| Command        | Parameter(s)            | Explanation   | Usage   | Notes   |
|----------------|-------------------------|---|---|---|
|                | An explanation of       | some basic write operations using the PICkit programmer se, and, using an external power source.  | <del>                                     </del>  | vice String, and substitute %Filename% for                          |
|                | -                       | ror log file is created every time the software is used. examined to resolve errors.  | Program all memory regions and<br>-w -pPIC%ChipModel% -f"%File  | leave 5v on from the PICkit programmer.<br>Name%" -mpec -zv -a5     |
|                | PICKitCommandline v4.xx |   | Program all memory regions and<br>-w -pPIC%ChipModel% -f"%File  | leave 3.3v on from the PICkit programmer.<br>Name%" -mpec -zv -a3.3 |
|                |                         |   | Program all memory regions usin -pPIC%ChipModel% -f"%FileNa   |   |
|                | Doc: Rev 20             |   | Program config & program regions retaining EEprom using external powerpPIC%ChipModel% -f"%FileName%" -mpc   |   |
| -3             | No parameter            | -3 Selects a PICKit 3 programmer only.  | Usage:  |   |
|                |                         | PICKitCommandLine can be forced to use a PICKit 3 programmer. This is useful when you have more than one programmer attached.                                   | -3 Will select a PICKit 3 only for programming operations.  |   |
| -2             | No parameter            | -2 Selects a PICKit 2 programmer only.  | Usage:  |   |
|                |                         | PICKitCommandLine can be forced to use a PICKit 2 programmer. This is useful when you have more than one programmer attached.                                   | -2 Will select a PICKit 2 only for programming operations.  |   |
| devicelist     | Optional pipe command   | devicelist List all supported devices.  | Usage:  |   |
|                |                         | This is an exclusive command. Other command line parameters will be ignored.  | devicelist Show the revision of the devices database and a complete list of the supported devices.  |   |
|                |                         |   | devicelist   more Will show the information in pages using the more pipe.   |   |
| devicelist-csv | Optional pipe command   | devicelist-csv List all supported devices in CSV format.  | Usage:  |   |
|                |                         | This is an exclusive command. Other command line parameters will be ignored.  | devicelist-csv Show the<br>revision of the devices database and<br>a complete list of the supported<br>devices using a comma delimited<br>format. |   |
| firmware       | No parameter            | firmware Flash firmware to a PICKIT programmer.   | Usage:  |   |
|                |                         | This an exclusive command. Other command line parameters will be ignored.   | For PICKIT2 Programmerfirmware For PICKIT3 Programmerfirmware   |   |
|                |                         | "PK2V023200.hex" and "PK3OSV020005.hex" are assumed to be in the same folder as the PICKITCOMMANDLINE.EXE.  |   |   |
|                |                         | When using this switch you may get an 'Error 6: Failed to put PK2 in bootloader mode' error on the first attempt. This a know condition. Simply try the switch. |   |   |

| Command | Parameter(s)         | Explanation  | Usage  | Notes |
|---------|----------------------|--|--|-------|
| -a      | Requires a parameter | •  | Usage:   |       |
|         |                      |  |  |       |
|         |                      | Can be used when the programmer supports changing  | Example 1. Set to 3.3v   |       |
|         |                      | the operating voltage. Not all clone PICKIT programmers support changing the operating voltages.   | pickitcommandline -w -pPIC12f675 -<br>f"12f675.hex" -u343c -mpec -a3.3 - |       |
|         |                      | programmers support enanging the operating voltages.   | zv   |       |
|         |                      | Examples:  |  |       |
|         |                      | -a5  |  |       |
|         |                      | -a3.3<br>-a2.8   | Example 2. Set to 5.0v pickitcommandline -w -pPIC12f675 -                |       |
|         |                      | -42.0  | f"12f675.hex" -u343c -mpec <b>-a4.5</b> -                                |       |
|         |                      | This switch sets the standard operating voltage upon   | zv   |       |
|         |                      | exit. Requires -zv to set ON. Omitting -zv will not set  |  |       |
|         |                      | the voltage.   | Example 3. Set to the default operating voltagea is not explicitly       |       |
|         |                      | The -a requires -w to operate. If -w is not specified  | stated as -w will set to the standard                                    |       |
|         |                      | then -a will not set the operating voltage.  | operating voltage. This is shown for                                     |       |
