

BACKLIGHT CONTROL AND DISPLAY VIEWING ANGLE ADJUST

If the BKLHT option switch is programmed, it can be used to select high, medium, or off backlight modes. Otherwise, the keypad and display backlight is fixed in one of these modes by programming. I like to assign the two rightmost keys to MONITOR and BACKLIGHT because you will not have encryption on a personally owned radio. Zone 4 is usually open for you to add 2m ham if desired.

If the display is difficult to read from the angle you normally view it, the viewing angle can be adjusted as follows: Press and hold the last option switch above the display and then press the first option switch above the display. Then release both switches and turn the Select switch until the best contrast is obtained. This function times out in 3-5 seconds. NOTE: If the display appears blank or all icons are continuously displayed, the viewing angle is probably improperly adjusted.

PROGRAMMING

All versions of PC Configure will run on Windows 10 except 1.3.07, that will only run on Windows XP. 1.3.xx is for certain federal version of the 53xx that allow front panel programming

The 5317 can be programmed using the EF Johnson RIB, 023-5300-00 and appropriate serial port RS0232 interface. You can also buy a compatible RIB from Refurbatron.

<https://refurbatron.bigcartel.com/product/5300-programming-cable-circuit-board>

Note that most USB to RS-232 interfaces will not work with the EFJ RIB. The reason is that the RS-232 spec calls for positive and negative voltage swing on the data line, but most ZUSB interfaces only go between +5V and zero. One interface that will work is the Triplite Keyspan USA-19HS.

For older version radios that display V200 during startup, use:

- PC Configure 1.28.0.8
- Baud Rate 9600
- Send/Get Delay set to 15
- (delay set from Tools, Preferences, Other)

All others will usually program at the highest baud rate but NOT at 9600.

No harm in keeping the increased delay for all programming.

Please note that while you can read the radio with any version of the programming software, you can only write the radio with the corresponding version of the programming software as indicated in the following chart.

	ARM	DSP	Firmware Version	Boot Code	PCConfigure
5100					
Version 1 (NON-SEM)	N/A	N/A	1.18.15	1.13	1.28.0.8
Version 2 (SEM)	N/A	N/A	2.8.18	2.3	1.28.0.8
Version 3 (UCM)	N/A	N/A	3.8.14	3.3	1.28.0.8
Version 4 (X)	N/A	N/A	4.14.5	4.4	2.10.2
Version 6 (ES)	N/A	N/A	6.8.6	6.7	2.10.2
5300					
Version 1 (ARM)	1.32.11	1.64	N/A	1.10/1.12	1.30.7
Version 2 (SEM)	N/A	N/A	2.8.15	2.3	1.28.0.8
Version 3 (UCM)	N/A	N/A	3.8.14	3.3	1.28.0.8
Version 4 (X)	N/A	N/A	4.14.5	4.2	2.10.2
Version 6 (ES)	N/A	N/A	6.8.6	6.5	2.10.2

Note: This chart is a bit out of date as I now use 2.12 for some version 4 radios and 2.14 for version 6