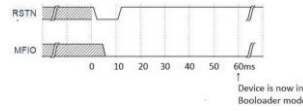


**Host  
Commands**

**MAXREFDES220**

**Response Command Description**

**Notes**



Place MAX32664 into Bootloader mode

AA 01 00 08	AB 00	(Set mode to 0x08)	*Set to bootloader mode
AA 02 00	AB 00 08	(Read mode)	Mode is bootloader
AA FF 00	AB 00 01	(Get ID, MCU Type)	+MCU is MAX32660, MAX32664
AA 81 00	AB 00 03 00 00	(BL info, get fw ver)	Version 3.0.0
AA 81 01	AB 00 20 00	(BL info, get page size)	8192 is the page size
AA 80 02 00 1A	AB 00	(BL flash, num pg=31 bytes)	*num pages is at 0x44, .msbl file

```
00000044 | 02 ed 27 af | 1a 00 00 20 04 00 00 00 c2 31 90 2c
```

AA 80 00 1A DB E5 OD 90 79 E6 C6 13 87 B9  
AB 00

(BL flash, set IV bytes) \* bytes 0x28 to 0x32, .msbl file

```
00000000 | 6d 73 62 6c 00 00 00 00 4d 41 58 33 32 36 36 30
00000010 | 00 00 00 00 00 00 00 00 41 45 53 2d 32 35 36 00
00000020 | 00 00 00 00 00 00 00 00 1a db e5 0d 90 79 e6 c6
00000032 | 13 87 b9 00 2b f5 ad cd 2e 47 d2 83 23 88 37 63
00000040 | 02 ed 27 af 1a 00 00 20 04 00 00 00 c2 31 90 2c
00000050 | e4 c8 37 e9 18 92 ad 3b 64 e7 0a ed eb 40 c1 66
00000060 | e2 23 4f 71 d4 6b 98 e3 a7 f9 85 80 7a 4e 17 e7
```

AA 80 01 2B F5 AD CD 2E 47 D2 83 23 88 37 62 02 ED 27 AF  
AB 00

(BL flash, set AUTH) \*bytes 0x28 to 0x34

```
00000030 | 13 87 b9 00 2b f5 ad cd 2e 47 d2 83 23 88 37 63
00000043 | 02 ed 27 af 1a 00 00 20 04 00 00 00 c2 31 90 2c
```

AA 80 03 AB 00 (BL flash, erase application) \*

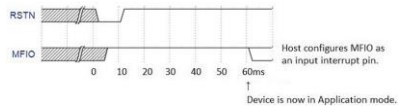
AA 80 04 C2 31 90 ... 9E 6A 0E AB 00 (BL flash, Send Page) \*Send bytes 0x4C to 0x205B

```
00000040 | 02 ed 27 af 1a 00 00 20 04 00 00 00 c2 31 90 2c
00000050 | e4 c8 37 e9 18 92 ad 3b 64 e7 0a ed eb 40 c1 66
0000006f | e2 23 4f 71 d4 6b 98 e3 a7 f9 85 80 7a 4e 17 e7
```

```
00002040 | 9e 7c c0 3c 47 81 91 35 27 4c be cc 2a 7f ab 1f
0000205b | 00 0d d6 ce 6f d4 ee cc b2 9e 6a 0e cc c5 68 92
```

AA 80 04 CC C5 68 ... F7 D6 4C	AB 00	(BL flash, Send Page)	*Send bytes 0x205C to 0x406B
AA 80 04 2E A6 13 ... 84 F7 CF	AB 00	(BL flash, Send Page)	*Send bytes 0x406C to 0x607B
AA 80 04 DF 1F 7F ... 55 AB B8	AB 00	(BL flash, Send Page)	*Send bytes 0x607C to 0x808B
AA 80 04 C4 63 2B ... 48 CD 52	AB 00	(BL flash, Send Page)	*Send bytes 0x808C to 0xA09B
AA 80 04 89 33 22 ... 31 AD 19	AB 00	(BL flash, Send Page)	*Send bytes 0xA09C to 0xC0AB
AA 80 04 8B 97 18 ... F3 CF 90	AB 00	(BL flash, Send Page)	*Send bytes 0xC0AC to 0xE0BB
AA 80 04 D0 78 38 ... 1F 7F 92	AB 00	(BL flash, Send Page)	*Send bytes 0xE0BC to 0x100CB
AA 80 04 B1 E9 8F ... F4 23 D8	AB 00	(BL flash, Send Page)	*Send bytes 0x100CC to 0x120DB
AA 80 04 F8 C6 83 ... F4 24 E2	AB 00	(BL flash, Send Page)	*Send bytes 0x120DC to 0x140EB
AA 80 04 1F 4F 5C ... CC 2E CD	AB 00	(BL flash, Send Page)	*Send bytes 0x140EC to 0x160FB
AA 80 04 40 1F 03 ... 26 EB B9	AB 00	(BL flash, Send Page)	*Send bytes 0x160FC to 0x1810B
AA 80 04 2F D9 B2 ... EE 2A 8F	AB 00	(BL flash, Send Page)	*Send bytes 0x1810C to 0x1A11B
AA 80 04 51 32 47 ... 41 E6 47	AB 00	(BL flash, Send Page)	*Send bytes 0x1A11C to 0x1C12B

AA 80 04 22 A6 06 ... 2A CB 44	AB 00	(BL flash, Send Page)	*Send bytes 0x1C12C to 0x1E13B
AA 80 04 68 9E 1E ... 53 89 E8	AB 00	(BL flash, Send Page)	*Send bytes 0x1E13C to 0x2014B
AA 80 04 5F 1A 6A ... 14 A1 85	AB 00	(BL flash, Send Page)	*Send bytes 0x2014C to 0x2215B
AA 80 04 E8 DE C9 ... 81 D8 00	AB 00	(BL flash, Send Page)	*Send bytes 0x2215C to 0x2416B
AA 80 04 0E D2 16 ... 8D 69 EE	AB 00	(BL flash, Send Page)	*Send bytes 0x2416C to 0x2617B
AA 80 04 2F 4B 38 ... 02 A7 DC	AB 00	(BL flash, Send Page)	*Send bytes 0x2617C to 0x2818B
AA 80 04 A5 FE FD ... E3 38 89	AB 00	(BL flash, Send Page)	*Send bytes 0x2818C to 0x2A19B
AA 80 04 52 88 9A ... F0 C5 9D	AB 00	(BL flash, Send Page)	*Send bytes 0x2A19C to 0x2C1AB
AA 80 04 A3 A6 92 ... A0 4D BE	AB 00	(BL flash, Send Page)	*Send bytes 0x2C1AC to 0x2E1BB
AA 80 04 47 09 75 ... 24 BD 3D	AB 00	(BL flash, Send Page)	*Send bytes 0x2E1BC to 0x301CB
AA 80 04 44 EC E6 ... BC C9 5E	AB 00	(BL flash, Send Page)	*Send bytes 0x301CC to 0x321DB
AA 80 04 D3 58 34 ... 62 00 37	AB 00	(BL flash, Send Page)	*Send bytes 0x321DC to 0x341EB



Place MAX32664 into application mode

AA 20 00	AB 00 00	(Read mode)	+no errors, normal mode
AA FF 00	AB 00 01	(Get ID, MCU Type)	MCU is MAX32660, MAX32664
AA FF 03	AB 00 01 08 02	(Get ID, FW ver)	v1.8.2
AA 42 03	AB 02 00 01 24	(Get ID, reg attr, MAX30101)	+1 byte wide, number reg = 36
AA 41 03 07	AB 00	(Read Reg, MAX30101)	Reg 7 is 0