|         |                      | Alexandria de la compania del compania del compania de la compania del compania del compania de la compania del compania d | completeness.  |       |
|         |                      | Also see, -k to remove programmer power.   | pickitcommandline -w -pPIC12f675 -<br>f"12f675.hex" -u343c -mpec -zv     |       |
|         |                      |  | as ise imper 20  |       |
|         |                      |  | Fixed Voltage Case   |       |
|         |                      |  | Where a clone programmer with fixed voltage CANNOT change the            |       |
|         |                      |  | operating voltage. You should use  |       |
|         |                      |  | the PICKit Plus GUI to show fixed  |       |
|         |                      |  | voltage constraint within the  |       |
|         |                      |  | programmer by trying to change the                                       |       |
|         |                      |  | operating voltage. pickitcommandline cannot change                       |       |
|         |                      |  | the operating voltage if the PICKit                                      |       |
|         |                      |  | Plus GUI cannot. :-)   |       |
| -b      | Requires a filename  | -b The filename of the PKPLusDeviceFile.   | Usage:   |       |
| -5      | as parameter         | dat file.  | Usage.   |       |
|         |                      |  | -b "PKPLusDeviceFile.dat"  |       |
|         |                      | The is an optional switch. The PKPLusDeviceFile.dat file   |  |       |
|         |                      | is assumed to be in the same folder as PICKitCommandLine.exe.  | If the .dat file in NOT in the same folder the complete path and         |       |
|         |                      | Trenteerimandenciese.  | filename must be specified.  |       |
|         |                      | devicefile is also supported for this switch.  |  |       |
| -с      | No parameter         | -c Blank Check.  | Usage:   |       |
|         | No parameter         | Blank Check.   | Usage.   |       |
|         |                      | Set the errorlevel to 0 if blank and any value other that  | -c Check the device is   |       |
|         |                      | zero is non-blank (16 will be returned).   | blank/empty.   |       |
| -d      | Requires a parameter | -d Delay on exit of the application.   | Usage:   |       |
| "       | nequires a parameter | Beildy on exit of the application.   | osage.   |       |
|         |                      | This switch will delay the exit of the application. This   | -d1 Delay 1 second   |       |
|         |                      | enable you to review the output from PICKitCommandLine.  | -dK Wait until key press   |       |
|         |                      | FICKICOMMANULINE.  | wait until key press   |       |
|         |                      | You can specify a time delay or wait for a key press.  |  |       |
|         |                      | The options are -dN or -dK. Where N is an integer  |  |       |
|         |                      | value.   |  |       |
|         |                      | <br> When using an IDE ensure the IDE supports -dK. Using -  |  |       |
|         |                      | dK with some IDEs that does not support user input   |  |       |
|         |                      | during programming may cause the IDE lock waiting for  |  |       |
|         |                      | a key press that cannot passed the PICKITCommandLine.  |  |       |
|         |                      |  |  |       |
| -е      | No parameter         | -e Erase device  | Usage:   |       |
|         | required             | All memory regions and EEProm (if available) are set to  | -е   |       |
|         |                      | the default value as specified on the programming  |  |       |
|         |                      | guide.   |  |       |
|         |                      | This is a positional quitab. The switch is presented in  |  |       |
|         |                      | This is a positional switch. The switch is processed in the order as specified in the parameters. If -e is placed  |  |       |
|         |                      | AFTER a - m switch, the device is first programmed and   |  |       |
|         |                      | then erased to permit multiple operation to be   |  |       |
|         |                      | programmed like a READ, ERASE, WRITE operations in a single command line.  |  |       |
|         |                      | a single community inter   |  |       |
|         |                      | erase is also supported for this switch.   |  |       |
|         |                      |  |  |       |
|         | L                    |  |  | 1     |

| Command | Parameter(s)         | Explanation  | Usage                                    | Notes |
|---------|----------------------|--|--|-------|
| -f      | Requires a filename  | -f specify a source or device filename.  | Usage:                                   |       |
|         | as a parameter       |  |  |       |
|         |                      | This parameter is a positional parameter. When using   | Examples:                                |       |
