

1. 将编译生成的.bin 文件后缀改为.ota
2. 将下面这一段 OTA 头替换刚才修改的.ota 文件前面 4 个 Byte

```
1E F1 EE 0B 00 01 38 00 00 00 37 10 01 01 03 01 00 00 02 00 44 52 31 31 37 35
72 31 76 32 2D 2D 4A 4E 35 31 36 39 30 30 30 30 30 30 30 30 30 30 30 30 30
72 1F 03 00 00 00 B2 09 03 00
```

替换前

```
00000000 0F 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000002 00 0B 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000004 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00000006 56 78 11 22 33 44 55 66 77 88 08 01 00 00 00 00 00 00 00 00 00 00 00
```

↓

替换后

```
00000000 1E F1 EE 0B 00 01 38 00 00 00 37 10 01 01 03 01 00 00 02 00 44 52 31 31
00000010 37 35 72 31 76 32 2D 2D 4A 4E 35 31 36 39 30 30 30 30 30 30 30 30 30
00000020 30 30 30 30 72 1F 03 00 00 00 B2 09 03 00 12 34 00 00 00 00 00 00
00000030 56 78 11 22 33 44 55 66 77 88 08 01 00 00 00 00 00 00 00 00 00 00
00000040 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
```

- 3.保存后查看属性→文件大小（e.g 此处文件大小为 203,810 字节即 0x31C22）



4. 修改 0x000E ~ 0x0011 地址，此为版本号，应大于要被升级的固件

e.g: 将 1.0.3 版本修改为 1.0.4 版本

修改前

00000000	1E	F1	EE	0B	00	01	38	00	00	00	37	10	01	01	03	01
00000010	00	00	02	00	44	52	31	31	37	35	72	31	76	32	2D	2D
00000020	4A	4E	35	31	36	39	30	30	30	30	30	30	30	30	30	30
00000030	30	30	30	30	72	1F	03	00	00	00	B2	09	03	00	12	34
00000040	56	78	11	22	33	44	55	66	77	88	08	01	00	00	00	00

修改后

00000000	1E	F1	EE	0B	00	01	38	00	00	00	37	10	01	01	04	01
00000010	00	00	02	00	44	52	31	31	37	35	72	31	76	32	2D	2D
00000020	4A	4E	35	31	36	39	30	30	30	30	30	30	30	30	30	30
00000030	30	30	30	30	72	1F	03	00	00	00	B2	09	03	00	12	34
00000040	56	78	11	22	33	44	55	66	77	88	08	01	00	00	00	00

5. 修改 0x0034 ~ 0x0037 地址，此为镜像大小，应等于整个 .ota 文件大小，
即第 3 步得到的文件大小

e.g: 将文件大小 0x00031F72 修改为 0x00031C22

修改前

00000000	1E	F1	EE	0B	00	01	38	00	00	00	37	10	01	01	04	01
00000010	00	00	02	00	44	52	31	31	37	35	72	31	76	32	2D	2D
00000020	4A	4E	35	31	36	39	30	30	30	30	30	30	30	30	30	30
00000030	30	30	30	30	72	1F	03	00	00	00	B2	09	03	00	12	34
00000040	56	78	11	22	33	44	55	66	77	88	08	01	00	00	00	00

修改后

00000000	1E	F1	EE	0B	00	01	38	00	00	00	37	10	01	01	04	01
00000010	00	00	02	00	44	52	31	31	37	35	72	31	76	32	2D	2D
00000020	4A	4E	35	31	36	39	30	30	30	30	30	30	30	30	30	30
00000030	30	30	30	30	22	1C	03	00	00	00	B2	09	03	00	12	34
00000040	56	78	11	22	33	44	55	66	77	88	08	01	00	00	00	00