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Subject: Ctrl key pressed while LeftDown: detection.  
Posted by [281264](#) on Thu, 05 Aug 2010 15:03:47 GMT  
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Hi,

mouse is pressed? I see the parameter dword keyflag in LeftDown function, but what are the combinations of keyflags for Shift, Ctrl and Alt?

Cheers,

Javier

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Subject: Re: Ctrl key pressed while LeftDown: detection.  
Posted by [dolik.rce](#) on Thu, 05 Aug 2010 15:57:07 GMT  
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281264 wrote on Thu, 05 August 2010 17:03Hi,

mouse is pressed? I see the parameter dword keyflag in LeftDown function, but what are the combinations of keyflags for Shift, Ctrl and Alt?

Cheers,

Javier

Hi Javier,

Simple answer: Each bit in keyflag stands for one action (not necessarily key press). The easiest way to check what is pressed is using the K\_\* enums defined in CtrlCore:enum {

K\_DELTA = 0x010000,

K\_ALT = 0x080000,

K\_SHIFT = 0x040000,

K\_CTRL = 0x020000,

K\_KEYUP = 0x100000,

K\_MOUSEMIDDLE = 0x200000,

K\_MOUSERIGHT = 0x400000,

K\_MOUSELEFT = 0x800000,

K\_MOUSEDOUBLE = 0x1000000,

K\_MOUSETRIPLE = 0x2000000,

```
K_SHIFT_CTRL = K_SHIFT|K_CTRL,  
};
```

So to check if alt and shift are pressed you would do `keyflags&(K_ALT|K_SHIFT)` etc.

More generally, there are `bool GetShift()`, `GetCtrl()`, `GetAlt()`, `GetCapsLock()` and `GetMouse*()` functions, which can be used to query the keys and mousebuttons anywhere in the code. Those are not used much. Incidentally, I just found them yesterday

Honza

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