

---

Subject: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [fudadmin](#) on Fri, 28 Jan 2011 05:41:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

on OSX, as it has been mentioned in the forums, upp menus are shown.  
I have found out that they are displayed under the application window and parent is desktop root window. Or popups are displayed miles away on top of other apps.

As a quick fix, I applied in X11Wnd.cpp

```
void Ctrl::Create0(Ctrl *owner, bool redirect, bool savebits)
{
...
Window dad;
if(IsPopUp())
{
    dad = (owner->top)->window;
}
else
    dad = RootWindow(Xdisplay, Xscreenno);

Window w = XCreateWindow(Xdisplay, dad,
                        r.left, r.top, r.Width(), r.Height(),
                        0, CopyFromParent, InputOutput, CopyFromParent,
                        CWBitGravity|CWSaveUnder|CWOverrideRedirect|
                        (IsCompositedGui() ? CWBackPixel : CWBackPixmap),
                        &swa);
if(!w) XError("XCreateWindow failed !");
...

```

also popup=true; before Create  
the menus are displayed now but by the size of a window bar lower.

I guess that there is also a problem with focusCtrl.  
Before I explore any deeper could someone tell:

Are menus supposed to have parent RootWindow(Xdisplay, Xscreenno); in upp?

```
and
void MenuBar::PopUp(Ctrl *owner, Point p, Size rsz)
{
    bool szcx = true;
    bool szcy = true;
    bool szx = false;
    bool szy = false;
    if(parentmenu) {

```

```
if(parentmenu->IsChild())
    szcx = false;
else
    szcy = false;
WhenHelp = parentmenu->WhenHelp;
}
Rect r = GetWorkArea(p);
```

Rect r = the whole screen?

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [mirek](#) on Fri, 28 Jan 2011 11:37:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Fri, 28 January 2011 00:41 on OSX, as it has been mentioned in the forums,  
upp menus are shown.

I have found out that they are displayed under the application window and parent is desktop root  
window. Or popups are displayed miles away on top of other apps.

As a quick fix, I applied in X11Wnd.cpp

```
void Ctrl::Create0(Ctrl *owner, bool redirect, bool savebits)
{
...
Window dad;
if(IsPopUp())
{
    dad = (owner->top)->window;
}
else
    dad = RootWindow(Xdisplay, Xscreenno);

Window w = XCreateWindow(Xdisplay, dad,
                        r.left, r.top, r.Width(), r.Height(),
                        0, CopyFromParent, InputOutput, CopyFromParent,
                        CWBitGravity|CWSaveUnder|CWOverrideRedirect|
                        (IsCompositedGui() ? CWBackPixel : CWBackPixmap),
                        &swa);
if(!w) XError("XCreateWindow failed !");
...

```

also popup=true; before Create  
the menus are displayed now but by the size of a window bar lower.

I guess that there is also a problem with focusCtrl.  
Before I explore any deeper could someone tell:

Are menus supposed to have parent RootWindow(Xdisplay, Xscreenno); in upp?

Of course. Not possible to do this any other way. Parent clips content of its child, so if we want menus to extend "outside" its owner window, parent has to be RootWindow.

Quote:

```
void MenuBar::PopUp(Ctrl *owner, Point p, Size rsz)
{
  bool szcx = true;
  bool szcy = true;
  bool szx = false;
  bool szy = false;
  if(parentmenu) {
    if(parentmenu->IsChild())
      szcx = false;
    else
      szcy = false;
    WhenHelp = parentmenu->WhenHelp;
  }
  Rect r = GetWorkArea(p);
```

Rect r = the whole screen?

In most cases, yes.

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [mirek](#) on Fri, 28 Jan 2011 11:42:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Fri, 28 January 2011 00:41 on OSX, as it has been mentioned in the forums,  
upp menus are shown.

I have found out that they are displayed under the application window and parent is desktop root window. Or popups are displayed miles away on top of other apps.

Actually, on top of everything else is OK. This is the only way X11 can do...

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Fri, 28 Jan 2011 12:29:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Fri, 28 January 2011 11:42fudadmin wrote on Fri, 28 January 2011 00:41on OSX, as it has been mentioned in the forums, upp menus are shown.

I have found out that they are displayed under the application window and parent is desktop root window. Or popups are displayed miles away on top of other apps.