|         |                      | -f MUST be stated before parameters such as -m, -g or -v parameters.   | -f"12F675.hex" -mpec Write               |       |
|         |                      | parameters.  | memory regions program, eeprom           |       |
|         |                      | You must specify a filename when using the -f.   | and config from the source file          |       |
|         |                      |  | -f"12F675_out.hex" -gpec Get             |       |
|         |                      | -f does not support -mc or -gc therefore you cannot  | memory regions program, eeprom           |       |
|         |                      | import or export config word(s) as a single action.  | and config and write to the output file. |       |
|         |                      |  | -f"12F675.hex" -vpc                      |       |
|         |                      |  | Verify memory regions program and        |       |
|         |                      |  | config using the specified source file.  |       |
|         |                      |  |  |       |
|         | Requires a parameter | get (equates to expert) memory   | Usage:                                   |       |
| -g      | 1 '                  | -g get (equates to export) memory contents from device.  | Osage.                                   |       |
|         | Farameter(e)         |  | -f "output.hex" <b>-gpec</b> Get         |       |
|         |                      |  | program, eeprom and config memory        |       |
|         |                      | Full options are: -gpcei   | regions.                                 |       |
|         |                      | memory regions:  | ge Dienlau us - ID                       |       |
|         |                      | p = Program memory<br>c = Configuration memory   | -gs Display userIDs on terminal          |       |
|         |                      | e = EEPROM   |  |       |
|         |                      | s = UserIDs  | -gc Display config on                    |       |
|         |                      |  | terminal                                 |       |
|         |                      | 1) At least one memory region MUST be specified. If  |  |       |
|         |                      | no memory region is specified as a parameter then nothing will be exported. With this switch NO default  |  |       |
|         |                      | memory region(s) are assumed. You must specify a   |  |       |
|         |                      | memory region , if no memory region is specified an  |  |       |
|         |                      | error message will be issued and therefore -g will not   |  |       |
|         |                      | export any memory regions.   |  |       |
|         |                      | 2) If a memory region is specified then the memory region is exported to the file specifiedgc will export  |  |       |
|         |                      | the config memory region.  |  |       |
|         |                      | 3) The export will be to the terminal (STDOUT) if -f is  |  |       |
|         |                      | not stated.  |  |       |
|         |                      |  |  |       |
| -h      | No parameter         | Requires -f to specify the output filenameh Show the basic Help.   | Heage                                    |       |
| -11     | No parameter         | -ii Show the basic help.   | Usage:                                   |       |
|         |                      | This switch shows a basic list of the switches and the   | -h Shows the list of the                 |       |
|         |                      | usage.   | command line switches .                  |       |
|         |                      |  |  |       |
| -i      | No parameter         | -i Display device Id and revision.   | Usage:                                   |       |
|         |                      | Shows the device ID and Revision in hexadecimal.   | -i Show the device ID and                |       |
|         |                      | Shows the device ib and nevision in hexadecimal.   | revision                                 |       |
| -j      | No parameter         | -j Show the attached PICKit programmers.   | Usage:                                   |       |
|         |                      |  |  |       |
|         |                      | Unit IDs of all connected PICKit programmers will be   | -j Show the PICKit                       |       |
|         |                      | displayed.   | programmers.                             |       |
| -k      | No parameter         | -k Remove power.   | Usage:                                   |       |
|         | , to parameter       | nemove power.  |  |       |
|         |                      | -k is mutually exclusive to -w   | -k Stops the VDD from                    |       |
|         |                      | Also see, -a to apply programmer power.  | being provide form PICKit                |       |
|         |                      | I telling a constant of the second of the se | programmer                               |       |
|         |                      | killpower is also supported for this switch.   |  |       |
