3Dmigoto常见问题: 没有小键盘怎么办

因为默认的hunting按键几乎都在小键盘上,所以如果你用的是笔记本电脑,缺少小键盘,有两种解决方案:

- 1.直接随便拼多多买个10元键盘用着
- 2.使用虚拟键盘
- 3.修改快捷键设置

随便买个键盘



虚拟键盘

按下win + ctrl + o召唤虚拟键盘:



出来之后他会悬浮在界面上,就可以方便的使用了。

修改快捷键设置

打开d3dx.ini, 找到[Hunting]

```
245
246
      [Hunting]
247
248
       ; 0: Release mode is with shader hunting disabled, optimized for speed.
249
       ; 1: Hunting mode enabled
250
       ; 2: Hunting mode "soft disabled" - can be turned on via the toggle_hunting key
251
       hunting=2
253
       ; Highlight mode of currently selected shader / rendertarget.
254
       ; "skip" = skip shader. don't render anything using the currently selected shader.
       ; "original" = fall back to original shader if the currently selected shader was patched.
256
       ; "pink" = make the output hot pink to make it standout.
       ; "mono" = disable stereo for the selected shader / rendertarget.
       marking mode-skip
259
260
       ; Cycle through available marking modes. VK_DECIMAL VK_NUMPAD0
261
       ; means hold the dot on the number pad while pressing numpad 0:
       next_marking_mode = no_modifiers VK_DECIMAL VK_NUMPAD0
       ; What action(s) to take when marking a selected shader/buffer
264
       ; "hlsl" = decompile shader to HLSL and copy to ShaderFixes
266
       ; "asm" = disassemble shader and copy to ShaderFixes (if hlsl is disabled or failed)
       ; "regex" = output ShaderRegex patched shader if applicable (NOTE: Will lose associated command 1
267
       ; "clipboard" = copy shader/buffer hash to clipboard
       ; "mono_snapshot" = take mono screenshot (previously called mark_snapshot=1)
270
       ; "stereo snapshot" = take stereo screenshot (previously called mark snapshot=2)
       ; "snapshot_if_pink" = limit mono/stereo_snapshot to when marking_mode=pink
```

往下滑你会发现:

```
; character. For everything else (including mouse buttons), use the virtual key
276
       ; name (with or without the VK_ prefix) or hex code from this article:
277
       ; http://msdn.microsoft.com/en-us/library/windows/desktop/dd375731(v=vs.85).aspx
278
279
       ; XBox controllers are supported using the same bindings as the [Key] sections
       ; (see above). If the game already uses the first controller you might try
281
       ; using the second controller for hunting with e.g. XB2_LEFT_SHOULDER
283
       ; rotate through all VISIBLE pixel shaders at the current scene.
       previous_pixelshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD1
284
       next pixelshader - no modifiers NO VK DECIMAL VK NUMPAD2
286
       mark_pixelshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD3
288
       ; rotate through all VISIBLE vertex shaders at the current scene.
289
       previous vertexshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD4
290
       next vertexshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD5
291
       mark_vertexshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD6
292
293
       ; rotate through all USED index buffers at the current scene.
294
       previous indexbuffer = no_modifiers NO_VK_DECIMAL VK_NUMPAD7
295
       next indexbuffer = no modifiers NO VK DECIMAL VK NUMPAD8
       mark indexbuffer = no modifiers NO_VK_DECIMAL VK_NUMPAD9
296
297
298
       ; rotate through all USED vertex buffers at the current scene.
299
       previous vertexbuffer - no modifiers NO VK DECIMAL VK DIVIDE
300
       next_vertexbuffer = no_modifiers NO_VK_DECIMAL VK_MULTIPLY
301
       mark vertexbuffer = no modifiers NO VK DECIMAL VK SUBTRACT
```

出现了一堆快捷键绑定,你可以根据注释和命名的规律来发现,这就是小键盘上的快捷键绑定设置。

在基础笔记中, 有给出过一个快捷键的列表

按键	英文	用途	
1	Numpad 1	上一个PS(pixel shader)	
2	Numpad 2	下一个PS(pixel shader)	
3	Numpad 3	标记PS(复制当前PS的hash地址)	
4	Numpad 4	上一个VS(vertex shader)	
5	Numpad 5	下一个VS(vertex shader)	
6	Numpad 6	标记VS(复制当前VS的hash地址)	
7	Numpad 7	上一个IB(index buffer)	
8	Numpad 8	下一个IB(index buffer)	
9	Numpad 9	标记IB(复制当前IB的hash地址)	
/	Divide	上一个VB(vertex buffer)	
*	Multiply	下一个VB(vertex buffer)	
_	Subtract	标记VB(复制当前VB的hash地址)	
Insert	Insert	上一个RT(render target)	

