

E220-xxxXBX-SC series evaluation kit user manual

New Package Compatible Sub-1G Wireless Module Kit

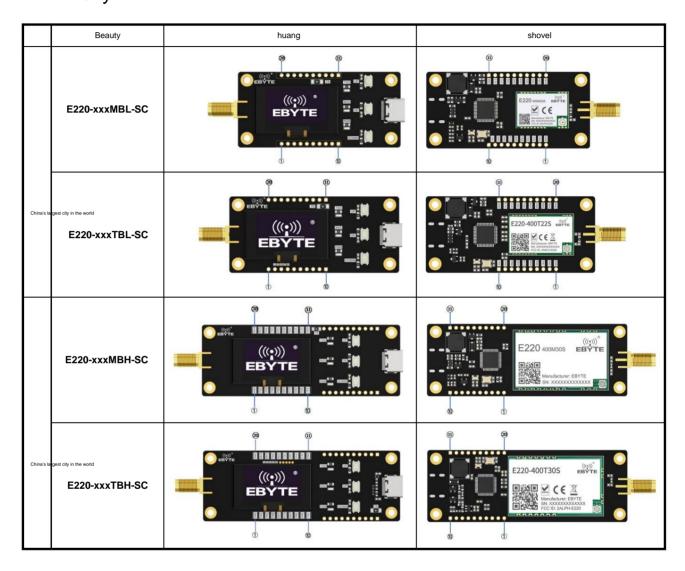




ÿÿÿProduct Overview	2
1.1 Product Introduction	2
1.2 Feature Introduction	3
1.3 Compatible List	5 1.4
Power supply recommended	ÿÿÿÿÿ!ÿÿÿÿÿ.
1.5 ÿÿÿÿ ÿÿ	6
Second Chapter Software Introduction	7
2.1 Development environment	
7 2.2 Catalog structure	8
ÿÿÿ QUICK DEMONSTRATION	9
3.1 Menu	9.
Fourth Chapter Common Problems	12
4.1 Transmission distance not ideal	12
4.2 Module damage	12 4.3 ÿÿÿÿ
ÿ12	
Revision history	13
About us13	

Snow White Snow White

1.1 Firefly



SC series evaluation kit designed to help users speed up evaluation

Since the two-way thread can be adjusted by the developer according to the actual needs, it can easily connect multiple external devices through the cable, which makes it easier for the developer to carry out secondary development.

This kit provides complete software application examples, helping customers get started quickly with wireless data communication development. Can be loaded with different types of Sub-1G wireless networks according to customer needs

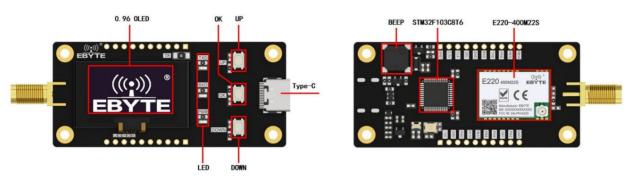
The module that already supports the module has pin compatible packaging, and can be quickly replaced.

(%;)))
EBYTE ÿÿÿÿElectronic Technology Co., Ltd.

1.2 Firefly

	xxMBL/MBH-SC	Exx-xxxTBL/TBH-SC			
Yellow Rive	r	Yellow River	Yellow Rive	r	Yellow River
1	GND Pho	o Gallery	1	GND Pho	oto Gallery
2	PA2	MCU_PA2	2	PA2 MCL	J_PA2
3	PA1	MCU_PA1	3	PA1 MC	J_PA1
4	PA0	MCU_PA0	4	PA0 MC	J_PA0
5	PB8	MCU_PB8 Plus	5	NRST M	CU Assembly
6	VBAT MC	U_VBAT	6	PC13 MCU	PC13 Package Contents
7	PC13 MCU_	PC13 Package Contents	7	VBAT MC	CU_VBAT
8	GND Pho	o Gallery	8	PB8 MCU_F	PB8 Package Contents
9	GND Pho	o Gallery	9	GND Pho	oto Gallery
10	+5V 5V po	ower supply	10	+5V 5V p	ower supply
11	GND Pho	o Gallery	11	GND Pho	oto Gallery
12	3.3V	3.3V power backup	12	3.3V 3.3V	power supply
13	CLK	S.W.C.L.K.	13	CLK SW	CLK
14	DIO	SWDIO	14	DIO SW	EDIO
15	GND Pho	o Gallery	15	TXD MC	J_TXD data output pin
16	RXD MCL	J_RXD data input pin	16	RXD MCI	U_RXD data input pin
17	TXD MCU	_TXD data output pin	17	PA8 MCU_F	PA8 Package Contents
18	PA8	MCU_PA8	18	PB15 MCU	PB15 Package Contents
19	PB15 MCU_	PB15 Package Contents	19	PB14 MC	U_PB14 Reference
20	PB14 MC	U_PB14 Reference	20	GND Pho	oto Gallery