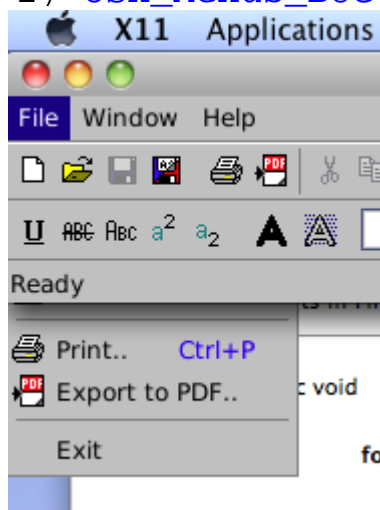
Actually, on top of everything else is OK. This is the only way X11 can do...

but this is not ok?

### File Attachments

---

1) [OSX\\_Menus\\_BUG.png](#), downloaded 1178 times



---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Fri, 28 Jan 2011 13:03:43 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I think I have the remedy.

in CtrlKbd.cpp,

if I comment the line

```
topwindow->SetWndForeground(); // cxl 2007-4-27
```

the menus are displayed properly. Any side effects from your point of view?

like this:

```

bool Ctrl::SetFocus0(bool activate)
{
    GuiLock __;
    if(IsUsrLog())
        UsrLogT(6, String().Cat() << "SETFOCUS " << Desc(this));
    LLOG("Ctrl::SetFocus " << Desc(this));
    LLOG("focusCtrlWnd " << UPP::Name(focusCtrlWnd));
    LLOG("Ctrl::SetFocus0 -> deferredSetFocus = NULL; was: " << UPP::Name(deferredSetFocus));
    defferedSetFocus = NULL;
    if(focusCtrl == this) return true;
    if(!IsOpen() || !IsEnabled() || !IsVisible()) return false;
    Ptr<Ctrl> pfocusCtrl = focusCtrl;
    Ptr<Ctrl> topwindow = GetTopWindow();
    Ptr<Ctrl> topctrl = GetTopCtrl();
    Ptr<Ctrl> _this = this;
    if(!topwindow) topwindow = topctrl;
    LLOG("SetFocus -> SetWndFocus: topwindow = " << UPP::Name(topwindow) << ", focusCtrlWnd
= " << UPP::Name(focusCtrlWnd));
    if(!topwindow->HasWndFocus() && !topwindow->SetWndFocus()) return false;// cxi 31.1.2004
// topwindow->SetWndForeground(); // cxi 2007-4-27
    LLOG("SetFocus -> focusCtrl = this: " << FormatIntHex(this) << ", _this = " <<
FormatIntHex(~_this) << ", " << UPP::Name(_this));
    focusCtrl = _this;
    focusCtrlWnd = topwindow;
    DoKillFocus(pfocusCtrl, _this);
    LLOG("SetFocus 2 - after DoKillFocus");
    DoDeactivate(pfocusCtrl, _this);
    DoSetFocus(pfocusCtrl, _this, activate);
    if(topwindow)
        lastActiveWnd = topwindow;
    return true;
}

```

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Sat, 29 Jan 2011 19:39:15 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Fri, 28 January 2011 08:03I think I have the remedy.

in CtrlKbd.cpp,

if I comment the line

```
topwindow->SetWndForeground(); // cxi 2007-4-27
```

the menus are displayed properly. Any side effects from your point of view?

Well looks like X11 on macosx is not really 100% compliant. No wonder, X11 is absolute mess.

Well, I guess there might be sideeffect - I would use

```
#ifndef PLATFORM_OSX11
```

there.

Mirek

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Sat, 29 Jan 2011 20:15:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Sat, 29 January 2011 19:39fudadmin wrote on Fri, 28 January 2011 08:03I think I have the remedy.

in CtrlKbd.cpp,

if I comment the line

```
topwindow->SetWndForeground(); // cxl 2007-4-27
```

the menus are displayed properly. Any side effects from your point of view?

Well looks like X11 on macosx is not really 100% compliant. No wonder, X11 is absolute mess.

Well, I guess there might be sideeffect - I would use

```
#ifndef PLATFORM_OSX11
```

there.

Mirek

But have you read this?

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Sun, 30 Jan 2011 08:51:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Would

```
if(active) wnd->SetWndForeground();
```

work for you?

