

STC Upgrade tutorial

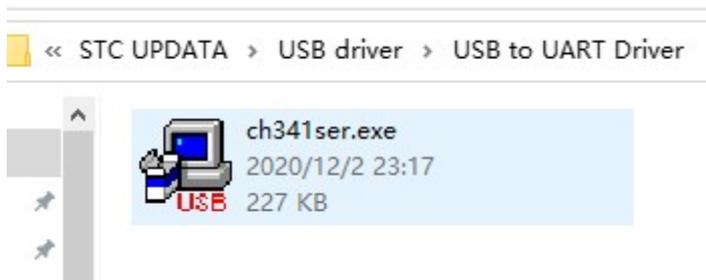
First step:

Install driver

1. Connect the programmer to the computer, as shown in the figure (the color of the housing is not fixed):



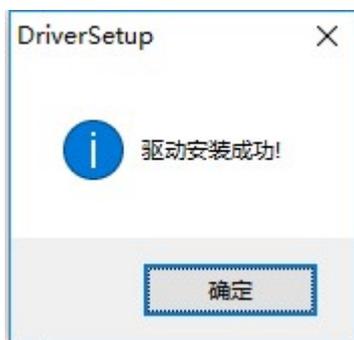
2. Run ch341ser in the driver folder:



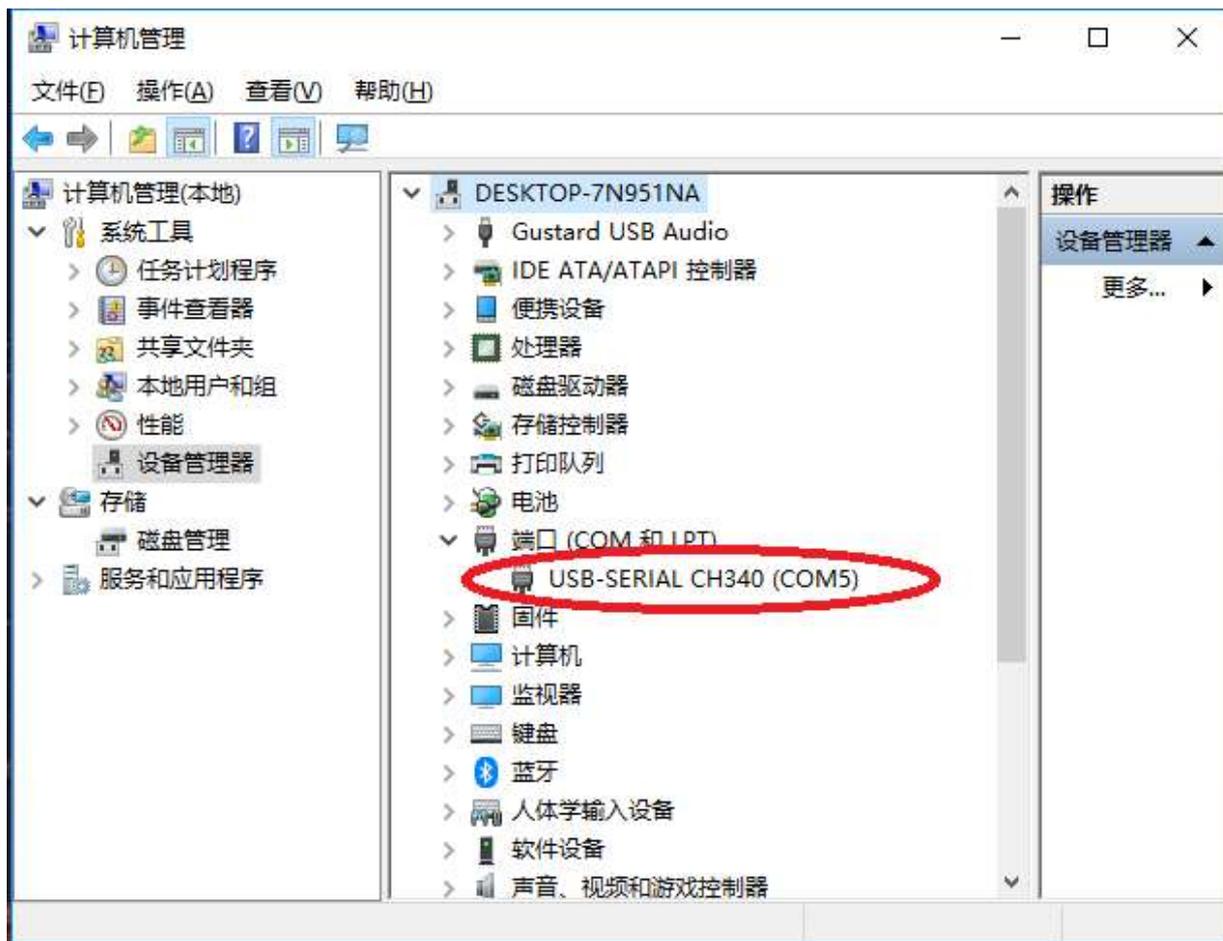
3. Click install



4. Successful installation



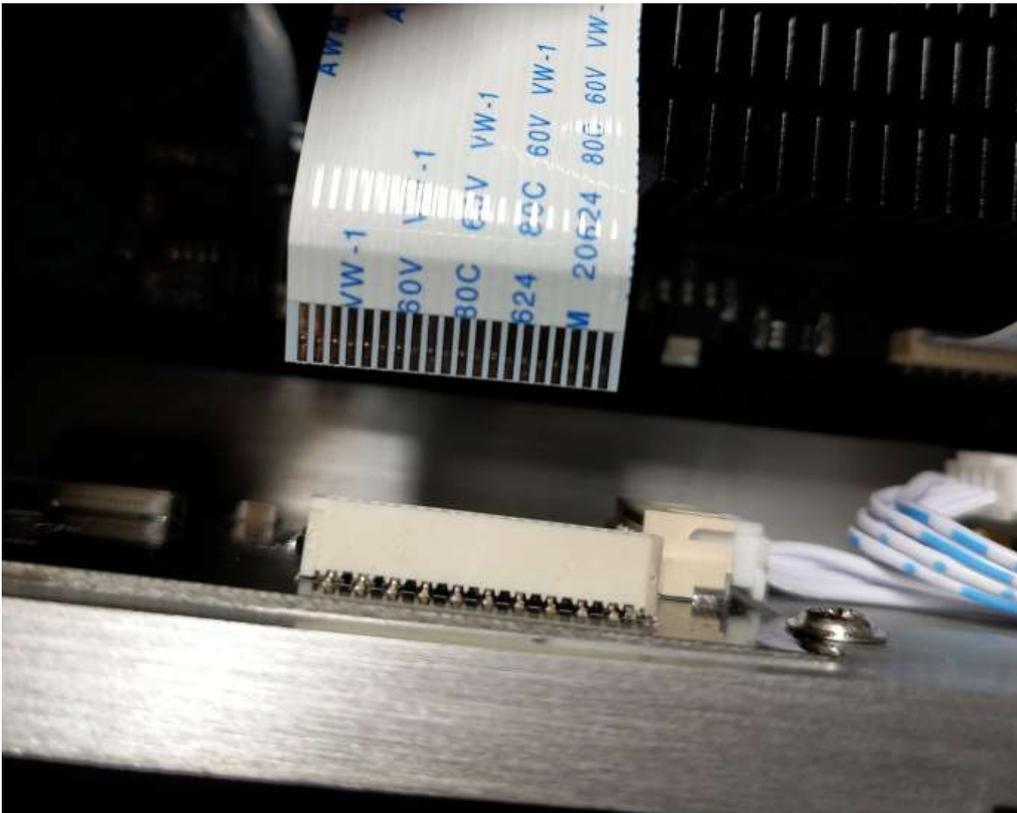
5. Check whether the programmer already exists on the computer, please remember the number after "COM", the number is random, not necessarily the same as the picture.