|         |                      | To hack a removal of power use '-w -p <part> -gc.</part>   |  |       |
| 1       | No parameter         | Lico a clayyar protocol to account the   | Heage:                                   |       |
| -       | No parameter         | -l Use a slower protocol to program the device.  | Usage:                                   |       |
|         |                      | de vice.   | -I Use a slower                          |       |
|         |                      | This switch enables a slower communications protocol   | communications protocol.                 |       |
|         |                      | to be used. This can be useful for older programmers   |  |       |
|         |                      | or where large distances are used in the programming   |  |       |
|         |                      | environment.   |  |       |
|         |                      |  |  |       |

| Command | Parameter(s)           | Explanation  | Usage  | Notes |
|---------|------------------------|--|--|-------|
| -m      | Requires a parameter   | -m Program device.                                       | Usage:   |       |
| '''     | or parameter(s) string | Trogram device.  | Osage.   |       |
|         | or parameter(s) string | Full options are: -mpce                                  | Example 1. Program all memory  |       |
|         |                        | Tun options are. Impee                                   | regions.   |       |
|         |                        | m <memory region=""></memory>                            | pickitcommandline -p16lf18855 w -zv  |       |
|         |                        | memory regions:  | -f"16lf18855.hex" -mcep  |       |
|         |                        | p = Program memory                                       | T IONICOSSINEX INCEP   |       |
|         |                        | c = Configuration memory                                 | Example 2. Command to maintain   |       |
|         |                        | e = EEPROM   | EEPROM.  |       |
|         |                        | s = UserIDs  | pickitcommandline -p16lf18855 -w -   |       |
|         |                        | 5 6561123  | zv -f"16lf18855.hex" <b>-mcp</b>   |       |
|         |                        | 1) Memory regions MUST be specified. If no memory        | The second secon |       |
|         |                        | region is specified then the device is not modified. No  |  |       |
|         |                        | default memory regions are assumed. You must             |  |       |
|         |                        | specify a memory region, if no memory region is          |  |       |
|         |                        | specified an error message will be issued.               |  |       |
|         |                        | 2) When programming either 'p' ( Program memory ) or     |  |       |
|         |                        | 'c' (Configuration memory) you MUST use -mcp[e][s].      |  |       |
|         |                        | Where 'p' and 'c' are mandated. You cannot write just    |  |       |
|         |                        | the program or just the config. This constraint ensures  |  |       |
|         |                        | the device is erased prior to write operations.          |  |       |
|         |                        | 3) If a memory region is specified then the memory       |  |       |
|         |                        | region IS ERASED, then, updated with the source HEX      |  |       |
|         |                        | data. Therefore, -e is implied for the memory region(s)  |  |       |
|         |                        | specified.   |  |       |
|         |                        | 4) All memory regions specifies are verified.            |  |       |
|         |                        | 5) To ensure memory regions are not changed during       |  |       |
|         |                        | programming operations, when they are NOT specified      |  |       |
|         |                        | with the switch, the unspecified memory regions are      |  |       |
|         |                        | preserved, restored and verified. These operations       |  |       |
|         |                        | ensure the device is properly programmed and is a        |  |       |
|         |                        | precautionary measure to ensure no corruption has        |  |       |
|         |                        | occurred.  |  |       |
|         |                        |  |  |       |
|         |                        | -m will always erase specified memory region.            |  |       |
|         |                        |  |  |       |
|         |                        | Requires -f to specify the output filename.              |  |       |
|         |                        |  |  |       |
| -n      | Requires a PICKit      | -n Program the device with the specified                 | Usage:   |       |
|         | programmer name        | name.  |  |       |
|         | string as a parameter  |  | Example:   |       |
|         |                        | Use the PICkit programmer with the given Unit ID         | pickitcommandline -p16lf18855 -  |       |
