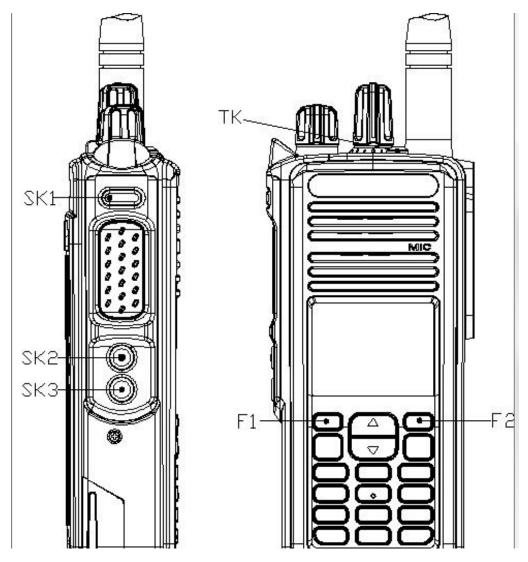
## Summary of Loading the DMR Bootloader

**1.** Transfer the M17PLUS\_Bootloader\_B6.06\_20241029.boot to the radio using the Factory Tool\_COMMON program.

Below is a picture of the radio buttons.



## Loading the DMR Bootloader

You need the following programs and hardware:

CS7000 M17 radio

Programming cable

Factory Tool\_COMMON\_V5.09.01\_setup.exe program

M17PLUS\_Bootloader\_B6.06\_20241029.boot

Note: The above bootloader was for the initial build of the project. You might need to install a later version. The technique is identical except for the name of the bootloader.

1. If you have not already done it, install the Factory Tool\_COMMON program on your PC. If done properly you should have the following shortcut on your PC.



2. Press the PTT and Orange TK button at the same time and turn on the power. You should get the screen as shown below and the LED should blink Orange, Red, Green.



3. Start the Factory Tool\_COMMON program and you should get the following:

A Factory Tool_COMMON_V5.09.01	
Radio Type Portable	•
Model Series DR7000_HRC6000_SKY72310	•
Bootloader (*. boot)	
Firmware(*.bin)	
RCDB (*. rdb, *. rdbx)	
Font Library (*. pack)	
Fixed Voice (*. fv)	
Tuner File(*. tdb)	
	Upgrade

Depending on what you did before, some of the boxes might be checked and some of the file locations might be set.

4. Set the Radio Type to Portable, Model Series to DR7800S\_HRC6000\_SKY72310\_H7 Bootloader checkbox to checked

Factory Tool	_COMMON_V5.09.01	
Radio Type	Portable	•
Model Serie	es DR7800S_HRC6000_SKY72310_11_H7	•
Bootloader	(*. boot)	
-Firmware(*.	bin)	
-RCDB (*. rdb,	*.rdbx)	
Font Librar	y(*.pack,*.mpack)	
-Fixed Voice	:(*. fv)	
Tuner File	(*. tdb)	
Language Pa	ickage (*. lang)	
Welcome Ima	ge(*.bmp)Maximum support 160 * 128 pixel size	
Picture Res	:ource(*.pic)	
		Upgrade

5. Press the file locator button the right of Bootloader(\*.boot) and you get the following:

Factory Tool_COMMON_V5.09.01		2 23
Radio Type Portable		•
Model Series DR7800S_HRC6000_SKY72310_11_H7		•
Bootloader (*. boot)		
Firmware(*.bin)		
📲 Open		×
Look in: 🕕 M17 PLUS Firmware 👻	G 🤌 📂 🛄 -	
Name	Date modified	Т
New folder	11/8/2024 8:25 AM	Fi
		•
File name:	Open	
I Files of type: BOOT File(*.boot)	▼ Cancel	
Welcome Image(*.bmp)Maximum support 160 * 128	pixel size	
	[	
Picture Resource(*.pic)		
	Up	grade

6. Highlight the latest firmware version and press the Open button and you get the following:

Factory Tool_C	COMMON_V5.09.01	X
Radio Type	Portable	•
Model Series	3 DR7800S_HRC6000_SKY72310_11_H7	•
Bootloader (*		
V C:	\Users\Jerry\Desktop\M17 Updates\M17 PLUS Firmware\M1 [	
Firmware (*. b	in)	
RCDB (*. r db, *	. r dbx)	
Font Library	(*. pack, *. mpack)	
Fixed Voice(	*. fv)	
Tuner File (*	. t db)	
Language Pac	kage (*. lang)	
Welcome Imag	e(*.bmp)Maximum support 160 * 128 pixel size	
Picture Reso	urce (*. pic)	
	Upi	grade
		_

Notice the file location is now in the box adjacent to the Bootloader (\*boot)

7. Press the Upgrade button and in a few seconds, you get the following screen.

Hactory Tool_COM	1MON_V5.09.01	
Radio Type	rtable	•
Model Series	78005_HRC6000_SKY72310_11_H7	
Bootloader (*. bo		
🖉 C:\Us	ers\Jerry\Desktop\M17 Vpdates\M17 PLVS Firmw	are/M1
Firmware (*. bin)		
-RCDB (*. rdb, *. rd)	(xc)	
-Font Library(*.)	pack, *.mpack)	
-Fixed Voice(*.f	<i>v</i> )	
-Tuner File (*. td)	b)	
-Language Packag	e (*. lang)	
-Welcome Image(*.	bmp)Maximum support 160 * 128 pixel size-	
-Picture Resource	= (*. pic)	
	-	
10:55:22Began_to	upgrade bootloader file	
		Upgrade

8. In a few more seconds it will be finished, and you get the following screen.

Factory Tool_COMMON_V5.09.01	
Radio Type Portable	
Model Series	~
Bootloader (*. boot) [] C:\Users\Jerry\Desktop\M17 Updates\M17 PLU	7 . William
	5 firmware(MI
Firmware (*. bin)	
RCDB (*. r db, *. r dbx)	<b>N</b>
Font Library (*. pack, Fixed Voice (*. fv) Upgrade finish!	
Tuner File (*. tdb)	
Language Package (*. lang)	
-Welcome Image(*.bmp)Maximum support 160 * 128 pixel	l size
Picture Resource(*.pic)	
10:55:22Began to upgrade bootloader file 10:55:25Bootloader upgrade finish	Vpgrade

Press the OK button and your radio should now show the DMR screen.