NOTE 2007.4

Here is a parsed version of the Picaxe command set containing ONLY the commands available in the Picaxe 08-M version. Find and study these commands in the Picaxe Manual #2: The Commands, under the Picaxe Programming Editor HelpTab, in order to get up to speed quickly on the Picaxe 08-M. Some commands are very simple, while others are quite complex. I suggest that you study, learn and use the simple commands first, then try to develop programs that incorporate the more complicated commands one at a time. Pick off the more useful commands (to YOU and YOUR applications) and master each one as needed. I put *my personal* choices for a basic command set to learn *first* in **BOLDFACE**.

PICAXE 08-M COMMAND SET
BCDTOASCII variable, tens, unit
BCDTOASCII wordvariable, thousands, hundreds, tens, units

BINTOASCII variable, hundreds, tens, units
BINTOASCII wordvariable, tenthousands, thousands, hundreds, tens, units

BRANCH offset,(address0,address1...addressN)

BUTTON pin,downstate,delay,rate,bytevariable,targetstate,address

CALIBFREQ {-} factor

COUNT pin, period, wordvariable

DEBUG {var}

DEC var

DISABLEBOD

```
DO
{code}
LOOP UNTIL/WHILE VAR ?? COND

DO
{code}
LOOP UNTIL/WHILE VAR ?? COND AND/OR VAR ?? COND...

DO UNTIL/WHILE VAR ?? COND
{code}
LOOP

DO UNTIL/WHILE VAR ?? COND AND/OR VAR ?? COND...
{code}
LOOP
```

DATA {location},(data,data...)

EEPROM {location},(data,data...)

ENABLEBOD

END

EXIT

FOR variable = start TO end {STEP {-}increment}
(other program lines)
NEXT {variable}

GOSUB address

GOTO address

HIGH pin {,pin,pin...}

IF variable ?? value {AND/OR variable ?? value ...} *THEN*
{code}
ELSEIF variable ?? value {AND/OR variable ?? value ...} THEN
{code}
ELSE
{code}
ENDIF

INC var

INFRAIN2

INFRAOUT device,data

INPUT pin,pin,pin...

LET} variable = {-} value ?? value ...
LET} dirs = value
{LET} dirsc = value
LET} pins = value
{LET} pinsc = value

LOOKDOWN target,(value0,value1...valueN),variable

LOOKUP offset,(data0,data1...dataN),variable

LOW pin {,pin,pin...}

NAP period

ON offset *GOTO* address0,address1...addressN
ON offset *GOSUB* address0,address1...addressN

OUTPUT pin,pin, pin...

PAUSE milliseconds

PEEK location,variable,variable,WORD wordvariable...

PLAY tune,LED

POKE location,data,data,WORD wordvariable...

PULSIN pin,state,wordvariable

PULSOUT pin,time

PWM pin,duty,cycles
PWMOUT pin,period,duty cycles
PWMOUT pin OFF

RANDOM wordvariable

READADC channel,variable
READADC10 channel,wordvariable

READ location,variable,variable, WORD wordvariable

READOUTPUTS variable

READTEMP pin,variable
READTEMP12 pin,wordvariable

READOWSN pin

RETURN

REVERSE pin,pin,pin...

SELECT VAR
CASE VALUE
{code}
CASE VALUE, VALUE...
{code}
CASE VALUE TO VALUE
{code}
CASE ?? value
{code}
ELSE
{code}
ENDSELECT

SERIN pin,baudmode,(qualifier,qualifier...)
SERIN pin,baudmode,(qualifier,qualifier...),{#}variable,{#}variable...
SERIN pin,baudmode,{#}variable,{#}variable...

SEROUT pin,baudmode,({#}data,{#}data...)

SERTXD ({#}data,{#}data...)

SERVO pin,pulse
SERVO OFF

SETINT OFF
SETINT input,mask

SETFREQ freq

SPIIN sclk,sdata,mode,(variable {/ bits} {, variable {/ bits}, ...})

SPIOUT sclk,sdata,mode,(data{/ bits}, {data{/ bits},...})

SLEEP period

SOUND pin,(note,duration,note,duration...)

STOP

SWITCH ON pin, pin, pin...
SWITCHON pin, pin, pin...
SWITCH OFF pin, pin, pin...
SWITCHOFF pin, pin, pin...

SYMBOL symbolname = value
SYMBOL symbolname = value ?? constant

TOGGLE pin,pin,pin...

TUNE LED, speed, (note, note, note...)
WAIT seconds

WRITE location,data ,data, WORD wordvariable...