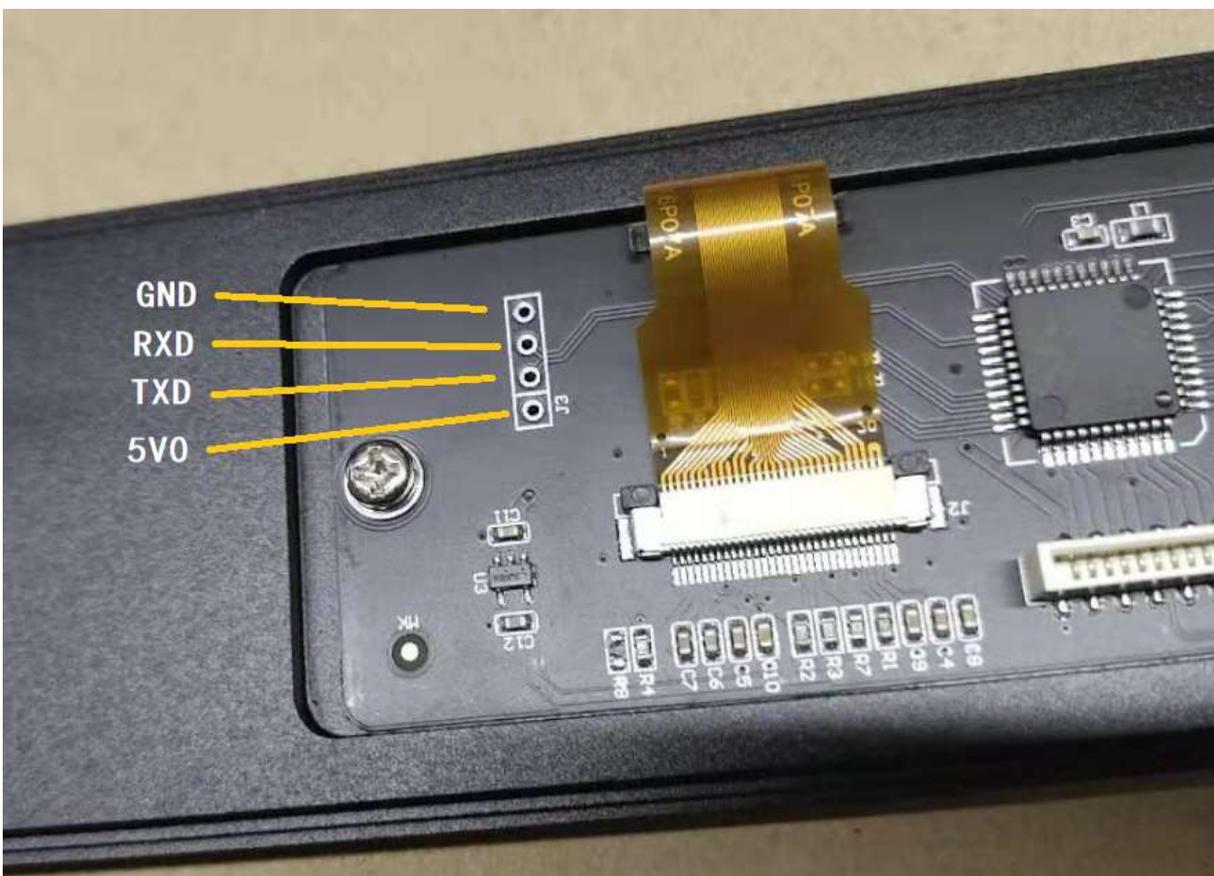
The second step:

Programmer connection A18 display board

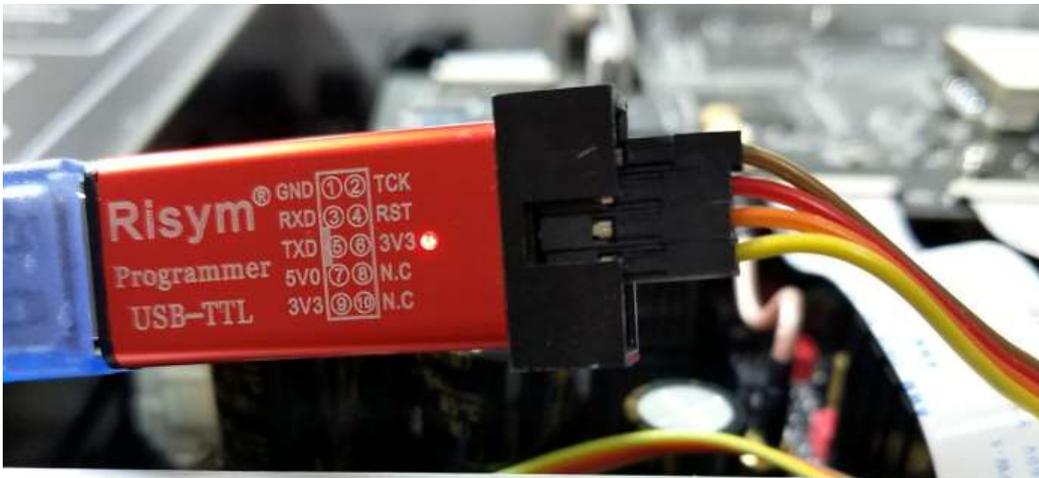
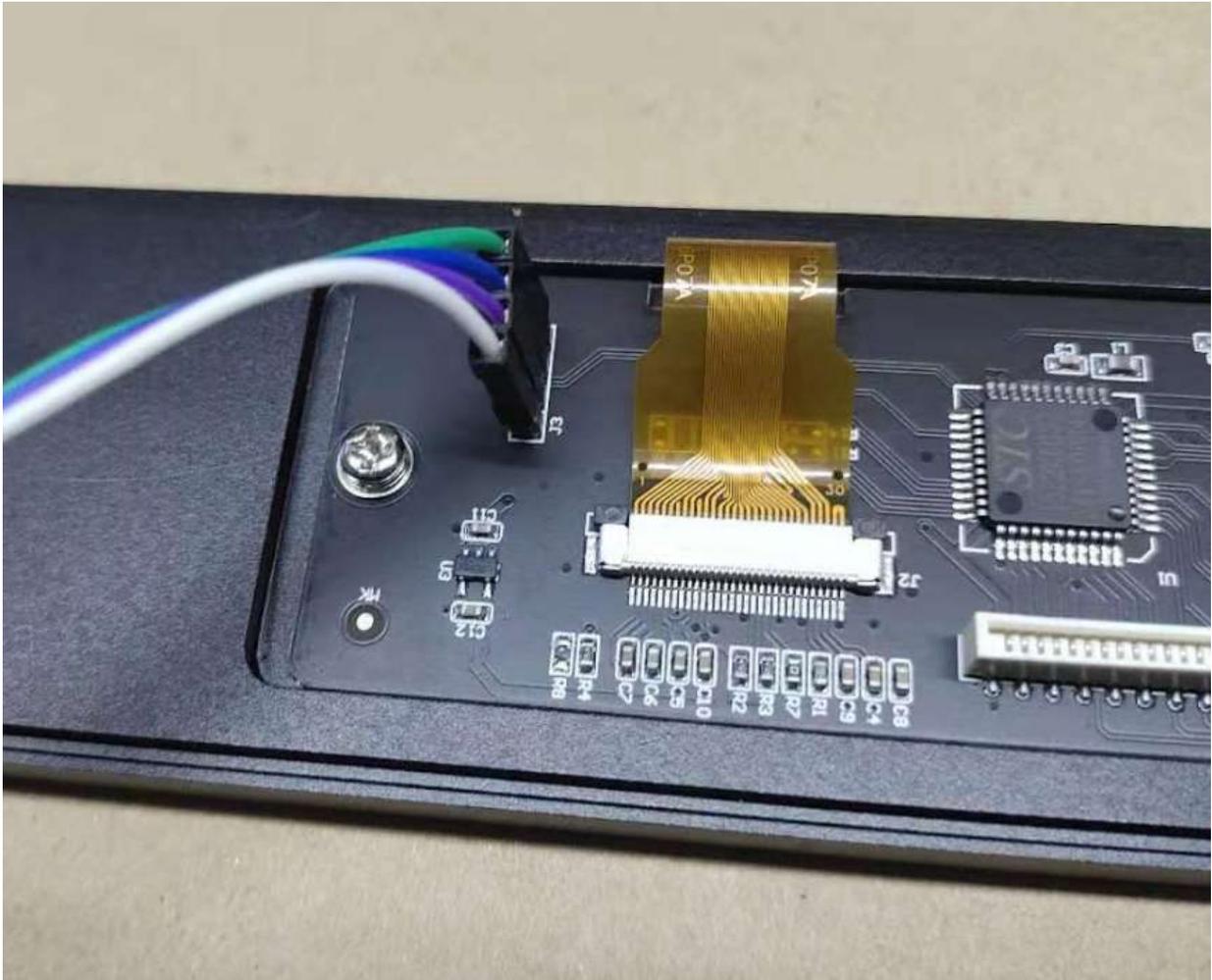
1. First unplug the display board cable