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 12:04:48 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

blind try - this works:

```
if(focusCtrl) focusCtrl->SetWndForeground();
```

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [dolik.rce](#) on Mon, 31 Jan 2011 13:12:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 13:04mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

blind try - this works:

```
if(focusCtrl) focusCtrl->SetWndForeground();
```

I believe it should have been 

```
if(activate) wnd->SetWndForeground();
```

At least that is what I did and it helped.

Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,

owner=RootWindow

Posted by [mirek](#) on Mon, 31 Jan 2011 13:12:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 07:04mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

blind try - this works:

```
if(focusCtrl) focusCtrl->SetWndForeground();
```

Ops, should have been 'activate' (param of the function).

BTW, FYI, this call to SetWndForeground is quite essential, as we simply expect that setting focus activates the window (puts it to foreground).

Mirek

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Mon, 31 Jan 2011 13:13:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

dolik.rce wrote on Mon, 31 January 2011 08:12fudadmin wrote on Mon, 31 January 2011 13:04mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

blind try - this works:

```
if(focusCtrl) focusCtrl->SetWndForeground();
```

I believe it should have been 

```
if(activate) wnd->SetWndForeground();
```

At least that is what I did and it helped.

Honza

Did it? It's a great news then

Mirek

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [dolik.rce](#) on Mon, 31 Jan 2011 13:51:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Mon, 31 January 2011 14:13dolik.rce wrote on Mon, 31 January 2011 08:12if(activate) wnd->SetWndForeground();At least that is what I did and it helped.

Honza

Did it? It's a great news then

Mirek

Well, it did fix the annoying behavior of theide stealing the focus to other programs Not sure about OSX...

I still don't understand why is it necessary to SetWndForeground when setting focus. I would expect window manager to take care of that in case of user causes the focus change (e.g. by clicking in the window). In case of setting the focus from code, it should IMHO be up to programmer to decide if the window should get activated. And the programmer should use it very rarely, as it is quite annoying

Honza

PS: And it didn't solve Radeks problems in the other thread...

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 14:01:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Mon, 31 January 2011 13:13dolik.rce wrote on Mon, 31 January 2011 08:12fudadmin wrote on Mon, 31 January 2011 13:04mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

```
blind try - this works:if(focusCtrl) focusCtrl->SetWndForeground();
```

I believe it should have been `if(activate) wnd->SetWndForeground();` At least that is what I did and it helped.

Honza

Did it? It's a great news then

Mirek

Honza's proposed solution was based on a wrong believe . Because - error: "wnd is not declared". What works is:

```
if(activate) {  
// topwindow->SetWndForeground(); //this prevents menus in OSX11  
  focusCtrl->SetWndForeground();  
}
```

if I understand correctly, if a menu pane is activated it should become focusCtrl and it should be put into foreground

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 14:09:17 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

This works as well :

```
if(activate) _this->SetWndForeground();
```

Maybe such was the intention?

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Mon, 31 Jan 2011 14:09:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 09:01mirek wrote on Mon, 31 January 2011 13:13dolik.rce wrote on Mon, 31 January 2011 08:12fudadmin wrote on Mon, 31 January 2011 13:04mirek wrote on Sun, 30 January 2011 08:51Would

```
if(active) wnd->SetWndForeground();
```

work for you?

error: active is not declared

blind try - this works: `if(focusCtrl) focusCtrl->SetWndForeground();`

I believe it should have been `if(activate) wnd->SetWndForeground();` At least that is what I did and it helped.

Honza

Did it? It's a great news then

Mirek

Honza's proposed solution was based on a wrong believe . Because - error: "wnd is not declared". What works is:

```
if(activate) {  
// topwindow->SetWndForeground(); //this prevents menus in OSX11  
  focusCtrl->SetWndForeground();  
}
```

if I understand correctly, if a menu pane is activated it should become focusCtrl and it should be put into foreground

Oh, I guess I have made a mistake with ids, sorry.

Should have been:

```
if(activate)  
  topwindow->SetWndForeground();
```

It cannot be focusCtrl, as focusCtrl is not required to be topctrl...

