BTT TFT35 V2.0 Bootloader flashing guide (CH340 debugger)

1. Download FlyMcu

https://drive.google.com/file/d/1hDS0_tiPa3EGrr34oiXl7z4gcTtiMvA8/view?usp=sharing 2. Connect the CH340 debugger to the RS232 port on BTT TFT35 V2.0

TX<->RX RX<->TX GND<->GND 5V<->5V



3. Install the CH340 driver software (You can find it in internet), then connect the TFT35 and CH340 debugger module to the computer.



4.	Open	FlyMcu,	select	the	file	BIQ	U_TFT35_	V2.0_	bootl	oader.bin	
	FlyMcu V0.1	88MCU In 9	System Progr	ammerww	w.mcuisp	o.com					23
5	System Help	Language	EnumPort	Port:COM1	bps:11	5200	www.mcuisp.c	om Program	mer Ab	out	
- (Code File For Onli	ine ISP:						,			
[FT35_V2.0USB-1	℡烧录引导程	序\BIQU_TFT35	5_V2.0_bootloa	der.hex (📝 Auto Re	eload Before Pr	ogram		
H	HandHeld eLoade	er STM ISP F	ree STM IAP	NXP ISP EP96	8_RS232						~
			Verify								
	Start	ISP(P)	Run After	ISP complete							
			Continue F	Program							
	Read ChipInfo(R) Erase C	hip(Z)	ReadFlash							
	Option Bytes:										
	V Program Opti	onBytes when I	SP								
	Setting(Option	nBytes)									
	Reset@DTR High	(>+3V),ISP@R	TS High		-						-
											57
	FlyMcu V0.1	188MCU In	System Prog	rammerwv	/w.mcuis	p.com					63
-	System Help	Language	EnumPort	Port:COM1	bps:11	15200	www.mcuisp.	com,Program	mmer Ab	out	
	🔀 Select Pro	gram File To I	ISP				T and	-	-	L	23
	00-	K FileRec	V FTT35_V	2.0USB-TTL	烧录引导和	望序 ▶	•	↔ 搜索	TFT35_V2.	OUSB-TTL烧	<mark>م</mark>
	组织 ▼	新建文件夹							3==	•	0
	A 11-11-1-		名称		^		修改E	朝	类型		大小
	文収織天			<u>.</u>			12 MAR	1712			
	📙 卜载		J FlyMC	CU			2019/	/9/20 15:09	文件夹		0
	📃 桌面		BIQU	_TFT35_V2.0	_bootloa	der.he	x 2018/	/12/4 15:31	HEX 文	件	
	圖 最近;	方问的位置 _									
	2345	下载									
	E E										
	11 视频										
	📔 图片										
	📑 文档										
	⊿ 音乐										
			•		_		III				•
		文件	名(N): BIOU	TFT35 V2.0	bootload	der.he	(✓ File for	rmat:hex,a	79,sim,msp	4
								打开	Ŧ(O)	取消	-

5. Choose these 2 options

system Help Language EnumPort Port: COVI bps: 15200 www.mcuisp.comProgram	ner About
Code File For Online ISP:	Aboutin
FT35_V2.0USB-TTL_烧录引导程序\BIQU_TFT35_V2.0_bootloader.hex 🛄 🛛 Auto Reload Before Pro	gram
HandHeld eLoader STM ISP Free STM IAP NXP ISP EP968_RS232 Start ISP(P)	
Program OptionBytes when ISP Setting(OptionBytes)	