1.3 Ice Cream



Reference table top E220-400MBL-SC,SC series other models hardware functions are the same.

huh	0.96 OLED	Show current configurationÿtest parameters and version information etc.		
	UP/UP	Up key, up select or plus, support multiplexes when setting frequency and power		
huang	OK	Confirm key, enter next page or exit last page		
	ÿ/DOWN	Down key, select down or reduce, support multiple points when setting frequency and power.		
thailand	TXD	Transmission indicator, flashes once when sent		
	RXD	Receive indicator, flashes once when received		
	PowerW	power indicator, power light		
thailand	TR	Remove test resistance, enter current table test module current		
Green leaf	BEEEP	China's first female soldier		

1.4 Ice age

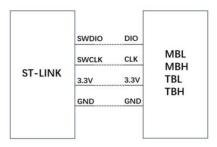
Beautiful life of the house		Blue				
	life of the nouse	MBL-SC TBI	SC MBH-SC T	BH-SC		huang
1 test	board size 30*64mm	1 30*68mm 2 pr	oduction	30*85	5mm	
proces	ss 3 antenna	Beautiful life, Beautiful life				Guaranteed batch consistency and reliability
interfa	ce 3 power	SMA				·
interfa	ce	Туре-С				USB Type-C
4 Big	Tits	3.3V~5.5V				Recommended use of rechargeable power supply for battery testing and evaluation
5 Lifes	style	-40 ~ +85ÿ				·
6 Lifes	style	10%~90%				·
7 Red	head	-40 ~ +125ÿ			·	



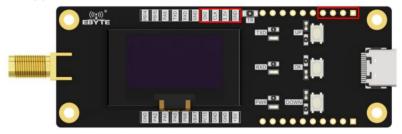
1.5 Lifestyle

	SPI	1	E22-400M22S	E22-400/900MBL-SC	
		2	E22-900M22S	E22-400/900MBL-SC	
		3	E32-400M20S	F00 400/000MPL 00	
		4	E32-900M20S	E32-400/900MBL-SC	
		5	E220-400M22S	F000 400/000MPL 00	
		6	E220-900M22S	E220-400/900MBL-SC	
Beautiful view of the house		7	E22-400T22S	F00 400/000TDL 00	
		8	E22-900T22S	E22-400/900TBL-SC	
		9	E32-433T20S	F22 422/000TDL 00	
	USB Type-C	10	E32-900T20S	E32-433/900TBL-SC	
		11	E220-400T22S	E220 400/000TBL CC	
		12	E220-900T22S	E220-400/900TBL-SC	
Ice Cream Sandwich	SPI	13	E22-400M30S	F22 400/000MPU CC	
		14	E22-900M30S	E22-400/900MBH-SC	
		15	E32-400M30S	E32-400/900MBH-SC	
		16	E32-900M30S	E32-400/900MBH-SC	
		17	E220-400M30S	E220-400/900MBH-SC	
		18	E220-900M30S	E220-400/900IVIBH-SC	
	USB Type-C	19	E22-400T30S	E22-400/900TBH-SC	
		20	E22-900T30S	E22-400/9001BH-3C	
		21	E32-433T30S	E32-433/900TBH-SC	
		22	E32-900T30S	E32-433/9001BH-3C	
		23	E220-400T30S	E220-400/900TBH-SC	
		24	E220-900T30S	E220-400/3001BH-3C	

1.6 Home Remedy



M series: E22-400MBH-SC



T series: E22-400TBL-SC



Via ST-LINK ÿ MCU ÿÿÿÿÿÿÿÿÿ ÿÿÿÿÿ







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2.1 Ice Cream

2.1.1 STM32CubeMX

Download free v6.9.2



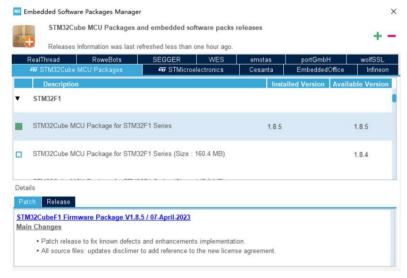


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STM32 firmware version ÿv1.8.5