|         |                        | string. Useful when multiple PICkit programmers units    | nBUR12345678 -w -zv -f"16lf18855.  |       |
|         |                        | are connected.   | hex" -mcep   |       |
|         |                        |  |  |       |
|         |                        |  | Use a specific programmer with the   |       |
|         |                        |  | name of BUR12345678.   |       |
| -р      | Requires a device      | -p Program the device with the specified                 | Usage:   |       |
|         | name parameter         | name.  |  |       |
|         | string                 |  | Example 1. Program a 16 part.  |       |
|         |                        | The switch specifies the device to be programmed. The    | pickitcommandline -p16lf18855 -w -   |       |
|         |                        | device string needs to match the device being            | zv -f"16lf18855.hex" -mcep   |       |
|         |                        | programmed. The device string is used to extract key     |  |       |
|         |                        | information from the device database. An incorrect       | Example 2. Program a 16 part using   |       |
|         |                        | device string will not work and an error message will be | the suffix PIC   |       |
| [       |                        | issued.  | pickitcommandline -pPIC12F675 -w -   |       |
| [       |                        |  | zv -f"12F675" -mcp   |       |
|         | 1                      | You can optionally use a PIC prefix. So 12F675 and       |  |       |
|         |                        |  |  |       |
|         |                        | PIC12F675 will program a 12F675 device.                  |  |       |
|         |                        |  |  |       |

| Command | Parameter(s)                           | Explanation  | Usage  | Notes   |
|---------|--|--|--|---|
| r       | Requires a parameter                   |  | Example 1:<br>-r128  | Future capability: Not implemented.   |
|         |  |  | This will protect/preserve the last 0x60 (128) words of flash memory. In the Example 1 above, if the microcontroller has 2048 words of Program Flash Memory, range of memory to be preserved would be from 0x780 to 0x7FF.                 | Implemented as -rnnnn where nnnn is the size of the flash memory block to be protected, and where nnn can be any value within the constaints of NVRAM erase row size. Suggest multiples of 0x20.  Currently the largest block HEF/SAF on any PIC is 0x100 (words) but This could possibly change in the future. |
|         |  |  | Example 2:<br>-r0xE0<br>This will preserve the last 0xE0 (224)<br>words of flash memory on a<br>microcontroller with 256 words of<br>SAF memory.   | So valid values would be 0x20, 0x60, 0x80 up to 0x100   |
| -q      | Requires a parameter                   |  | Usage:   |   |
|         |  |  | -q The application will issue minimal messages.  |   |
| -s      | Requires a<br>hexadecimal<br>parameter | -s sets the UserID value for microcontrollers that support UserID bytes/words.  Supports hexadecimal values only. Supports usage of leading 0x and characters 0xhhhh to the specific length stated in the datasheet.  There are two components to the command. The hexadecimal value and the command switch.  1) Hexadecimal value: -s is a positional value. Therefore, it has no effect until a write operation is performed. You must put -s hexadecimal value prior to the -m switch.  2) You must add the s parameter to the -m command. Example -mpecs   | Usage:  Example 1. Set to the UserId to a hexadecimal value  0x0000000000000001 use the following: pickitcommandline -w -p16f1938 -f"  16f1938.hex" -  s0x0000000000000001 -mpecs -a5.0 -zv  |   |
| -u      | Requires a hexadecimal parameter       | -u sets the OSCCAL value on devices with OSCCAL support.  Supports hexadecimal values only. Supports usage of leading 0x and four characters 0xhhhh, or, a four character string hhhh. Where the hexadecimal value must start with 0x34, the next 6 bits to determine the OSCCAL and the lower two bit must contain zero. Essentially, the 6 bits adjust the frequency up or down to achieve 4 MHz.  -u is a positional command. Therefore, it has no effect until a write operation is performed. You must put this switch prior to the -m switch.  Changing the OSCCAL value impacts the operating frequency of the device. YOU MUST ENSURE THE VALUE COMPLIES WITH THE SPECIFICATION AS STATED IN THE DATASHEET. Typical values are similar to 0x343C. Resetting the OSCCAL value is automatic when using the PICKPlus 2 Programmer software. | Usage:  Example 1. Set to hexadecimal value 343c pickitcommandline -w -pPIC12f675 -f"12f675.hex" -u343c -mpec -a3.3 -zv  Example 2. Set to hexadecimal value 0x343d pickitcommandline -w -pPIC12f675 -f"12f675.hex" -u3438 -mpec -a5.0 -zv |   |

| Command    | Parameter(s)           | Explanation   | Usage   | Notes |
|------------|------------------------|---|---|-------|
| -V         | Requires a parameter   |   | Usage:  |       |
|            | or parameter(s) string | ·   |   |       |
|            |                        | Full options are: -vpce   | Example 1. Verify all memory                          |       |