Anyway, now looking at it, perhaps the really correct solution is

```
topctrl->SetWndForeground();
```

or maybe

```
if(activate)  
  topctrl->SetWndForeground();
```

If you have time to check in osx11 and/or linux, it would be very helpful.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [dolik.rce](#) on Mon, 31 Jan 2011 14:18:23 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Oups, I made a mistake by copy/pasting from some other post I actually just added the  
if(activate) to the already existing line. So to clear it up: Quote:if(activate)  
topwindow->SetWndForeground(); //works for me

Sorry for confusion,  
Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 14:25:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Mon, 31 January 2011 14:09[or maybe

```
if(activate)
    topctrl->SetWndForeground();
```

If you have time to check in osx11 and/or linux, it would be very helpful.

This works on osx11! I don't have linux. Honza could check, please.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow

Posted by [dolik.rce](#) on Mon, 31 Jan 2011 15:03:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 15:25mirek wrote on Mon, 31 January 2011 14:09[or  
maybe

```
if(activate)
    topctrl->SetWndForeground();
```

If you have time to check in osx11 and/or linux, it would be very helpful.

This works on osx11! I don't have linux. Honza could check, please.  
Appears to work fine on Linux too.  
Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow  
Posted by [fudadmin](#) on Mon, 31 Jan 2011 15:15:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Sorry, just noticed that this way is better:

```
if(activate) {  
    if(!this->IsPopUp())  
        topwindow->SetWndForeground();  
    else  
        focusCtrl->SetWndForeground();  
}
```

the previous

```
if(activate)  
    topctrl->SetWndForeground();
```

causes flickering of the window frame, shadows and titlebar.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow  
Posted by [fudadmin](#) on Mon, 31 Jan 2011 16:17:35 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 15:15: Sorry, just noticed that this way is better:

```
if(activate) {  
    if(!this->IsPopUp())  
        topwindow->SetWndForeground();  
    else  
        focusCtrl->SetWndForeground();  
}
```

the previous

```
if(activate)  
    topctrl->SetWndForeground();
```

causes flickering of the window frame, shadows and titlebar.

Sorry once again. I rushed. The above causes menu disappear when trying to select. I will try to investigate deeper - I need to understand more of the logic here. At least now I can work faster because I have ultimate++ theide quite useable in osx11.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Mon, 31 Jan 2011 16:28:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Mon, 31 January 2011 11:17fudadmin wrote on Mon, 31 January 2011 15:15Sorry, just noticed that this way is better:

```
if(activate) {
    if(!this->IsPopUp())
        topwindow->SetWndForeground();
    else
        focusCtrl->SetWndForeground();
}
```

the previous

```
if(activate)
    topctrl->SetWndForeground();
```

causes flickering of the window frame, shadows and titlebar.

Sorry once again. I rushed. The above causes menu disappear when trying to select. I will try to investigate deeper - I need to understand more of the logic here. At least now I can work faster because I have ultimate++ theide quite useable in osx11.

So, should I put

```
if(activate)
    topctrl->SetWndForeground();
```

into trunk for now? Is flickering the only problem now?

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 16:39:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Mon, 31 January 2011 16:28fudadmin wrote on Mon, 31 January 2011 11:17fudadmin wrote on Mon, 31 January 2011 15:15Sorry, just noticed that this way is better:

```
if(activate) {
    if(!this->IsPopUp())
        topwindow->SetWndForeground();
    else
        focusCtrl->SetWndForeground();
}
```

the previous

```
if(activate)
    topctrl->SetWndForeground();
```

causes flickering of the window frame, shadows and titlebar.

Sorry once again. I rushed. The above causes menu disappear when trying to select. I will try to investigate deeper - I need to understand more of the logic here. At least now I can work faster

because I have ultimate++ theide quite useable in osx11.

So, should I put

```
if(activate)
    topctrl->SetWndForeground();
```

into trunk for now? Is flickering the only problem now?

Could go into trunk for now. I'll try to find out what causes that flickering. I haven't noticed anything else bad.

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Mon, 31 Jan 2011 18:34:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

```
if(activate && !topctrl->IsPopUp())
    topwindow->SetWndForeground();
```

no more flickering and menus works well!

