BEACon™ firmware upgrade

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ZiLOG Smart Flash Programmer : beacon,zfpproj 📃 🗾 💴					
<u>F</u> ile <u>V</u> iew Flash <u>H</u> elp					
Program/Verify Fast Prog	ıram Verify Erase	→ Single Value	Help Topics	? About	
Target: Z8F6422 Files: File Offset: 000000 Erase Before Program: On Number: On				Configuration	
Status: The project file "S:\USuprema\UFingerPrint\UWork\UChar\Ubeacon, zfpproj" has been opened.					

Fig. 1 Execution program

1. When program is executed, you can see the window like Fig. 1. Then you must click "Advanced Configuration...".

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	Program/Verify Fast	Program Verify Erase Sing	➡ gle Value File Checksum	Help Topics About
	Target: Z8F6422	Files:	Include Carial	Advanced Configuration
	File Offset: 000000	Program: On	Number: On	
6	BEACon	Target Details		
	-Clock	Target Information Name of Target: Cpu Family: Cpu Name: Clock Frequency (MHz): Communication Type: Baud Rate: Serial Port:	BEACon Z8Encore_64K_Series Z8F6422 3,68640 serial 115200 Com1	
	Project Target Status:	uprema#FingerPrint#Work#Cha	ar₩beacon zfooroi" has bee	in opened.

Fig. 2 Target setting

2. On the next step, you must set up target. In the target setting, you can select CPU type, clock freq. and communication type.

3. In Fig. 2, select "Target" tab in the left pane, then click right button of mouse. Then click

"New Target".

🗶 ZdsFlash: Target Creation	? ×
Target Settings	
This process will assist you to quickly and correctly configure your target. Just follow the steps, clicking the Next >> button when you are satisfied with your answers (you can always use the << Back button to review or modify your selections). You can use the Finish button at any time to end	¥ ¥
Help < Back Next > Einish	<u>C</u> ancel

Fig. 3 CPU and communication setting

4. You must set up CPU and communication type like Fig. 3.

ZdsFlash: Target Creation	<u>?</u> ×
Target Clock Settings	
This process will assist you to quickly and correctly configure your target. Just follow the steps, clicking the Next >> button when you are satisfied with your answers (you can always use the << Back button to review or modify your selections). You can use the Finish button at any time to end	
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Fig. 4 Clock setting

5. You must set up clock freq. like Fig. 4.

📩 ZdsFlash: Target Creation				
Summary				
This process will assist you to quickly and correctly configure your target. Just follow the steps, clicking the Next >> button when you are satisfied with your answers (you can always use the << Back button to review or modify your selections). You can use the Finish button st any time to end	New Target Settings Name of Target: Cpu Family: Cpu Name: Communications Type:	BEACon Z8Encore_64K_Series Z8F6422 Serial		
Help	< <u>B</u> ack	<u>Einish</u>	ancel	

<u>Fig. 5 Finish</u>

6. Then click "Finish" button.

ZiLOG Smart Flash	Programmer : beacor t Help	n, zfpproj		<u>- ×</u>
Program/Verify Fast Pro	ogram Verify Erase	Single Value File Checksum	Help Topics	? About
Target: Z8F6422 File Offset: 000000	Files: Erase Before Program: On	Include Serial Number: On	Advanced Confi	guration,
Project Target Status: The project file "S:#Sup	Flash Files -Programming Order File Direct Direct Add rema\FingerPrint\Work	ctory Remove Up WCharWbeacon,zfpproj" has bee	Down n opened,	

Fig. 6 Select a firmware file

- 7. In "Project" tab in the left pane, you can select the firmware file.
- 8. Click "Add..." button. When you see the file selection dialogbox, select the firmware file.

	👗 ZiLOG Smart Fla	sh Programmer : beaco	n, zfpproj		
	<u>File V</u> iew Flash Target <u>H</u> elp				
	Program/Verify Fast	t Program Verify Erase	Single Value File Checksum	n Help Topics About	
	Target: Z8F6422	Files: Erace Befere	Include Serial	Advanced Configuration	
	File Offset: 000000	Program: On	Number: On		
	beacon,zfpproj Flash Files Settings				
	Serialization	Address (Hex): 0000FDF Size in Bytes: 5		*	
You must	replace your	Serialization Value	С Неха	decimal C IP Address	
serialization	value(=MAC	00:00:3B:33:05:EE	C Decir	nal MAC Address	
address). You	can see if you	Increment Setting		· Hexadecimal	
enter "F" ke	y in BEACon			O Decimal	
main display.			Program Serial <u>R</u> ead Seri	al	
	Status:				
	The project file "S:\Suprema\FingerPrint\Work\Char\beacon,zfpproj" has been opened.				

Fig. 7 Serialization setting

- 9. If you finish the firmware selection, click the "Serialization".
- 10. You must set up the address and serialization value like Fig. 7.
- 11. When you click "Program/Verify" and reset BEACon, the firmware upgrade finished.