2.1.2 MDK-ARM

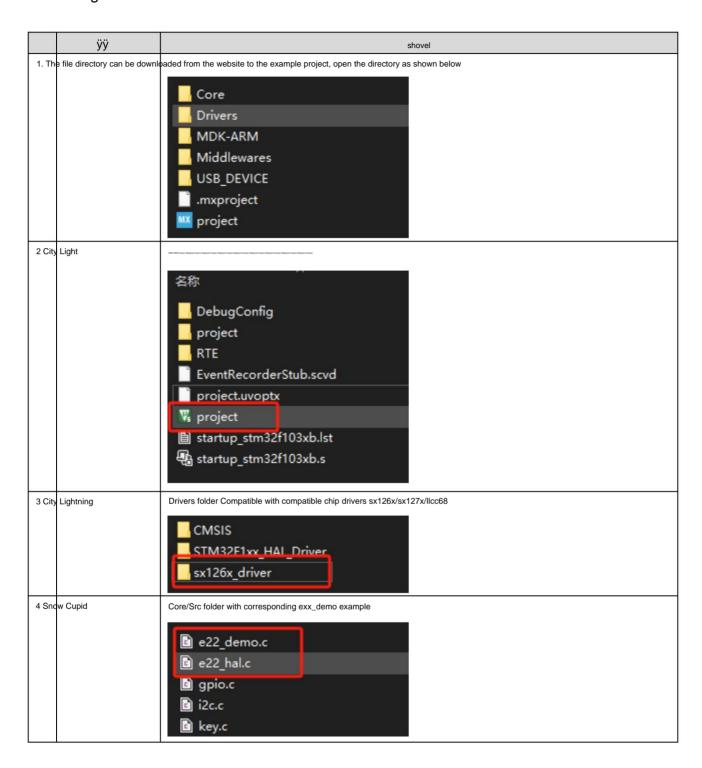
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About µVision





