TENWAY BF-480 V1.0 Software Programming Step

Software operating environment Win7 / Win10. Currently the software does not support Mac OS system

Note :WIN 7 needs to install USB Drive.

WIN10 doesn't need to install USB Drive under normal conditions. If the USB driver cannot be recognized, it is recommended to install it.

Make sure Radio is powered on and connect to Compute using Cable.

Step1. Open [BF-480 V1.0] File

1.1.1 Find the software file [BF-480 V1.0] click to open



Step2. Open BF-480.exe

2.1.1 In the folder to find the software to open the [BF-480.exe]



BF-480									
<u>F</u> ile <u>E</u> dit	Program Setu	np <u>V</u> iew <u>H</u> elp)						
0 📽 🖬 🛛	2 8 3	📕 🧼 Mode	e Type: BF-4	BO(UNEF) Fre	quency: 45	0 - 470MHz			
🛔 Channel Ir	formation								
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
1									
2		¢							
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4								A(V)	
5			CU				C		
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8		-00°				LaO	1.		
9		CO				<u> </u>			
10		1							
11	-10				10				
12	NV ·								
13									
14			1	KU-					
15								1	
16	s								
10									

2.1.2 BF-480 software interface

Step3. Language Setup

3.1 English Interface

3.1.1See the Software interface to click [Setup] to jump out of the option bar in the option bar is the lowest [Language File Setup] Click.

BF-480									
<u>F</u> ile <u>E</u> dit	Program Setu	np <u>V</u> iew <u>H</u> elp	>						
D 🖻 🖬 🗌		Model Informati	ion : BF-	180 (UHF) Fre	quency: 450	0 - 470MHz			
Channel Ir	nformation	Communication I Language File S	Port						
Channel No.	RX Frequency	IN Frequency	wirner Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
1									
2									
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13	1	1		KO					
14									
15									
16									
-		1	1.	.1.	1	h	F		

3.1.2 Click to jump out Language File Setup to choose Language Mode [Chinese] or [English] and then press [Ok]

BF-480										
<u>F</u> ile <u>E</u> dit	<u>P</u> rogram <u>S</u> et	up <u>V</u> iew <u>H</u> elj	,							
0 🗳 🖬	2 5 3	📑 🧇 Mod	e Type:BF-4	0 (UHF) Fre	quency: 450) - 470MHz				
Channel I	nformation					~		(
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout	
1										
2							-			
3										all U alt
4										
5										(),
6										
7										
8									114	
9										a dei
10										alt alt
11										
12								NOE.		
13										
14	VIV									
15										
16										
										Language Mode: English
1										Chinese LC English
	- 0		- 6	0		- 0			-	Ük Lancel
	0900		a cal	9		000		0	<u>a</u>	
1.	in'	1	- Ai		Carlo a	20		1 al	4	leading leading
12:15	2-1	(a)			alt		5	235		al al

3.2 Chinese Interface

3.2.1 See the Software interface to click [设置(<u>S</u>)] to jump out of the option bar in the option bar is the lowest [语言设置(L)]Click.

件团编	揖(E)	编	₹®)	设置(S)	视图(2) 帮助0	D					
📽 📓		6		机型	言息(四)	型: BF-4	80 (UHF)	频室: 45	0 - 470MHz			
(古道)(古田				通信	高口 (C)		<i></i>				14	
	1	leter 1 la at 2	tuter.	语言	公司 置行	nor AUT	or (portizi)	W-BJ-FLW		101th Teles	1642/01/2	
信迴備亏	-	援収列	(半	反刑列(3	r 4	IFUQI用#FF	UI/DUI(開始)	反射归年	见/乍	扫描添加	相列用利	繁忙 清迴 现定
1												
2												
3												
4												
5					1							
6												
7												
8												
9												
10							V0.					
11							NO.					
12												
13												
14												
15												
16												

3.2.2 Click to jump out 语言设置--语言模式: Choose [英文] and then press [确定]

這道信息								(
道编号	接收频率	发射频率	QT/DQT解码	QT/DQT编码	发射功率	宽/窄	扫描添加	拍频偏移	繁忙信道锁定	~	
1										ASY \	
2			-	-						E THE	ALL.
3				<i>p</i>						(3)4())	1377
4					\rightarrow						
6				\square							
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8		-								0.0	
9										A	-
10										- Clean	ST.
11										13-	12-
12	1						1				
13		10-7									
14										~	
15										~Q.U	
16	1								(黄语言の男	
										and a second second second	
										语言模式: 中文	

Step4. Communication Port Choose

4.1.1See the Software interface to click [Setup] to jump out of the option bar in the option bar is the lowest [Communication Port] Click.