6. Click "EnumPort" and "Port:COM1" to select the correct serial port

FlyMcu V0.18	38MCU Ir	n System Prog	rammerww	w.mcuisp.com			ΣiS
System Help	Language	e EnumPort	Port:COM1	bps:115200	www.mcuisp.com,Programmer	About	
Code File For Onlin	ne ISP:	1	2				
FT35_V2.0USB-T	n.烧录引导和	程序\BIQU_TFT3	5_V2.0_bootloa	der.hex	📝 Auto Reload Before Program		
HandHeld eLoade	STM ISP	Free STM IAP	NXP ISP EP96	3_RS232			-
Start I	SP(P)	Verify Run After Use RamI Continue	ISP complete sp Program				
Read ChipInfo(R	.) Erase	Chip(Z)	ReadFlash				
Option Bytes:							
V Program Optic	nBytes wher	1 ISP					
Catting (Option	Puter 1						
Setung(Option	bytes)						
Reset@DTR High(>+3V),ISP@RTS High							
							_

FlyMcu V0.188MCU In System Programmerwww.mcuisp.com	
System Help Language EnumPort Port:COM1 bps:115200 www.mcuisp.com,Programmer , Code File For Online ISP: FT35_V2.0USB-TTL烧录引导程序\BIQU_TFT3 COM10 : Free USB-SERIAL CH340	About
FT35_V2.0USB-TTL/挽录引导程序/BIQU_TFT3 COM10 : Free USB-SERIAL CH340 HandHeld eLoader STM ISP Free STM IAP NXP ISP EP968_RS232 Start ISP(P) Verify Van After ISP complete Use RamIsp Continue Program Read ChipInfo(R) Erase Chip(Z) ReadFlash Option Bytes: V Program OptionBytes when ISP Setting(OptionBytes) Setting(OptionBytes) Verify Verify Verify	
Reset@DTR High(>+3V),ISP@RTS High	Ŧ

7. Use a tweezer or any other tool to connect the position shown. Hold the connection and press reset button then the screen will turn white.



8. Click "Start ISP" to flash the bootloader	
🔯 FlyMcu V0.188MCU In System Programmerwww.mcuisp.com	23
System Help Language EnumPort Port:COM10 bps:115200 www.mcuisp.com,Programmer About Code File For Online ISP: FT35_V2.0USB-TTL 烧录引导程序\BIQU_TFT35_V2.0_bootloader.hex	
HandHeld eLoader STM ISP Free STM IAP NXP ISP EP968_RS232 Start ISP(P) Verfy Read ChipInfo(R) Erase Chip(Z) ReadFlash Option Bytes: Program OptionBytes when ISP Setting(OptionBytes)	*
Reset@DTR High(>+3V),ISP@RTS High	-
10	

9. The bootloader flashing is finished

FlyMcu V0.188MCU In System Programmerwww.mcuisp.c	com 🗆 📼 💌
System Help Language EnumPort Port:COM10 bps:11	5200 www.mcuisp.com,Programmer About
Code File For Online ISP: FT35_V2.0USB-TTL烧录引导程序\BIQU_TFT35_V2.0_bootloader.hex	, Auto Reload Before Program
HandHeld eLoader STM ISP Free STM IAP NXP ISP EP968_RS232	Delay 100ms DTR be Low(-312V), Reset Released RTS keep High Connectting5, Received:1F 1F Connect Ok @COM10@115200bps,@796ms BootLoader Version:2.2 PID:0000414 STM32F10xxx_High-density OptionBytes readout: A55AFF00FF00FF00FF00FF00FF00 96bit unique device ID: [32FFD5054154373229551957] [05D5F32 32375441 57195529] FLASH ROM size:256KB SRAM size:65335KB(For reference only!!!) @843ms,Ready for Program Write 10KB Ok,100%,@5320ms Write Option Bytes: A5 SA FF 00 FF 00 FF 00 FF 00 FF 00 FF 00 FF 00 Write Option Bytes Ok OptionBytes JustWrited: A55AFF00FF00FF00FF00FF00FF00FF00 Go from 08000000 FailedMaybe Writed OptionBytes just before!!! www.mcuisp.com(Versatile Handy Programmer EP968,World's first):Mission Complete,Anything Ok!!!
Reset@DTR High(>+3V),ISP@RTS High	