K45 A3 Upgrade Instructions 1.0 8/10/23 Please read carefully

Make a directory on your PC called K45_Files

Download K45pgm_v11.exe and copy it to the K45_Files directory

Download the latest K45 Main Application zip file and copy that to the K45_Files directory Unzip the zip file into the same directory, this file is K45_CW_Modem_A3.hex

Connect the K45 to a USB port on your PC

On the K45 keyboard Press ESC followed by W for Winkeyer Mode Use WKscan to determine the port the K45 is connected to, it will show up as WK3 On the K45 Press the pushbutton to exit WK mode Close WKscan

On the K45 Keyboard, press ESC followed by U for update Press 1 to select K45 update mode Press Y (capital Y) to start Bootloader this takes a few seconds It must be Version 3.1 or 3.2, if not please stop this procedure and contact K1EL

Start K45pgm_v11.exe, Windows Defender may complain, click More Info then 'Run Anyway'. Now set the K45 com port, and then click 'OpenK45'. You will see a message saying 'F/W Loader Connected' and 'H/W Revision'. If it doesn't connect on the first try, click 'OpenK45' again.

K45 Firmware Update Utility 1.1	- 🗆 X	K45 Firmware Update Utility 1.0	- 🗆 ×
Comm port open error Comm Port Setup	-WK3 IC Programming OpenWK3 WK3 Update	-K45 PIC Programming OpenK45 K45 Update	WK3 IC Programming OpenWK3 WK3 Update
OK Exit	ComPort Controls Cancel	PSoC Programming OpenPSoC PSoC Update	ComPort Controls Cancel Set Com com:9 Exit

Click 'K45 Update' and a new dialog box will be displayed, click 'Load Hex File':

K45 Firmware U	pdate Utility 1.0		
W Loader v3.1 Cor	nnected	K4	5 H/W Revision /
K45 PIC Programmi	ng	WK3 IC Programming	
OpenK45	K45 Update	OpenWK3	VK3 Update
Programming		ComPort Controls	Cancel
1 300000 2020 2020	PSoC Update	Set Com com:6	

F/W Loader v3.1 Connected		K45	H/W Revis	ion A	
K45 PIC Programming	WK3 IC Program	ming			
OpenK45 K45 PIC Firmware	Uploader				>
PSoC Programmin					
OpenPSoC					
	On data training	6	ashauk MAT		tive:

Navigate to your K45_Files directory and select and open the image hex file 'K45_CW_Modem_A3.hex' that you previously downloaded.

F/W Loader	v3.2 Connected	K45 H/M	/ Revision B	
K45 PIC Pr	ogramming WK3 t WK3 5 PIC Firmware Uploader	IC Programming	×	
Open				1000
- 🔿 🕐 🛧 📙 > This PC	> Local Disk (C:) > K45_Files	5 ~	, ○ Search K45_Fil	es
Organize 🔻 New folder			[]]]]	- 💷 🤅
 Downloads Music Pictures Videos 	Name		Date modified 6/7/2023 10:38 AM	Type HEX File
Local Disk (C:)	v			
File name:	*.hex		Hex Files	~
				2352 15

The image is loaded and file size displayed. Click 'K45 Update' and programming will start.

The progress bar will advance as the programming proceeds. Please don't click Exit !

🔯 K45 Firmware Update Utility 1.0	- 🗆 🗙	K45 Firmware Update Utility 1.1	- 🗆 ×
F/W Loader v3.1 Connected	K45 H/W Revision A	F/W Loader v3.2 Connected	K45 H/W Revision B
K45 PIC Programming	IC Programming	K45 PIC Programming WK3 IC Prog	gramming
OpenK45 K45 PIC Firmware Uploade	er i	K45 PIC Firmware Uploader	×
PSoC Programmin OpenPSoC K45 Image Loaded, 20564	4 Bytes	PSoC Programming K45 PIC	08280
C:\K45_apps\K45_Uploade	r/K45_CW_Modemz.hex	C:\K45_Files\K45_CW_Modem_A3.hex	
Load HEX File Upd	ate K45 Pic Restart K45 Exit	Load HEX File Update K4S PIC	Restart K45 Exit

When the update is finished the 'Restart K45' button will be enabled. Click on it to restart the K45. and the K45 will do a power up reboot. All K45 settings and messages will be cleared by the update. You can now close the K45pgm app and the K45 is ready to use.

K45 I	Firmware Update Ut	ility 1.1		
W Load	der v3.2 Connected		K45	H/W Revision B
K45 PIG	C Programming	- WK3 IC	Programming	
0	K45 PIC Firmware	Jploader		×
PSoC	Programing Comple	eted Successfully		
Op				1a400
	C:\K45_Files\K45_	CW_Modem_A3.hex		
	Transformer and	Lindata MEDIC	Postart K45	Evit