

Window Metrics

Export the VGHD registry

Find the value - "geomCVgMainDialog"

This sample has been trimmed so only that value remains.

The data after the value is what control the window location and size.

The data is represented twice

It is colorized in the example below

Windows Registry Editor Version 5.00

```
[HKEY_CURRENT_USER\Software\Totem\vghd]
"geomCVgMainDialog"=hex:40,00,42,00,79,00,74,00,65,00,41,00,72,00,72,00,61,00,\
79,00,28,00,01,00,d9,00,d0,00,cb,00,00,00,01,00,00,00,00,ff,00,ff,00,ff,\
00,f8,00,ff,00,ff,00,ff,00,fb,00,00,00,00,00,04,00,fd,00,00,00,00,00,03,00,\
00,00,ff,00,ff,00,ff,00,f8,00,ff,00,ff,00,fb,00,00,00,00,00,04,00,fd,\
00,00,00,00,00,00,03,00,00,00,00,00,00,00,00,00,00,00,00,00,29,00
```

Header =

```
40,00,42,00,79,00,74,00,65,00,41,00,72,00,72,00,61,00,79,00,\
28,00,01,00,d9,00,d0,00,cb,00,00,00,01,00,00,00,00,00
```

Upper left Corner

X = ff,00,ff,00,ff,00,f8,00 = ffffffff8 = -8

Y = ff,00,ff,00,ff,00,fb,00 = ffffffffbb = -5

Lower Right Corner

X = 00,00,00,00,00,04,00,fd,00 = 000004fd = 1277

Y = 00,00,00,00,00,03,00,00,00 = 00000300 = 768

Trailer = 00,00,00,00,00,00,00,00,00,00,00,00,00,00,29,00

Size is just the difference between the two corners

Width= 1277 - (-8) = 1285

Height = 768 - (-5) = 773

It is in double byte configuration, so drop the 00 on the end of the doublet

The resulting number is a Signed Hex Integer.

The range is

Hex 800000 to FFFFFFFF

DEC 2,147,483,648 to -2,147,483,647

Negative numbers:

If the value is > 2,147,483,648 then Subtract 4,294,967,296 from it..

Example :

FFFFFFFB = 4,294,967,291 so subtract 4,294,967,296 and you are left with -5

FFFFFFF8 = 4,294,967,291 so subtract 4,294,967,296 and you are left with -8