|            |                        |   | regions.  |       |
|            |                        | v <memory region=""></memory>   | pickitcommandline -p16lf18855 -w -                    |       |
|            |                        | memory regions:   | zv -f"16lf18855.hex" <b>-vcep</b>                     |       |
|            |                        | p = Program memory<br>c = Configuration memory  | Example 2. Command to verify config                   |       |
|            |                        | e = EEPROM  | and program only.                                     |       |
|            |                        | C - LEI NOW   | pickitcommandline -p16lf18855 -w -                    |       |
|            |                        | 1) At least one memory region MUST be specified. If   | zv -f"16lf18855.hex" <b>-vcp</b>                      |       |
|            |                        | no memory region is specified then no memory region   | ·   |       |
|            |                        | is verified. No default memory region(s) are assumed.   |   |       |
|            |                        | You must specify a memory region , if no memory   |   |       |
|            |                        | region is specified an error message will be issued.  |   |       |
|            |                        | 2) If a memory region is specified then the memory  |   |       |
|            |                        | region is verified using the source HEX data.   |   |       |
|            |                        | Requires -f to specify the output filename.   |   |       |
|            |                        | negames -i to specify the output illendifie.  |   |       |
| -w         | No parameter           | -w Power device from programmer, if safe  | Usage:  |       |
|            | '                      | to do so.   |   |       |
|            |                        |   | -w Power the device for                               |       |
|            |                        | Power will be applied operations at the voltage set by  | programming.  |       |
|            |                        | at the specific programming voltage."   |   |       |
|            |                        |   | Example 1. Enable power to support                    |       |
|            |                        | To remove power formally see -kw enables the use of -a.   | programming using the default                         |       |
|            |                        | -w enables the use of -a.<br>-w is mutually exclusive to -k.                                      | operating voltage. pickitcommandline -w -pPIC12f675 - |       |
|            |                        | applypower is also supported for this switch.   | f"12f675.hex" -u343c -mpec                            |       |
|            |                        |   |   |       |
|            |                        |   | Example 2. Enable power to support                    |       |
|            |                        | Note: This switch operates differently from the   | programming using the default                         |       |
|            |                        | Microchip command line utility.   | operating voltage and maintain this                   |       |
|            |                        |   | voltage after exiting the application.                |       |
|            |                        |   | pickitcommandline -w -pPIC12f675 -                    |       |
|            |                        |   | f"12f675.hex" -u343c -mpec -zv                        |       |
| -Z         | Requires a parameter   | -z Set voltage and/or MCLR upon exit.   | Usage:  |       |
|            | or parameters          | 2 Set Voltage ana/or Meen apon exit.  | osage.  |       |
|            |                        |   | -zv Set VDD upon exit                                 |       |
|            |                        | -z must be used with at least one of the options  | -zm Set MCLR upon exit                                |       |
|            |                        |   | -zvm Set VDD & MCLR upon exit                         |       |
|            |                        | -zv or -zm. Specify states on exit where v=power  |   |       |
|            |                        | and/or m=mclr   |   |       |
|            |                        | See -a for operating voltages.  |   |       |
|            |                        | on exit is also supported for this switch.  |   |       |
|            |                        | on exicis also supported for this switch.   |   |       |
|            |                        |   |   |       |
| icsp-delay | Requires a parameter   | -icsp-delay Sets the ICSP frequency.  | Usage:  |       |
|            |                        |   |   |       |
|            |                        | This quitch anables a clay as a series in the ICCS  | -icsp-delay 50  |       |
|            |                        | This switch enables a slow communications ICSP frequency to be used. This can be useful for older |   |       |
|            |                        | programmers or where large distances are used in the  |   |       |