BF-480									
<u>F</u> ile <u>E</u> dit	Program Setu	up ∐iew <u>H</u> elp	_						
	2 5	Model Information	BF-4	80 (WHF) Fre	quency: 450	0 - 470MHz			
Channel In	nformation	Compunication Port Language File Setup		Loning		uu (37			
Channel No.	Ki frequency	IN Frequency Q17	mat Dec	Q1/DQI Enc	IX Fower	W/N	Scan Add	Beat Shift	Busy Lockout
1			U.						
2			4				$\mathbb{N}()$		
3			_						
4							1.		
5		NV.				V.A.			
6		· ·			$\Box \Delta$	<u> </u>			
7	LNC	2			NO	2			
8									
9	N			40					
10				NO.					
11									
12									
13									
14	1								
15									
16									
				1.					· · · · · · · · · · · · · · · · · · ·

4.1.2 Click to jump out Communication Port to choose Port [COM(n)] and then press [Ok]. Note: Radio connects to compute, the system will automatically recognize the COM port.

BF-480											
File Edit	Program Setu	np <u>V</u> iew <u>H</u> elj	P								
		And w Mod	e Type: BF-4	su(onr) Fre	quency: 45	0 - 470MHz					
Channel In	nformation							(\wedge	
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout		
1											
2											- Car
3						_				(B)I	1231
4	0			$\Delta \simeq$					$\sim \bigcirc$		
5									AV		
6			h(-)								
7											
8			<u> </u>					H-C		A:00	
10										a la sur	
11		A -					++ O	8		1300	1377
12	MA					100	\mathbb{N}^{\times}			~	-
13											
14	1				- 26	\overline{D}				~	
15	1				11					0.0	
16										A TO	
										Communication Port	
										Port: COM3	
1											Cancel
	-0		~	0		-0			-		Gaucer
	A800		A.93	9		A CO		6	300	KING	

Step5. Function Setting

5.1.1See the Software interface to click [Edit] to jump out of the option bar in the option bar is the lowest [Function Setting] Click.

BF-4	180									
File	Edit	<u>P</u> rogram <u>S</u> etu	np <u>V</u> iew	Help						
	Ch	annel Edit	F11	Mode Type: BF-	180 (WHF) Fre	quency: 450) - 470MHz			
	<u>B</u> a	tch Channel Edi	t F10		2					
	Fu	nction <u>S</u> etting	_							
Chan	nei No.	NV LLEADENCA	IN Freque	ncy QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
	1									
	2			(\mathbf{D})						
	3									
	4									
	5									
	6	VO.								
	7	107				RO.				
	8	\mathcal{O} a								
	9	N			10					
	10				197					
	11									
	12									
	13									
	14									
	15									
	16									

5.1.2 Click to jump out [Function Setting] Window, Find [Mic Sensitivity] to choose [English] and then press [Ok].

Note: Ensure that the channel broadcast voice is English

B B	F-480												
File	e <u>E</u> dit	Program	Setup	o <u>V</u> iew	Help								
	🖻 🖬	2 6		۱	Mode	Type:	BF-48	0(UNF) Fre	quency: 45	0 - 470MH	z		
	Channel I	nformation	n										
Ch	annel No.	RX Frequ	iency	TX Frequ	ency	QT/DQT	Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
	1				_	\Box					Jal		
	2				(((((((((((((((((((-	unction Sett	ina				x
	3				MA			unction sett	ing				
	4			A	~		Sq	uelch level	5		'ox		
	5			<u> </u>				Side Key	Monmome		VOX Funct	ion	
	6	0	$\overline{\mathbf{N}}$					TV T: 0	190		VOX Gain Lev	rel 5	
	7	NIC	~)					IA lime Out	100		📃 VOX Inh	ibit OnReceiv	ve
	8	N						Scan	ON				
	9						5	Voice	ON	-	📝 Battery S	ave	
	10						Mic	Sensitivity	English	-	🔽 Clew Voic	e	
	11						т	ncent Alerm	English		🔽 High Vol	Inhibit Tx	
	12						-	ncept naam	Chinese		I Low Vol T	nhihit Tv	
	13							收音机	Turn on		Jon For 1		
	14										QK	Gancel	
	15									_			
	16												
1		5-26)											

Step6. Read Channel Date form Radio

6.1.1	First	operation:	Click Re	ad icon	٢.
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File Edit	Program Setu	n View Helm											
		Jere Real		000000 0		0 - 47089							
		Ek 🧇 Mod	e lype: Br-4	so(our) Fre	quency: 45	U - 4TUMAZ							
Channel Information													
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout				
1							-						
2								4					
3						1							
4													
5													
6						0							
7	LAV.	P			LAN	1							
8	NOJ				101								
9	14				N								
10	<u> </u>			101					-				
11			1	<u>NO.</u>									
12				No. of the second secon									
13													
14													
15													
16													
16]												

6.1.2 **Second operation:** See the Software interface to click [Program] to jump out of the option bar in the option bar is the lowest [Read From Radio] Click.