Bet I feel (tried a bit...) that now it is possible to optimize (do not use redundant focus change in some cases in the code below that line:

```
focusCtrl = _this;
focusCtrlWnd = topwindow;
DoKillFocus(pfocusCtrl, _this);
LLOG("SetFocus 2 - after DoKillFocus");
DoDeactivate(pfocusCtrl, _this);
DoSetFocus(pfocusCtrl, _this, activate);
if(topwindow)
    lastActiveWnd = topwindow;
return true;
```

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Tue, 01 Feb 2011 18:29:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

```
fudadmin wrote on Mon, 31 January 2011 13:34if(activate && !topctrl->IsPopUp())
    topwindow->SetWndForeground();
```

no more flickering and menus works well!

Does this variant work in linux too?

Mirek

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [dolik.rce](#) on Tue, 01 Feb 2011 21:51:43 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Tue, 01 February 2011 19:29fudadmin wrote on Mon, 31 January 2011

13:34if(activate && !topctrl->IsPopUp())

topwindow->SetWndForeground();

no more flickering and menus works well!

Does this variant work in linux too?

Mirek

It works in the sense of "compiles and runs". But with this solution theide still comes to foreground when linking is finished. I would prefer some solution that removes that behavior.

Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [fudadmin](#) on Wed, 02 Feb 2011 12:49:02 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I've just discovered that this `if(activate && !topctrl->IsPopUp())`

`topwindow->SetWndForeground();`

doesn't solve all popups. E.g in theide left botton file list popup are still opening under the main window... . I guess because theide immediately activates file contents in the editor window, so the editor steals the focus? I'll try to investigate deeper.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,

owner=RootWindow

Posted by [fudadmin](#) on Wed, 02 Feb 2011 16:42:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

ok, semi-blind fix. I do not know which cases or intentions should be covered with SetWndForeground.. It looks working well on osx11:

```
focusCtrl = _this;
focusCtrlWnd = topwindow;
DoKillFocus(pfocusCtrl, _this);
LLOG("SetFocus 2 - after DoKillFocus");
DoDeactivate(pfocusCtrl, _this);
if( !topctrl->IsPopUp() )
    _this->SetWndForeground();
DoSetFocus(pfocusCtrl, _this, activate);
if(topwindow)
    lastActiveWnd = topwindow;
return true;
```

I just thought that there's no good logic to put ->SetWndForeground before DoDeactivate. also, I removed if(activate) because that prevented Assist popup getting focus and wheel was not working.

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [dolik.rce](#) on Thu, 03 Feb 2011 18:20:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

fudadmin wrote on Wed, 02 February 2011 17:42ok, semi-blind fix. I do not know which cases or intentions should be covered with SetWndForeground.. It looks working well on osx11:

```
focusCtrl = _this;
focusCtrlWnd = topwindow;
DoKillFocus(pfocusCtrl, _this);
LLOG("SetFocus 2 - after DoKillFocus");
DoDeactivate(pfocusCtrl, _this);
if( !topctrl->IsPopUp() )
    _this->SetWndForeground();
DoSetFocus(pfocusCtrl, _this, activate);
if(topwindow)
    lastActiveWnd = topwindow;
return true;
```

I just thought that there's no good logic to put ->SetWndForeground before DoDeactivate. also, I removed if(activate) because that prevented Assist popup getting focus and wheel was not

working.  
Sounds logical and works well for me on X11.

Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow  
Posted by [dolik.rce](#) on Mon, 25 Apr 2011 17:41:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

After compiling theide on OpenBSD, I noticed that it also suffers from this problem and that no fix was committed so far...

Using `if(activate) topctrl->SetWndForeground();` in `SetFocus0()` as described above by fudadmin seems to fix it correctly. Could this fix be committed (at least with `#ifdef PLATFORM_BSD`) ?

Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow  
Posted by [mirek](#) on Sat, 30 Apr 2011 17:07:12 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I have to admit I am little bit lost about what code change required...

Could you provide complete `SetFocus0` please?

Mirek

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow  
Posted by [dolik.rce](#) on Sat, 30 Apr 2011 18:20:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Sat, 30 April 2011 19:07 I have to admit I am little bit lost about what code change required...

Could you provide complete `SetFocus0` please?

