

Procedure	LCD_Command(Command As Integer)
Argument	Command in Integer  LCD_Command ( LCD_HOME ) ‘ Send Cursor Home, LCD Content Intact LCD_Command ( LCD_CLR ) ‘ Clear LCD Screen , Send Cursor Home LCD_Command ( NEXT_LINE ) ‘ Send Cursor to the beginning of the next line LCD_Command ( BACKSPACE ) ‘ Backspace LCD_Command ( CUR_LEFT ) ‘ Move Cursor One Position Left LCD_Command ( CUR_RIGHT ) ‘ Move Cursor One Position Right LCD_Command ( U_CUR ) ‘ Show Underlined Cursor LCD_Command ( B_CUR ) ‘ Show Blinking Cursor LCD_Command ( HIDE_CUR ) ‘ Hide Cursor LCD_Command ( BACKLIGHT_ON ) ‘ Turn On LCD Backlight LCD_Command ( BACKLIGHT_OFF ) ‘ Turn Off LCD Backlight LCD_Command ( CUSTOM0 ) ‘ Insert Custom Character 0 LCD_Command ( CUSTOM1 ) ‘ Insert Custom Character 1 LCD_Command ( CUSTOM2 ) ‘ Insert Custom Character 2 LCD_Command ( CUSTOM3 ) ‘ Insert Custom Character 3 LCD_Command ( CUSTOM4 ) ‘ Insert Custom Character 4 LCD_Command ( CUSTOM5 ) ‘ Insert Custom Character 5 LCD_Command ( CUSTOM6 ) ‘ Insert Custom Character 6 LCD_Command ( CUSTOM7 ) ‘ Insert Custom Character 7  LCD_Command ( INIT_CUSTOM ) ‘ Init Custom Character before using them LCD_Command ( INIT_HGRAPH ) ‘ Init Horizontal Graph before using them LCD_Command ( INIT_VGRAPH ) ‘ Init Vertical Graph before using them LCD_Command ( INIT_LARGE_FONT ) ‘ Init large font before using them
Description	Send LCD Command to Serial LCD

Procedure	Set_Backlight_Level(B As Byte)
Argument	Backlight Brightness Level 0 to 254 , where 254 is max brightness
Description	Control LCD Backlight Brightness

Procedure	Set_Backlight_AutoOff(I As Byte)
Argument	Backlight Auto Off Interval 0 to 255 seconds, setting to 0 will disable Auto Off
Description	Set Backlight auto turn off interval

Procedure	Set_Cursor_Position(row As Byte, column As Byte)
Argument	Row position ( 0 to 3 ), Column position ( 0 to 19 )
Description	Set Cursor Position

Procedure	Show_Saved_Screen(Page As Byte)
Argument	Page Number ( 0 to 4 )
Description	Display predefined saved screen.

Procedure	Left_Graph(Length As Byte)
Argument	Graph Length ( 1 to 100 )
Description	Draw left to right graph at current cursor position

Procedure	Right_Graph(Length As Byte)
Argument	Graph Length ( 1 to 100 )
Description	Draw right to left graph at current cursor position

Procedure	Vertical_Graph(column As Byte, height As Byte)
Argument	Column ( 0 to 19 ) , height ( 1 to 32 )
Description	Draw Vertical Graph at specified column of specified height
Procedure	Clear_Row(row As Byte)
Argument	Row ( 0 to 3 )
Description	Clear specified row
Procedure	Clear_Column(column As Byte)
Argument	Column ( 0 to 19 )
Description	Clear Specified Column
Procedure	Set_Outputs(Out As Byte)
Argument	Out = 0 All Output Off Out = 1 Output1 On, Output2 Off, Output3 Off Out = 2 Output1 Off, Output2 On, Output3 Off Out = 3 Output1 On, Output2 On, Output3 Off Out = 4 Output1 Off, Output2 Off, Output3 On Out = 5 Output1 On, Output2 Off, Output3 On Out = 6 Output1 Off, Output2 On, Output3 On Out = 7 All Output On
Description	Control Output Port
Procedure	Send_Large_Font(digit As String)
Argument	4 Digit Ascii Numeric
Description	Draw large font onto LCD
Procedure	Read_Port(port As Integer)
Argument	Read_Input Read_Port1 Read_Port2 Read_Port3 Read_Port4
Description	Read the value to digital and analog ports.  Serial LCD module will response with the requested value

**USAGE :**

**Each procedure call load "txbuff" transmit buffer with associate codes.  
Load txbuff to MSComm.Output transmit buffer to send codes to SC2004**