BF-480				-					
<u>F</u> ile <u>E</u> dit	Program Setu	ıp <u>V</u> iew <u>H</u> elg	2						
0 🗃 🖬 📗	<u>R</u> ead From	Radio Ctrl+R	Type: BF-44	30 (WHF) Fre	quency: 45	0 - 470MHz			
44	<u>W</u> rite To R	adio Ctrl+W		\sim				0	
Channel Ir	nformation			$\Delta $					
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
1									
2		5.1						1	
3									
4									
5	1	CO				KO.			
6									
7									
8	2UQ								
9	1 v								
10				R A					
11									
12									
13									
14									
15									
16									
		1					1	I	

6.2.1 Click to jump out Read date From radio [Ok]





6.1.3 Click to jump out Confirmation -- Reading Completed [确定]

Step7. Edit Channel Date

7.1 Edit RX Frequency and TX Frequency (Keep the same frequency value), Click Frequency box Edit Frequency (400.00000--470.00000MHz) value; Frequency Step (25.0/12.5/6.25/5KHz).

le <u>E</u> dit	<u>Program</u> <u>S</u> etu	np <u>V</u> iew <u>H</u> elp							
i 🖉 🖉	2 5 3	📑 🧼 Mode	e Type:BF-48	0(UNF) Free	quency: 400	- 470MHz			
Channel Ir	nformation			\sim					
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockov
1	469.57	462.12500	69.3	69.3	Hi gh	Wide	No	No	No
2	462.22500	462.22500	None	None	Hi gh	Wide	No	No	No
3	462.32500	462.32500	None	None	Hi gh	Wide	No	No	No
4	462. 42500	462. 42500	103.5	103.5	Hi gh	Wide	No	No	No
5	5 462.52500 462.52500		114.8	114.8	Hi gh	Wide	No	No	No
6	462.62500	462.62500	127.3	127.3	Hi gh	Wide	No	No	No
7	462.72500	462.72500	136.5	136.5	Hi gh	Wide	No	No	No
8	462.82500	462, 82500	162.2	162.2	Hi gh	Wide	No	No	No
9	462.92500	462.92500	D025N	D025N	Hi gh	Wide	No	No	No
10	463.02500	463.02500	D051N	D051 N	Hi gh	Wide	No	No	No
11	463.12500	463.12500	D125N	D125N	Hi gh	Wide	No	No	No
12	463.22500	463, 22500	D155I	D155I	Hi gh	Wide	No	No	No
13	463. 52500	463. 52500	D465I	D465I	Hi gh	Wide	No	No	No
14	450. 22500	450.22500	D023N	D023N	Hi gh	Wide	No	No	No
15	460. 32500	460.32500	None	None	Hi gh	Wide	No	No	No
16	469.95000	469.95000	203.5	203.5	Hi gh	Wide	No	No	No

Step8. Edit QT/DQT Date

8.1Edit QT/DQT Dec and QT/DQT Enc (Keep the same frequency value). Note: Filtered signal encryption [50 CTCSS] / [105 CDCSS].

ile <u>E</u> dit	<u>Program</u> <u>S</u> etu	np <u>V</u> iew <u>H</u> elp	,						
1 📽 🖬 🛛	2 6 3	📕 🧼 Mod	e Type:BF-48	o(WHF) Fre	quency: 400	- 470MHz			
Channel Ir	nformation			\sim					
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockou
1	469.57500	469.57500	39.3 👻	69.3	Hi gh	Wide	No	No	No
2	462.22500	462.22500	None	None	Hi gh	Wide	No	No	No
3	462.32500	462.32500	69.3	None	Hi gh	Wide	No	No	No
4	462. 42500	482. 42500	71.9 74.4 77.0 79.7 82.5 =	103.5	Hi gh	Wide	No	No	No
5	462.52500	462.52500		114.8	Hi gh	Wide	No	No	No
6	462.62500	462.62500		127.3	Hi gh	Wide	No	No	No
7	462.72500	462.72500	136.5	136.5	High	Wide	No	No	No
8	462. 82500	462.82500	162.2	162.2	Hi gh	Wide	No	No	No
9	462, 92500	462.92500	D025N	D025M	Hi gh	Wide	No	No	No
10	463.02500	463.02500	D051N	D051 N	Hi gh	Wide	No	No	No
11	463.12500	463.12500	D125N	D125N	Hi gh	Wide	No	No	No
12	463.22500	463.22500	D155I	D155I	Hi gh	Wide	No	No	No
13	463.52500	463.52500	D465I	D465I	Hi gh	Wide	No	No	No
14	450.22500	450.22500	D023N	D023N	Hi gh	Wide	No	No	No
15	460. 32500	460.32500	None	None	Hi gh	Wide	No	No	No
16	469.95000	469.95000	203.5	203.5	Hi gh	Wide	No	No	No