2. Connect the programmer and display board:

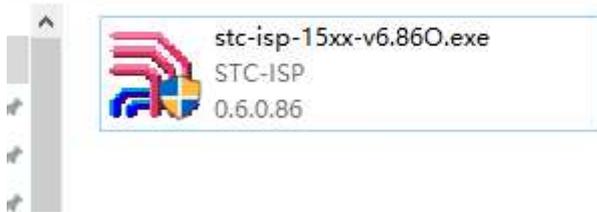


After connecting, the programmer is also connected to the computer USB. The screen can be run.



3. Run the upgrade program:

<< STC UPDATA > Upgrade program > stc-isp-15xx-v6.86O



Close the notification of the software, and confirm any prompt points. COM number select the number displayed when the driver is just installed.

STC-ISP (V6.86O) (Sales: 0513-55012928) Web:www.STCMCUDATA.com (Support QQ:800003751) pc.:RMB...

MCU Type: STC15F2K60S2 Pins: Auto

COM Port: USB-SERIAL CH340 (COM11) Scan

Min Baud: 2400 Max Baud: 115200

Address: 0x0000 Clear code buffer Open Code File

0x0000 Clear EEPROM buffer Open EEPROM File

H/W Option: Off-Line Download(U8/U7) Encrypt

Select system clock source(External /Internal) Input IRC frequency: 11.0592 MHz

Oscillator high gain

Using fast download mode

Next time can program only when P3.2 & P3

Enable longer power-on-reset latency

RESET pin used as I/O port

Enable Low-Voltage reset LVD detect level: 3.82 V

Inhibit EEPROM operation under Low-Voltage

Hardware enable WDT after power-on-reset Watch-Dog-Timer prescal.: 256

Download/Program Stop Re-Program

Check MCU Notice Delay 3 se.

Auto reload the target file before each program

Reload and download when target file is modified

Recommend Book COM Helper Keil ICE Settings MCU Selection/Price/Samp]

Filter: Voltage * ROM Size * RAM Size * I/O *

Find * UART * ADC PCA/PWM CCP/DAC SPI EEPROM Comparator

Internal IRC ICE support Encode Download Support upgrade user password USB download