Home	Home	下一个RT(render target)	
Page	Page	标记RT(复制当前RT的hash地址)	
. + 1	Decimal + Numpad 1	上一个CS(compute shader)	
. + 2	Decimal + Numpad 2	下一个CS(compute shader)	
. + 3	Decimal + Numpad 3	标记CS(复制当前CS的hash地址)	
. + 4	Decimal + Numpad 4	上一个GS(geometry shader)	
. + 5	Decimal + Numpad 5	下一个GS(geometry shader)	
. + 6	Decimal + Numpad 6	标记GS(复制当前GS的hash地址)	
. + 7	Decimal + Numpad 7	上一个HS(hull shader)	
. + 8	Decimal + Numpad 8	下一个HS(hull shader)	
. + 9	Decimal + Numpad 9	标记HS(复制当前HS的hash地址)	
+	Add	结束Hunting,重置Hunting	
0	Numpad 0	开启或关闭Hunting	

再结合它的内容:

```
82
83
      ; rotate through all VISIBLE pixel shaders at the current scene.
84
      previous pixelshader = no modifiers NO VK DECIMAL VK NUMPAD1
85
      next pixelshader = no modifiers NO VK DECIMAL VK NUMPAD2
86
      mark pixelshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD3
87
88
      ; rotate through all VISIBLE vertex shaders at the current scene.
89
      previous vertexshader = no modifiers NO VK DECIMAL VK NUMPAD4
90
      next vertexshader = no modifiers NO VK DECIMAL VK NUMPAD5
91
      mark vertexshader = no_modifiers NO_VK_DECIMAL VK_NUMPAD6
92
      ; rotate through all USED index buffers at the current scene.
93
94
      previous indexbuffer = no modifiers NO VK_DECIMAL VK_NUMPAD7
95
      next indexbuffer = no modifiers NO VK DECIMAL VK NUMPAD8
96
      mark indexbuffer = no_modifiers NO_VK_DECIMAL VK_NUMPAD9
97
98
      ; rotate through all USED vertex buffers at the current scene.
99
      previous vertexbuffer = no modifiers NO VK DECIMAL VK DIVIDE
      next vertexbuffer = no_modifiers NO_VK_DECIMAL_VK_MULTIPLY
00
      mark vertexbuffer = no modifiers NO VK DECIMAL VK SUBTRACT
01
02
```

可以观察到:

NO_VK_DECIMAL指的是不按住小键盘的DECIMAL键,即.键

VK_DECIMAL指的是按住小键盘的DECIMAL键,即.键

VK_NUMPADn(这里的n指代数字)指的是小键盘上对应的n键

再结合它里面的注释内容,我们可以很容易猜到,它的命名规律就是VK_开头

```
8
     ; Re-enable shaders once done with hunting:
9
     done hunting = NO MODIFIERS NO VK DECIMAL VK ADD
31
     ; Screenshot as pns
     take screenshot = no modifiers VK SNAPSHOT
32
33
     ; reload all fixes from ShaderFixes folder
34
35
     reload fixes = no modifiers VK F10
36
37
     ; Key to turn hunting itself on/off. This will also show/hide over:
     ; Hunting must be set to either 1 or 2 to enable this toggle.
38
    toggle hunting = no modifiers NO VK DECIMAL VK NUMPADO
39
0
     ; Key to reload the settings from the d3dx.ini without restarting. !
1
12
     ; be the same key as reload fixes for convenience, or a different ke
13
     ; used to avoid resetting the ini parameters every time the shaders
    ; reloaded. Note that not all settings can be reloaded, so if sometl
4
1.5
    ; work as expected you may still have to restart the game:
6
    reload config = no modifiers VK F10
7
     ; Deletes the d3dx user.ini file and reloads settings to get a "cleater and reloads settings"
8
     wipe user config = ctrl alt no_shift VK_F10
  ; Shows the CPU utilisation and performance impact of every a
  monitor performance = ctrl no shift no alt F9
  ; Freeze the current performance monitor display and log to t
  freeze performance monitor = no ctrl shift no alt F9
  ; Sets how often the performance monitor updates
  monitor performance interval = 2.0
  ; Auto-repeat key rate in events per second.
  renest rate=6
```

也有一些不用vk开头的,经过仔细观察,你就可以把按键改为其它按键了,比如ctrl no_shift F1就是按住ctrl + F1触发对应命令。

按照这个思路,你只需要把原来108键键盘绑定在小键盘上的按键,移植到88键的键盘按键上就可以正常使用Hunting了。

当然, 工欲善其事, 必先利其器, 最方便的方法还是买个新键盘。