




















本示例演示如何使用  E7160SL Firmware Update Tool 刷新 E7160sl 固件。

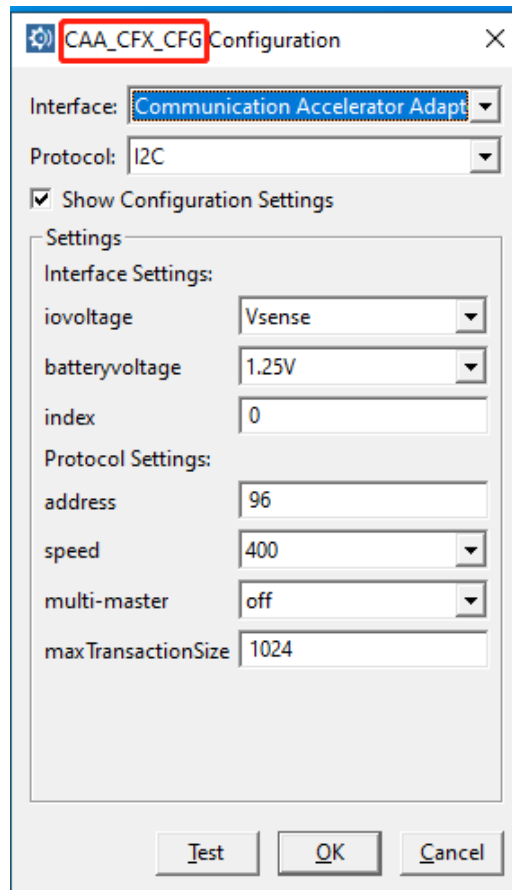
登陆 MyON 下载  E7160SL-1.11.1428.zip ， 1.11.1428 为当前最新固件版本号。
确认如下文件在同一文件夹下

 bootloader.bin	5/20/2020 9:42 PM	BIN File	4 KB
 bootloader.bin.md5	5/20/2020 9:42 PM	MD5 File	1 KB
 bootloader.hex	5/20/2020 9:42 PM	HEX File	11 KB
 bootloader.hex.md5	5/20/2020 9:42 PM	MD5 File	1 KB
 ctk.pyd	2/5/2018 1:29 AM	PYD File	104 KB
 E7160SL_1.11.1428.bundle	5/20/2020 10:21 PM	BUNDLE File	3,511 KB
 E7160SL_1.11.1428.bundle.md5	5/20/2020 10:21 PM	MD5 File	1 KB
 E7160SL_1.11.1428.nvi	5/20/2020 7:00 PM	EEPROM Image Fil...	250 KB
 E7160SL_1.11.1428.nvi.md5	5/20/2020 7:00 PM	MD5 File	1 KB
 MSVCR71.dll	2/5/2018 1:29 AM	Application exten...	340 KB
 nvmd.exe	2/5/2018 1:29 AM	Application	354 KB
 python25.dll	2/5/2018 1:29 AM	Application exten...	2,068 KB
 readme.txt	9/3/2020 4:51 PM	TXT File	6 KB
 RSL10_app.bin	5/20/2020 9:41 PM	BIN File	214 KB
 RSL10_app.bin.md5	5/20/2020 9:41 PM	MD5 File	1 KB
 RSL10_app.hex	5/20/2020 9:41 PM	HEX File	601 KB
 RSL10_app.hex.md5	5/20/2020 9:41 PM	MD5 File	1 KB
 RSL10_updater.exe	5/19/2020 10:29 AM	Application	3,464 KB

本例使用 E7160sl EVB 进行演示，系统硬件连接如下图



打开 CTK（安装包在 E7160sl SDK 中），根据现有固件配置 CTK。本例配置如下



打开 CMD 命令行工具，首先升级 E7100 固件，输入如下命令。具体命令含义见 readme 文档

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.572]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd C:\Users\... Desktop\E7160

C:\User... Desktop\E7160>nvmd.exe E7160SL_1.11.1428.nvi -u -b 3 -v -c CAA_CFX_CFG
Initializing communications interface...
Reading image file...
File System: SK4FS
Description:
Copyright:
Target device is SK4
Connecting to device...
Connected!
Disabling block write protect...
Loading data from the image...
Image size: 242615
Memory size: 262144
Block details:
  Name:
  Type: SysArea
```

```
Administrator: Command Prompt
Data Size:82014 bytes
Address: 0x258c5
Writing block...
Block details:
Name:
Type: P-Sect
Source:
Data Size:526 bytes
Address: 0x39923
Writing block...
Block details:
Name:
Type: X-Sect
Source:
Data Size:6242 bytes
Address: 0x39b31
Writing block...
Block details:
Name:
Type: App
Source:
Data Size:36 bytes
Address: 0x3b393
Writing block...
Setting block write protect...
Download completed, disconnecting...
C:\Users\zbd7xp\Desktop\E7160>
```

至此，E7100 固件烧写完成。输入如下命令烧写 RSL10 bootloader