MCU Type	Voltage(V)	ROM	SRAM	EEPROM	I/O	Timer
STC8A8K16S4A12	5.5-2.0	16K	8192	48K	59	5
STC8A8K32S4A12	5.5-2.0	32K	8192	32K	59	5
STC8A8K60S4A12	5.5-2.0	60K	8192	4K	59	5
STC8A8K64S4A12	5.5-2.0	64K	8192	IAP	59	5
STC8A4K16S4A12	5.5-2.0	16K	4096	48K	59	5
STC8A4K32S4A12	5.5-2.0	32K	4096	32K	59	5
STC8A4K60S4A12	5.5-2.0	60K	4096	4K	59	5
STC8A4K64S4A12	5.5-2.0	64K	4096	IAP	59	5
STC8F2K16S4	5.5-2.0	16K	2048	48K	42	5
STC8F2K32S4	5.5-2.0	32K	2048	32K	42	5

芯片型号: STC15F2K60S2

关于此芯片的重要说明:
有定时器0, 定时器1和定时器2
有两个硬件串口 (UART1和UART2)
有SPI (只可用作主模式, 从模式不可用)
有3路PCA/PWM/CCP (可用作DAC)
有8通道10位精度的A/D

Release Project Release Help Get HDD-SN Beep PassTimes: 122 Reset

- Click on the Check MCU option, the program will automatically detect the correct MCU model, and confirm with any prompt.

STC-ISP (V6.86O) (Sales: 0513-55012928) Web:www.STCMCUDATA.com (Support QQ:800003751) pc::RMB...

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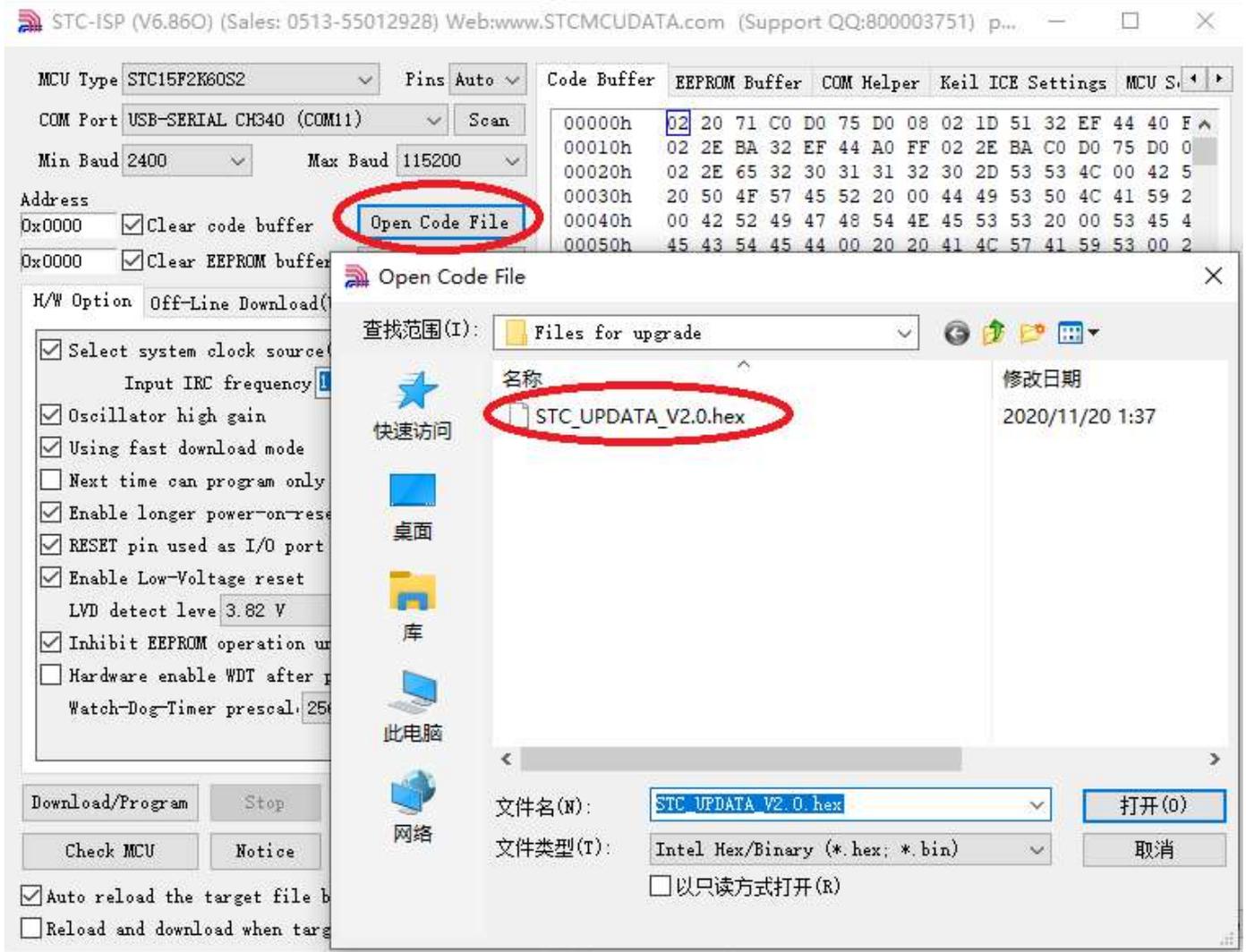
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. Reference voltage: 1233 mV (Range: 1150~1320mV)
. Testing time: 2020-4-7

