How to update firmware of J10

J10OTC platform support FOTA function, which means you could update the firmware by wireless connection, while the original firmware or the chip firmware did not embed FOTA feature, the JLINK programmer always be used for firmware updating.

1. Hardware prepared:

a) JLINK programmer



b) J10 EVB Board or J10 PCBA



J10 firmware update process guide

c) Hardware connections:

Ð ARM仿真器 J10 EVB JLINK Computer J10 PCBA



www.jhearing.com



Note:

- a. For J10 application, the Jlink to J10,VTref should be 3.3V
- b. Please note the below 5 PINs match from JTAG interface



2. Software prepared.

1) FLASHLOADER

- this is standard tool which you could ask from distributors or

JHEAR directly

🚳 Flash Loade	r	—		×
<u>F</u> ile <u>H</u> elp				
Program Tool	s Options			
Filename:			Browse	a
Erase all of Verify cont	flash before programming ents of flash after programming			
<u>P</u> rogram	⊻erify			
2011/0/20	j10 0523 howltest.hex			

2) J10 firmware

This file is .hex file, authorized by JHEAR, you can ask from

3

4

distributor or JHEAR, you also could download DEMO firmware

from www.jhearing.com website

- 3) Steps to update firmware.
 - a) Open flashloader.exe
 - b) Click "Browse" to choose .hex file of J10 firmware

ų,		(
	🔍 Flash Loader	- 🗆 X
	<u>File</u> <u>H</u> elp	
	Program Tools Options	
	Filename:	<u>B</u> rowse
þ	Erase all of flash before programming	
IJ	Verify contents of flash after programming	
	Program Verify	
ç	·	(

 c) Choose the right .hex file (which your customized firmware from JHEAR for your specific interface definition and requirements)

BFlash Loader ile Help	- ×	
117开		
查找范围([]):	🔁 J10 new 💌 🗸	⊱ 🗈 📸 📰 ▼
名称		修改日期
j10_0523	howltest.hex	2023/5
ble_asha	mfi_od_demo.hex	2023/5
peripheral_server.hex		
i10_0505_howItestfeedbackBLE.hex		
j10ric_how	vlsupp_v20230430feedback.hex	2023/5
NS_BUILD	00411_MCU0411_DSP0404单按键最新.hex	2023/4
RIC_BUIL	D0410_MCU0410_DSP0404zuizhong.hex	2023/4
	ILD0410_MCU0410_DSP0404.hex	2023/4
文件名(N):	j10_0523_howItest.hex	▼ 打开(○)
文件类型(丁):	All supported files (*.hex,*.srec)	・ ・ 、 取消

d) Click "Program"

	×
<u>B</u> rowse.	
	<u>B</u> rowse.

e) Update successfully.

🕕 Flash	Flash Loader Progress	X
File He Program		
Filenam	Verifying [0x00118000-0x0011FFFF]	/se
🔽 Eras	Verifying [0x00120000-0x00127FFF] Verifying [0x00128000-0x0012FFFF] Verifying [0x00130000-0x0013085C]	
	Verifying [0x00130860-0x00130ABB] Disconnecting from device	
	Cancel	

f) Notice:

If failed to program, you might try erase before program and try previous steps:

www.jhearing.com

File He	lash Loader Pro	ogress		
Program	Connecting			
Filenam F Eras Veri <u>Pros</u>	Setting speed t Error: Communi Actual speed: 2 Error: Cannot h Error: Internal e Error: Connect I	o max cation error while rea 200 kHz alt DMA channels rror 100 failed	iding DP-Ctr	
	,	Cancel	Dor	ie
			_	
🔍 Flash L	oader			- ~
00 Flash L <u>F</u> ile <u>H</u> el	oader			- ~
Flash L File Hel Program	oader Tools Optio	ns		
Image: Second State Sta	Tools Optio	ns		
Region:	Tools Optio	ns all of flash)		
Program Region:	Tools Optio	ns all of flash) rased <u>R</u> ead	<u>1</u>	
Image: Constraint of the second se	oader Tools Optio Leave blank a re⊻erify E	ns all of flash) :rased <u>R</u> ead	<u>1</u>	<u>1</u> 0P

Note: this is general process to update J10 firmware, you could reach <u>www.jhearing.com</u> to get more information, you are welcome contact us if any issue you meet.