Step9. Edit TX Power

9.1Choose TX Power [High] or [low], Note: Recommended to choose [High].

le <u>E</u> dit	Program Setu	p <u>V</u> iew <u>H</u> elp							
൙ 🖬 📋	2 5 3	📕 🧼 Mode	e Type:BF-48	0 (UHF) Fre	quency: 40	0 - 470MHz			
Channel Ir	formation			Δ					
hannel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockov
1	469.57500	469.57500	69.3	69.3	High 💌	Wide	No	No	No
2	462.22500	462.22500	None	None	Low by	Wide	No	No	No
3	462.32500	462.32500	None	None	High	Wide	No	No	No
4	462. 42500	462, 42500	103.5	103.5	Hi gh	Wide	No	No	No
5	462.52500	462. 52500	114.8	114.8	Hi gh	Wide	No	No	No
6	462.62500	462.62500	127.3	127.3	High	Wide	No	No	No
7	462.72500	462.72500	138.5	136.5	High	Wide	No	No	No
8	462. 82500	462.82500	162.2	162.2	Hi gh	Wide	No	No	No
9	462, 92500	462.92500	D025N	DO25N	Hi gh	Wide	No	No	No
10	463.02500	463.02500	D051N	D051 N	Hi gh	Wide	No	No	No
11	463.12500	463.12500	D125N	D125N	Hi gh	Wide	No	No	No
12	463.22500	463.22500	D155I	D155I	Hi gh	Wide	No	No	No
13	463. 52500	463. 52500	D465I	D465I	Hi gh	Wide	No	No	No
14	450. 22500	450.22500	D023N	D023N	Hi gh	Wide	No	No	No
15	460.32500	460.32500	None	None	Hi gh	Wide	No	No	No
16	469.95000	469.95000	203.5	203.5	Hi gh	Wide	No	No	No

Step10. Write Channel Date to Radio

10.1.1 First operation: Click Write icon 🛐.

Channel Ir	nformation								
hannel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	¥/N	Scan Add	Beat Shift	Busy Lockou
1	469.57500	469. 57500	69.3	69.3	Hi ch 🔽	Wide	No	No	No
2	462.22500	462.22500	None	None	Hi gh	Wide	No	No	No
3	462.32500	462.32500	None	None	Hi gh	Wide	No	No	No
4	462. 42500	462.42500	103.5	103.5	Hi gh	Wide	No	No	No
5	462.52500	462. 52500	114.8	114.8	Hi gh	Wide	No	No	No
6	462.62500	462.62500	127.3	127.3	Hi gh	Wide	No	No	No
7	462.72500	462.72500	136.5	136.5	High	Wide	No	No	No
8	462.82500	462.82500	162.2	162.2	Hi gh	Wide	No	No	No
9	462.92500	462.92500	D025N	D025N	Hi gh	Wide	No	No	No
10	463.02500	463.02500	D051N	D051N	Hi gh	Wide	No	No	No
11	463.12500	463.12500	D125N	D125N	Hi gh	Wide	No	No	No
12	463.22500	463.22500	D155I	D155I	Hi gh	Wide	No	No	No
13	463.52500	463. 52500	D465I	D465I	Hi gh	Wide	No	No	No
14	450.22500	450.22500	D023N	D023N	Hi gh	Wide	No	No	No
15	460.32500	460.32500	None	None	Hi gh	Wide	No	No	No
16	469.95000	469.95000	203.5	203.5	Hi gh	Wide	No	No	No

10.1.2 **Second operation:** See the Software interface to click [Program] to jump out of the option bar in the option bar is the lowest [Write To Radio] Click.