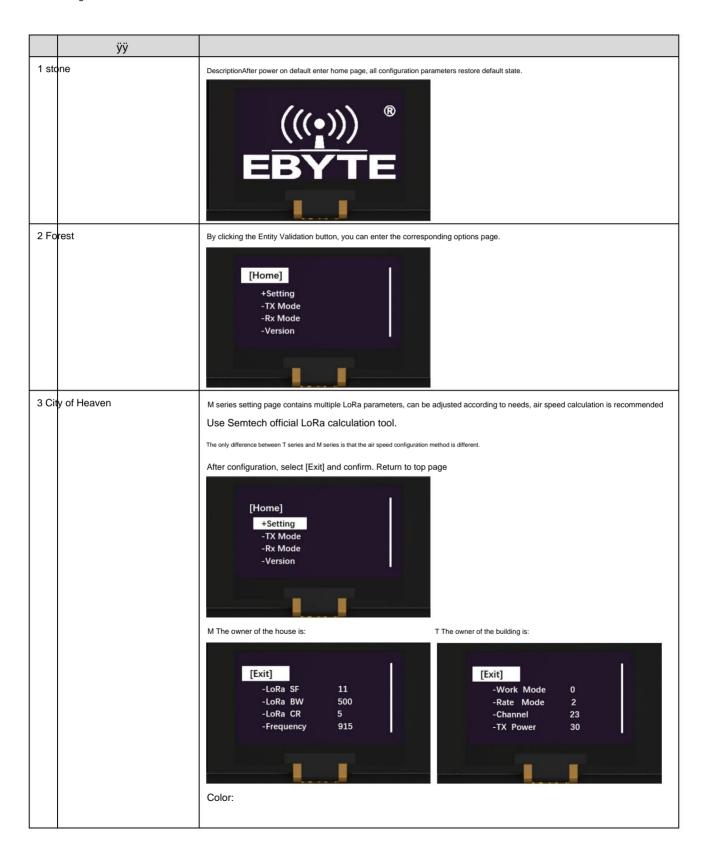
2.2 Ice age



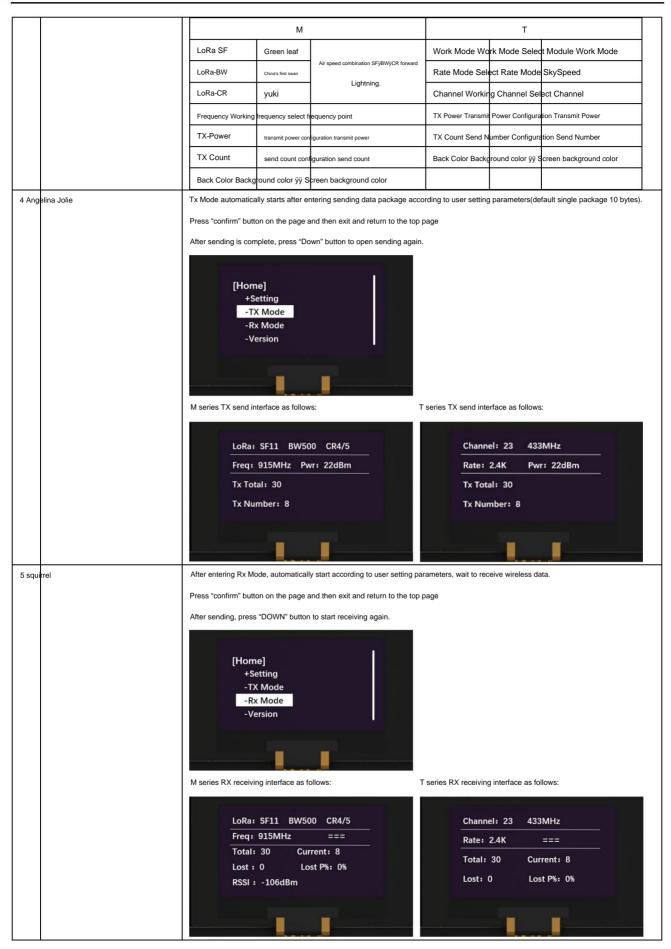


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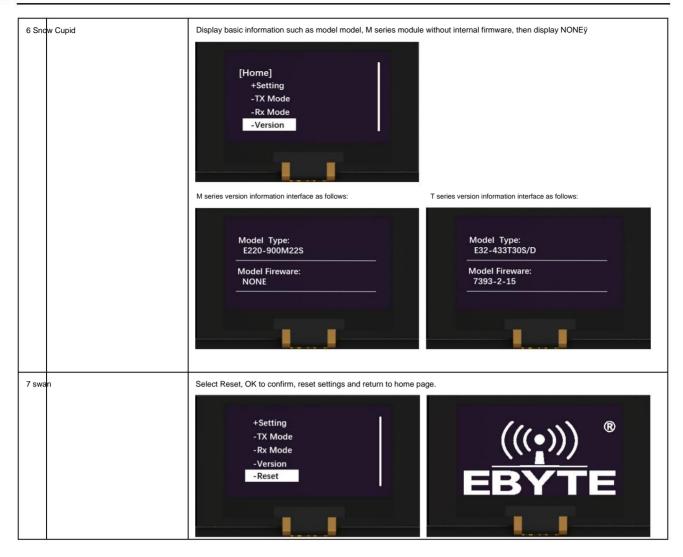
3.1 Breaking news



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4.1 Anti-corruption protection system

ÿWhen there is straight line communication obstruction, the communication distance will be correspondingly reducedÿ

ÿ Temperature, humidity, same frequency interference, will lead to increased data packet loss rateÿ

 $\ddot{\mathbf{y}}$ Ground absorptionÿreflection radio wave, near the ground the test effect is poorÿ

ÿSea water has extremely strong absorption radio wave ability, hence the seashore testing effectÿ

 $\ddot{\textbf{y}} \text{ If there is a metal object near the antenna, or placed inside a metal case, the signal attenuation may be very serious \ddot{\textbf{y}}}$

ÿPower register setting errorÿair speed settingÿÿÿair speed settingÿÿÿÿÿÿÿ

ÿLow power supply voltage is lower than the recommended value at room temperature, voltage is low, power is low, power is low

ÿ The matching degree of the antenna and module is poor or the quality of the antenna itself is problematic.

4.2 Watermelon Seed

ÿPlease check the power supply, ensure it is within the recommended power supply voltage, if exceeding the maximum value may cause permanent damage to the moduleÿ

ÿPlease check power stability, voltage cannot fluctuate frequentlyÿ

ÿPlease ensure that the installation process uses anti-static operation, high-frequency device is sensitive to static electricityÿ

ÿPlease ensure that the humidity during installation and use is not high, some components are moisture sensitive devicesÿ

ÿIf there are no special requirements, it is not recommended to use at high or low temperatures.

4.3 Redhead

ÿ Nearby there are similar frequency signal interference, away from interference or modified frequency, channel interferenceÿ

 \ddot{y} If the power supply is not ideal, it may cause some code, so as to ensure the reliability of the power supply.

ÿ Extension line, feed line quality difference or too long, will also cause high error code rate.



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Natural beauty

green	firecracker	Home > Products >	green light
1.0	2024-9-2	Cosmetics > Cosmetics	Lei

Yellow River



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