



**How to Select a Screen Field from Page 1**

```

` Find start of word
sx = CCol

Do
  Tmp = GetScreenText(sx, CRow, 1)
  If Tmp <= " " Then
    sx = sx + 1
    Exit Do
  End If
  If sx = 1 Then
    Exit Do
  End If
  sx = sx - 1
Loop
` Find end of word
ex = CCol + 1
Do
  Tmp = GetScreenText(ex, CRow, 1)
  If Tmp <= " " Then
    ex = ex - 1
    Exit Do
  End If
  If ex = 80 Then
    Exit Do
  End If
  ex = ex + 1
Loop

MarkBlock sx, CRow, ex, CRow
End Sub

```

Please notice that the preceding script might be of limited use since it does not differentiate between protected and non-protected data.

**2. SelectField.bas**

The next example selects a field delimited by character positions that are protected (i.e., parts of the screen protected from user input). Using the GetScreenAttribute function, the script masks out other possible attributes by using a logical AND (see "and 8" in the script, below). This guarantees that regardless of what other attributes are set, if the position is protected, it will be found.

This script is a bit different from the first. When the end of the field is determined, the script works backward until it finds a non-blank character or the beginning of the field. In this manner, the script guarantees that only the significant characters in the field are selected.

Another difference is that upon conclusion, this script places the text cursor at the beginning of the selected field and the screen is refreshed. Note: A ScreenRefresh is required anytime the screen is altered with SetCursor and/or SetScreenText subroutine calls.

```

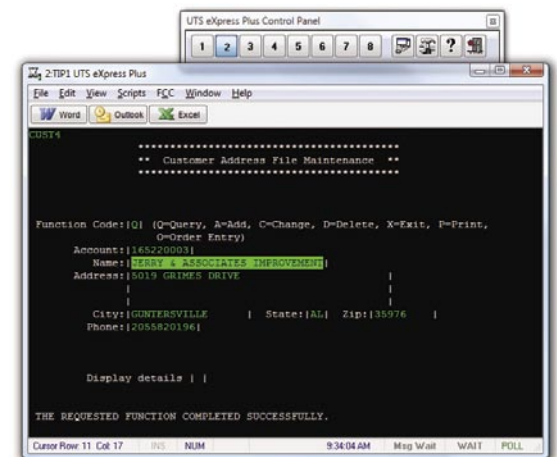
Sub Main()
  Dim CRow as Integer
  Dim CCol as Integer
  Dim SCol as Integer
  Dim ECol as Integer
  Dim FoundBlank as Integer
  Dim s as Integer
  Dim l as Integer
  Dim EndDel as String

  ` Get the cursor row and column.
  CRow = GetCursorRow()
  CCol = GetCursorCol()

  If (GetScreenAttribute(CCol, CRow) and 8) = 8 Then
    ` Cursor must be in an unprotected area.
    Exit Sub
  End If

  ` Find the end of the field (or end of the line)
  s = CCol
  ECol = 80
  Do
    If (GetScreenAttribute(s, CRow) and 8) = 8 Then
      s = s - 1
      ECol = s
    End If
  Loop

```



**LOL :)**

Seen in an IT technical forum on the Web:

"I've been programming for so long, that while the wheel may still be spinning, the hamster is long since dead."

How to Select a Screen Field from Page 2

```

Exit Do
End If
If s >= 80 Then
Exit Do
End If
s = s + 1
Loop
`s now points to character before next protected region
SCol = 1
FoundBlank = False
Do
If (GetScreenAttribute(s, CRow) and 8) = 8 Then
SCol = s + 1
Exit Do
End If
If FoundBlank = False and GetScreenText(s, CRow, 1) <> " " Then
FoundBlank = True
ECol = s
End If
If s = 1 Then
SCol = s
Exit Do
End If
s = s - 1
Loop
` Move the cursor the start of the field.
SetCursor SCol, CRow
` Mark the selection
MarkBlock SCol, CRow, ECol, CRow
RefreshScreen
` Done.
End Sub

```

Note: Both of these scripts are installed with eXpress as samples and may be found in the CONFIGURATION\Scripts folder of Application Data. They are limited to searching 80 columns on a single line, but may be refined to meet your specific needs. ■

## Case Study Follow-Up with Viking Electric

In a recent issue of Q-Tips, we published a case study with a customer that had recently migrated from another vendor's product, to our T27 eXpress Plus.

Let's jump in the "Way Back Machine" and set the dials for October of 2006...

### **What was the reason that your company started the search for an emulator?**

"We were dissatisfied with our previous emulation services vendor. They were responsive enough to our requests for service or information, but their yearly maintenance was quite expensive.

"Also, because all communications with the mainframe had to go through their proprietary server, that little server represented a single point of failure that we were increasingly unable to abide.

"The last straw, however, was that if we wanted to upgrade to a Unisys Libra mainframe, we would have to purchase additional equipment at a significant price, just to be able to keep using our old vendor's emulator."

Back to the present. We recently heard from Mr. Anderson about how the migration went and if T27 eXpress Plus is working out well for the company. The following is what he told us:

"I wanted to let you know that we com-

pleted our migration from the CS7101 to the Libra 595 last weekend, and had no problems with connectivity following the migration. We didn't have to change a thing at the workstation level; we just swapped IP addresses on the two mainframes, and told the users to close their emulator sessions and re-open them. Everything just worked.

"That's in stark contrast to your competitor, with whom I had to work very closely for the past couple of weeks, because, apparently, we're their first installation on the 11.0 operating system, and their software wasn't equipped to handle a couple changes to the way the OS handles certain types of resource requests. They refused to allow us to pull software from their server via ftp, so we lost a testing day while we waited for them to overnight the mainframe software to us..." He added, "I had to slip the implementation schedule a week to accommodate these delays, and even then the software wasn't quite right. It all worked out in the end, and while [their] tech support staff was helpful and friendly, by far the better experience, with respect to emulation, was with KMSYS Worldwide."

To read the case study in its entirety, please visit our web site at [www.kmsys.com](http://www.kmsys.com). Or, you can go directly to [www.kmsys.com/Q-Tips/Q-Tips\\_22-3.pdf](http://www.kmsys.com/Q-Tips/Q-Tips_22-3.pdf). ■



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