```
C:\Users\zbd7xp\Desktop\E7160>RSL10_Updater.exe bootloader.bin --CAA --force
Image : RSLBootr ver=1.0.179
Application: E7160SL ver=1.11.749
Bootloader : RSLBootr ver=1.0.179
Progress: 100%
Image update successful!
Rebooting...
All done!
```

然后烧写 RSL10 app 固件

```
C:\Users\zbd7xp\Desktop\E7160>RSL10_Updater.exe RSL10_app.bin --CAA
Image : E7160SL ver=1.11.749
Application: E7160SL ver=1.11.749
Bootloader : RSLBootr ver=1.0.179
Progress: 100%
Image update successful!
Rebooting...
All done!
```

至此，E7160sl 整个固件更新全部完成，可以打开 SD 工具查看当前固件版本信息等

Programmer

Programmer Communication Accelerator Adaptor ▾
Verify NVM writes
Port (if applicable) LEFT ▾
Detect Close all

Device Info

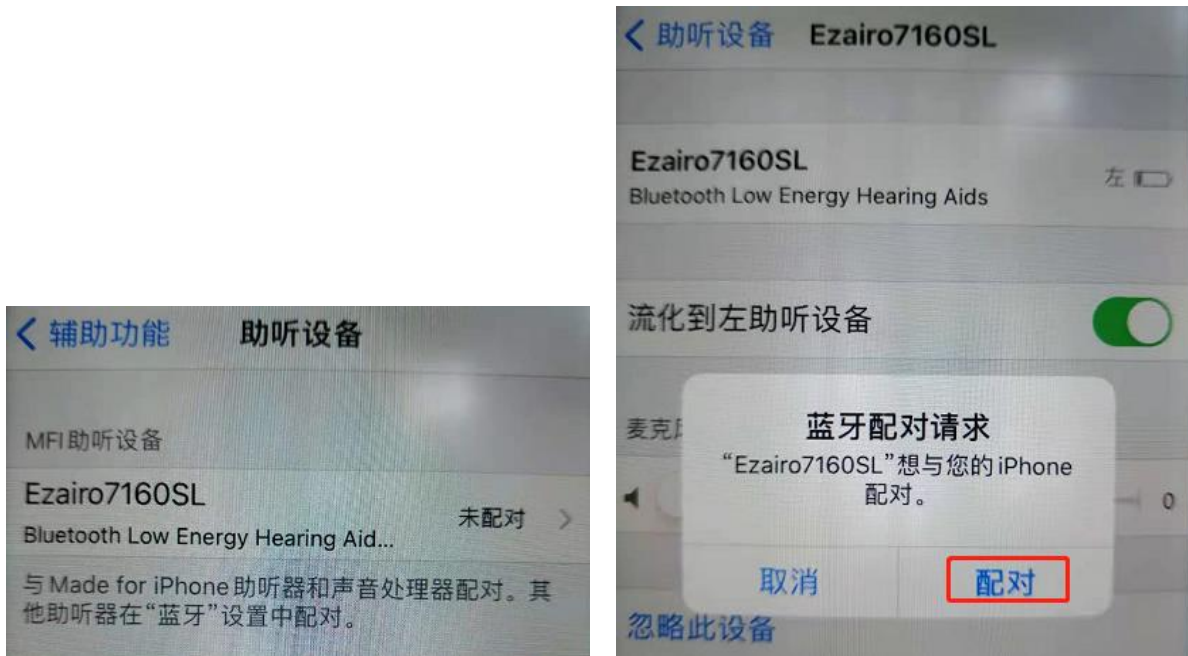
```
Left  
Hybrid ID..... 316  
Hybrid Serial ID.... 1560712706  
Hybrid Revision..... 0  
Firmware ID..... E7160SL  
Firmware Version.... 1.11.1428  
Library ID..... 0x1BF8  
Product ID..... 0  
Chip ID..... 255  
Chip Version..... 0  
Serial ID..... 0  
Radio App..... 1.11.749  
Radio Bootloader.... 1.0.179  
Radio SoftDevice.... 65535
```

制造商信息更新

本章节讲述如何修改 IPHONE 制造商显示信息。在 SD 中打开蓝牙功能

The screenshot shows the 'DEVICE CONTROL PANEL' for the 'Ezairo 7160 SL 16 Channels' product. The 'Wireless Enable' dropdown is set to 'Enabled' and the 'Device name (ASCII text)' field contains 'Ezairo7160SL'. The 'Advertising Interval' is set to 152.5 ms. The 'Audio Streaming Codec' is set to 'G.722 Mode 3 (48 kbps)'. The 'Binaural Peer Address 1' and 'Binaural Peer Address 2' are both set to 0. The 'Channel List' is set to 2. The 'Show graphs' checkbox is checked. The status bar at the bottom shows 'E7160SL.param' and '[ControlPanel] Connection closed'.

EVB 重启后，可在 iPhone 端搜索到 E7160sl



此时可看到，iPhone 显示的是 E7160sl 固件中默认信息。如需修改红框中信息匹配制造商信息，需要先将 apple 提供的 license 文件拷贝到该目录下。