BF-480									
<u>F</u> ile <u>E</u> dit	<u>P</u> rogram <u>S</u> etu	np <u>V</u> iew <u>H</u> elp	•						
	<u>R</u> ead From	Radio Ctrl+R	Type: BF-48	80 (UHF) Fre	quency: 45	0 - 470MHz			
🛔 Channel Ir	<u>W</u> rite To R	adio Ctrl+W)	d					
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout
1								M	
2									
3									
4		<u>1201</u>							
5	1	0.				V.			
6	- A	N			$-\Delta$	P			
7	NO				NO.				
8	$\overline{U_a}$								
9	<i>w</i>								
10	_		~	\mathcal{V}					
-11									
12									
13									
14									
15									
						l			

BF-480 <u>File Edit Program</u> Setup View Help D 📽 🖬 😥 🎒 Mode Type: BF-480 (UNF) Frequency: 400 - 470MHz Channel Information Channel No. EX Frequency TX Frequency QT/DQT Dec QT/DQT Enc TX Power W/N Scan Add Beat Shift Busy Lockout Asar 469.57500 469.57500 69.3 69.3 Hi gh Wide No 1 No No 6.A-7 2 462.22500 462.22500 None None Hi gh Wide No No No High 462.32500 462.32500 None None Wide No 3 No No 4 462, 42500 462.42500 103.5 103.5 Hi gh Wide No No No 462.52500 462.52500 114.8 114.8 Hi gh Wide No No No 5 6 462.62500 462,62500 127.3 127.3 Hi gh Wide No No No 7 462.72500 462.72500 136.5 136.5 High Wide No No No 8 462.82500 462.82500 162.2 162.2 Hi gh Wide No No No D025N D025N 462.92500 462.92500 No No No 9 High Wide 10 463.02500 463.02500 D051N D051N Hi gh Wide No No No 463.12500 463.12500 D125N D125N Hi gh Wide No 11 No No 12 463.22500 463.22500 D155I D155I Hi gh Wide No No No 463.52500 463, 52500 D4651 D465I No No 13 High Wide No 14 450.22500 450.22500 D023N D023N Hi gh Wide No No No 460.32500 460.32500 15 None None High Wide No No No 469. 95000 469.95000 203.5 203.5 Wide 16 Hi gh No No No Write data to radio 0 % Qk Cancel 00 0.0 20 00

10.2.1 Software interface jump out [Write data to radio] window, Click [Ok].

10.3.1 Software interface jump out [Confirmation]--[Writing Completed] window, Click [确定].

BF-480											
<u>F</u> ile <u>E</u> dit	<u>Program</u> Setu	np <u>V</u> iew <u>H</u> elµ	,								
D 📽 📓		📑 🧼 Mod	e Type:BF-48	80 (WHF) Fre	quency: 40	0 - 470MHz					
Channel Ir	nformation							ſ	- • ×		
Channel No.	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	TX Power	W/N	Scan Add	Beat Shift	Busy Lockout		
1	469.57500	469.57500	69.3	69.3	Hi gh	Wide	No	No	No		~@
2	462.22500	462.22500	None	None	High	Wide	No	No	No	ATT	1 Ar
3	462.32500	462.32500	None	None	Hi gh	Wide	No	No	No	CALL .	12. LT
4	462.42500	462.42500	103.5	103.5	Hi gh	Wide	No	No	No	~20	12.
5	462.52500	462.52500	114.8	114.8	Hi gh	Wide	No	No	No		
6	462.62500	462.62500	127.3	127.3	Hi gh	Wide	No	No	No	\sim	
7	462.72500	462.72500	136.5	136.5	Hi gh	Wide	No	No	No		
8	462.82500	462.82500	162.2	162.2	Hi gh	Wide	No	No	No	~ <u>a</u>	<u>_</u> @
9	462.92500	462.92500	D025N	D025N	Hi gh	Wide	No	No	No		1 Air
10	463.02500	463.02500	D051N	D051 N	Hi gh	Wide	No	No	No	12-15-	12 LT
11	463, 12500	463.12500	D125N	D125N	Hi gh	Wide	No	No	No		12.
12	463.22500	463. 22500	D155I	D155I	Hi gh	Wide	Fo	No	No		
13	463.52500	463. 52500	D465I	D465I	Hi gh	Wide	No	No	No		
14	450.22500	450.22500	D023N	D023N	Hi gh	Wide	No	No	No	\sim	
15	460. 32500	460.32500	None	None	Hi gh	Wide	No	No	No		<u>_</u> @
16	469.95000	469.95000	203.5	203.5	Hi gh	Wide	No	No	No	A.C.	And And
E	A:30	EF	-430	D .	A.F.	A.30	Ţ	3 [4	.3 ⁰	Writing Complet	ted.

Success