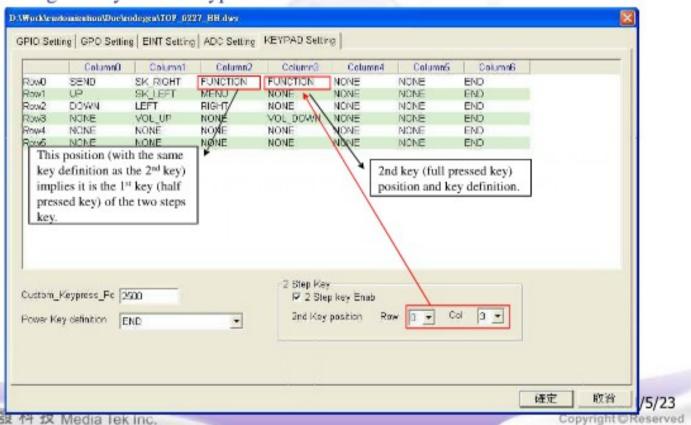




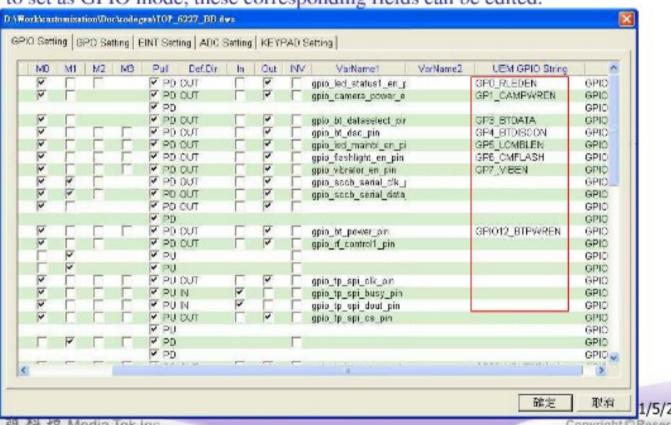




 The 1st key position (half pressed key position) is implied on the position which has the same key definition as the 2nd key. User should take care of having 1st key on the keypad matrix. The tool would not check it.



 UEM GPIO String Editing: the field is in the last column of GPIO Setting window. Note that only for those GPIO ports which are permitted to set as GPIO mode, these corresponding fields can be edited.





 UEM GPO String Editing: the field is in the last column of GPO Setting window. Note that only for those GPO ports which are permitted to set as GPO mode, these corresponding fields can be edited.

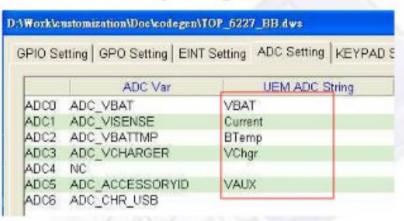


 UEM EINT String Editing: field is in the last column of EINT Setting window. Note that only for those EINT pins which are assigned variables, these corresponding fields can be edited.

	D-Wookkenstonssolson\Dockendegss\TOP_6227_BB.dws GPIO Setting GPIO Setting EINT Setting ADC Setting KEYPAD Setting				
		EINT Var	Debounce time(10ms)	UEM EINT String	
	EINTO	AUX_EINT_NO	50	Earphone	
		TOUCH PANEL EINT	NO NO	Cable	
	EINT2	CHR USB EINT NO	50	Charger	
	EINT3	BT_EINT_NO	50	Bluetooth	
	EINT4	NC			
	EINT5	NC			
A.4	EINT6 NC				2011/5/23
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Step3-6: Edit UEM

 UEM ADC String Editing: the field is in the last column of ADC Setting window. Note that only for those ADC channel which are assigned variables, these corresponding fields can be edited.



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