. MCU type: STC15F2K60S2
F/W version: 7.2.5S

Complete ! (2020-12-04 13:54:00)

- Open the upgrade program file, STC_UPDATA_V2.0.



6. Click "Download/Program" to start programming, there is a progress bar indicating. The word "Complete" will be

displayed after the download is complete

STC-ISP (V6.860) (Sales: 0513-55012928) Web:www.STCMCUDATA.com (Support QQ:800003751) pc.:RMB...

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Code Buffer

00000h	02	20	71	C0	D0	75	D0	08	02	1D	51	32	EF	44	40	FF	
00010h	02	2E	BA	32	EF	44	A0	FF	02	2E	BA	C0	D0	75	D0	08	..
00020h	02	2E	65	32	30	31	31	32	30	2D	53	53	4C	00	42	54	..
00030h	20	50	4F	57	45	52	20	00	44	49	53	50	4C	41	59	20	P
00040h	00	42	52	49	47	48	54	4E	45	53	53	20	00	53	45	4C	.B
00050h	45	43	54	45	44	00	20	20	41	4C	57	41	59	53	00	20	EC
00060h	45	4E	41	42	4C	45	00	44	49	53	41	42	4C	45	00	41	EN
00070h	55	54	4F	20	4F	46	46	00	00	00	00	00	00	00	42	7F	UT
00080h	40	60	60	00	36	36	00	00	00	00	00	00	00	00	00	00	@`
00090h	00	08	1C	3E	7F	00	00	00	00	00	00	00	3E	1C	08	00	..
000A0h	00	3E	00	3E	00	11	39	7D	11	0E	00	00	00	00	00	00	..>
000B0h	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	..
000C0h	00	00	00	08	08	3E	08	08	00	00	00	00	00	08	08	08	..
000D0h	08	08	00	60	60	00	00	20	10	08	04	02	3E	51	49	45	..
000E0h	3E	00	42	7F	40	00	42	61	51	49	46	21	41	45	4B	31	>.
000F0h	18	14	12	7F	10	27	45	45	45	39	3C	4A	49	49	30	01	..
00100h	71	09	05	03	36	49	49	49	36	06	49	49	29	1E	00	00	q.

Code-Size: 316BH Checksum: OE277EH Fill-Buffer Clear-Buffer Save-Buffer

F/W version: 7.2.5S

. Set frequency: 11.059MHz

. Adjusted frequency: 11.063MHz

. Trim error: 0.033%

Download/Program Stop Re-Program

Check MCU Notice Delay 3 se

Complete ! (2020-12-04 14:05:15)

C:\Users\evang\Desktop\A18 UpGRADE\STC UPDATA\Files fo... \STC_UPDATA_V2.0.hex

Release Project Release Help Get HDD-SN Beep PassTimes: 123 Reset

- Unplug the programmer after successful operation.
And plug the A18 motherboard cable back into the display board.