Mirek

---

I understand, I had trouble finding the fix in this thread as well

```
bool Ctrl::SetFocus0(bool activate)
{
    GuiLock __;
    if(IsUsrLog())
        UsrLogT(6, String().Cat() << "SETFOCUS " << Desc(this));
    LLOG("Ctrl::SetFocus " << Desc(this));
    LLOG("focusCtrlWnd " << UPP::Name(focusCtrlWnd));
    LLOG("Ctrl::SetFocus0 -> deferredSetFocus = NULL; was: " << UPP::Name(deferredSetFocus));
    defferedSetFocus = NULL;
    if(focusCtrl == this) return true;
    if(!IsOpen() || !IsEnabled() || !IsVisible()) return false;
    Ptr<Ctrl> pfocusCtrl = focusCtrl;
    Ptr<Ctrl> topwindow = GetTopWindow();
    Ptr<Ctrl> topctrl = GetTopCtrl();
    Ptr<Ctrl> _this = this;
    if(!topwindow) topwindow = topctrl;
    LLOG("SetFocus -> SetWndFocus: topwindow = " << UPP::Name(topwindow) << ", focusCtrlWnd
= " << UPP::Name(focusCtrlWnd));
    if(!topwindow->HasWndFocus() && !topwindow->SetWndFocus()) return false;// cxi 31.1.2004
    if(activate) topctrl->SetWndForeground(); // <- this line changed
    LLOG("SetFocus -> focusCtrl = this: " << FormatIntHex(this) << ", _this = " <<
FormatIntHex(~_this) << ", " << UPP::Name(_this));
    focusCtrl = _this;
    focusCtrlWnd = topwindow;
    DoKillFocus(pfocusCtrl, _this);
    LLOG("SetFocus 2");
    DoDeactivate(pfocusCtrl, _this);
    DoSetFocus(pfocusCtrl, _this, activate);
    if(topwindow)
        lastActiveWnd = topwindow;
    return true;
}
```

Tested on OpenBSD+gcc4.2 and Linux+gcc4.6, seems to work fine on both...

Honza

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow,  
owner=RootWindow  
Posted by [mirek](#) on Sun, 01 May 2011 17:42:49 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Applied...

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Wed, 04 May 2011 09:58:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Sun, 01 May 2011 13:42Applied...

Unfortunately, this patch causes flashing of window titlebar in Win32 when working with menu.

For now, I have used `#ifdef PLATFORM_POSIX`, but I hope there is some better solution...

Anyway, it needs to be

```
#ifdef PLATFORM_POSIX
if(activate) // Dolik/fudadmin 2011-5-1
  topctrl->SetWndForeground();
#else
topwindow->SetWndForeground(); // cxi 2007-4-27
#endif
```

I guess the problem is different handling of popups in Win32 vs X11.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Wed, 04 May 2011 10:00:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I believe the right solution is to change PopUp method, not SetFocus0...

Perhaps something around X11Wnd.cpp line 518...

Maybe adding `_NET_WM_STATE_ABOVE` too?

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [dolik.rce](#) on Wed, 04 May 2011 10:50:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

mirek wrote on Wed, 04 May 2011 12:00I believe the right solution is to change PopUp method, not SetFocus0...

Perhaps something around X11Wnd.cpp line 518...

---

Maybe adding `_NET_WM_STATE_ABOVE` too?

`_NET_WM_STATE_ABOVE` might be a solution for menus, but I'm not sure if it won't cause trouble with popups in general. It might lead to situations where popup stays hanging on screen. I am no X11 expert, but I remember such things happening in past with U++.

Honza

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [mirek](#) on Wed, 04 May 2011 11:25:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

dolik.rce wrote on Wed, 04 May 2011 06:50mirek wrote on Wed, 04 May 2011 12:00I believe the right solution is to change PopUp method, not SetFocus0...

Perhaps something around X11Wnd.cpp line 518...

Maybe adding `_NET_WM_STATE_ABOVE` too?

`_NET_WM_STATE_ABOVE` might be a solution for menus, but I'm not sure if it won't cause trouble with popups in general. It might lead to situations where popup stays hanging on screen. I am no X11 expert, but I remember such things happening in past with U++.

I guess that would be another kind of error anyway.

---

---

Subject: Re: [BUG?] X11 (at least OSX) Menus displayed under TopWindow, owner=RootWindow

Posted by [xzsa](#) on Wed, 04 May 2011 19:11:35 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Since last update (3401 - Arch Linux x86-64) I can also report flashing of window titlebar when working with menus.

---