|            |                        | programming environment.  |   |       |
| [          |                        | , J   |   |       |
|            |                        | This is a byte value where each byte gives the clock  |   |       |
|            |                        | period in multiples of 1us.   |   |       |
| Í          |                        |   |   |       |
| Į.         |                        | IAM avamala is the 10F/I \w/V00 where a value of 60 is  | į   | 1     |
|            |                        | An example is the 18F(L)xxK80 where a value of 60 is recommended.                                 |   |       |

| Command                      | Parameter(s) | Explanation   | Usage                                       | Notes   |  |
|------------------------------|--------------|---|---|---|--|
| Application exit errorlevels |              | 0 = Success   | •   |   |  |
|                              |              | 1 = Incorrect Argument  |   |   |  |
|                              |              | 2 = Power Problem   |   |   |  |
|                              |              | 3 = Part Not Found  |   |   |  |
|                              |              | 4 = Wrong Device  |   |   |  |
|                              |              | 5 = Firmware Problem  |   |   |  |
|                              |              | 6 = Communication Problem   |   |   |  |
|                              |              | 7 = File Not Found  |   |   |  |
|                              |              | 8 = This Feature is Broken  |   |   |  |
|                              |              | 9 = This Feature is Not Implemented   |   |   |  |
|                              |              | 10 = Not Valid  |   |   |  |
|                              |              | 11 = Verification Failed  |   |   |  |
|                              |              | 12 = System Error   |   |   |  |
|                              |              | 13 = Bad Hex File   |   |   |  |
|                              |              | 14 = This Operation is Not Supported<br>15 = This product is unlicenced   |   |   |  |
|                              |              | 16 = Blank Check Failed   |   |   |  |
|                              |              | 10 - Blatik Check Falled  |   |   |  |
| Defaults and no              | otes.        | There is an ini file that can be adapted. The file is   | called PICKitCommandline.ini The stru       | cture is as follows:                                |  |
|                              |              |   |   |   |  |
|                              |              | [GENERAL]   |   |   |  |
|                              |              | LOGFILE=PICKitCommandline.log   |   |   |  |
|                              |              | ERRORFILE=PICKitCommandline.err   |   |   |  |
|                              |              |   |   |   |  |
|                              |              | The location and the filename for each entry can be changed to meet any specific needs.   |   |   |  |
|                              |              |   |   |   |  |
|                              |              |   |   |   |  |
|                              |              | A little rule when using this software. A parameter is either a standalone flag or a key/value pair.  |   |   |  |
|                              |              | A fittle rule when using this software. A parameter is either a standardie mag or a key, value pair.  |   |   |  |
|                              |              | And,  |   |   |  |
|                              |              |   |   |   |  |
|                              |              | -m There is no default. You must specify memory   | region.                                     |   |  |
|                              |              | -w with -zv will default to the standard operating  | voltage for the device.                     |   |  |
|                              |              | Also,   |   |   |  |
|                              |              | When a PK3 is first plugged in to USB the MCLR is asserted (pin is held low.) A PK2 does not do this.   |   |   |  |
|                              |              | And   |   |   |  |
|                              |              | Allu  |   |   |  |
|                              |              | If you need to set or reset the BANDGAP on your device. Please use the PICKitPlus Windows Application for the PK2 or PK3 programmers. This can reset the BANDGAP with a click. Simply read the device, select the 'BandGap:' in the upper part of the application interface - this will change the BandGap value. Select the desired BandGap by reselecting 'BandGap' and then Write or Erase the device. |   |   |  |
|                              |              | And   |   |   |  |
|                              |              | Quetes can be used around the arguments and als   | on that it can ontionally be consected from | m the switch by a space. This is a universal rule   |  |
|                              |              | Quotes can be used around the argument; and als   | that it can optionally be separated iro     | in the switch by a space. This is a universal fule. |  |