

View Print Unit
for
PowerBASIC

by:
Barry Erick

PowerBASIC ver 2.0 is missing the View Print command and this Unit will allow this command to be mimicked. There is only one variable that needs to be public in your program so all you need to do to use this unit is to add these two lines to a program:

```
$LINK "VP1.PBU"  
PUBLIC Vpatr%
```

You also need, of course, to add the calls to the procedures in this .pbu Unit. This is different from the GWBasic View Print, where only the top line and bottom line are specified; ViewPrint also specifies the left and right coordinates.

There are 7 routines in VP1.Pbu. They are:

1. Function SetVpatr
2. Procedure GetForeAndBack
3. Procedure ViewPrint
4. Procedure ClsVpWind
5. Procedure Vprint
6. Procedure VprintCk
7. Procedure VpLocate

The demo file, VPDemo1.Bas, uses each of these routines in its demo. The idea behind using this is to Get the vpatr (or attribute) you will use by using the function, SetVpatr and then calling ViewPrint to set or clear the window. The other routines are to be used while a view port is open. In detail:

Function SetVpatr

This function returns the attribute of a foreground and background color you send it. The calling sequence is:

```
Vpatr% = SetVpatr%(ForeColor%,BackColor%)
```

The variable Vpatr% should be used, as this is passed to the other routines. This could have remained private to the Unit, but the ability to work with the attribute in use can be beneficial.

Procedure GetForeAndBack

This procedure does just the opposite of the

function SetVpatr. Given the Vpatr%, this returns the Foreground% and Background% colors. Call using:
CALL GetForeAndBack (Vpatr%,ForeColor%,BackColor%)

- 2 -

Procedure ViewPrint

This procedure should be called once to open the view print window or port, and once again to close it. It is called with:

```
Call ViewPrint (TopRow%,BottomRow%,_
                LeftColumn%,RightColumn%)
```

Procedure CLSVpWind

This procedure does a clear screen within the view port using the Vpatr% attribute.

```
Call ClsVpWind
```

There are no parameters with this call.

Procedure VPrint

This prints a string within the view port. Unpredictable results if the string is longer than the width of the window.

```
Call Vprint (a$)
```

Procedure VprintCk

This routine simply places the cursor on the next line, scrolling if necessary, and allows you to use most PB screen related commands, such as Print Using and Input\$ within the window.

```
Call VprintCk
```

Procedure VpLocate

This procedure is analogous to the Locate statement but is relative to the view port window coordinates.

```
Call VpLocate (VPRow%,VpCol%)
```

If the parameters are -1, then that parameter carries the current CsrLin or Pos. For example:

```
Call VpLocate (-1,5)
```

indents on the current line to the 5th position. By the same token,

```
Call VpLocate (2,-1)
```

Stays at the same x coordinate and moves to line 2.

The author may be contacted via Compuserve (75300,214) or GENIE(B.ERICK). PowerBASIC Support on GENIE is in the IBM Product

Support RT on Page 115, CAtEgory 5 and on CIS in the IBM Vendor product Support Fourm, section 12. Go PCVenB at any prompt.