Subject: DHCtrl for GTK backend - help needed
Posted by Zbych on Mon, 23 Mar 2015 15:14:16 GMT
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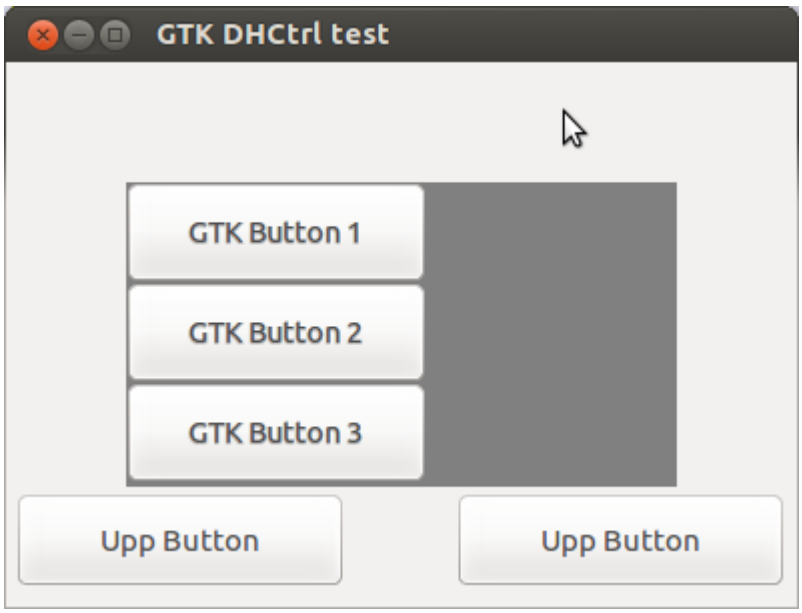
Hi,

I am trying to implement DHCtrl for gtk backend, to embed a gtk application in Upp window.
The problem is that I don't know how to set coordinates of gtk child window (returned by gtk_event_box_new) in Upp main window (returned by GetTopCtrl()->gtk()).

Could someone more familiar with gtk tell me how to do this properly?
I tried to use fixed layout, but in the end I need to pass GetWidget* to embedded application, not GtkFixed*.

File Attachments

1) Zrzut ekranu z 2015-03-23 16.06.54.png, downloaded 1459 times



2) GtkTest.7z, downloaded 506 times

Subject: Re: DHCtrl for GTK backend - help needed
Posted by Klugier on Sun, 26 Apr 2015 10:59:31 GMT
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Hello Zbych,

Several weeks ago I tried to implement refined GLCtrl for GTK. But I failed, because I don't know

how to embed GTKWindow inside UppWidget. Please notice that current GlCtrl implementation for GTK paints it context to pixmap then the pixmap is drawing by upp widget. As you can see this solution is slow and doesn't have several OpenGL features like double buffering.

So, I would like to ask you it is possible in current upp gtk implementation to develop DHCtrl? Did you do any progress since your last post?

Sincerely,
Klugier

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mirek on Sun, 26 Apr 2015 12:01:56 GMT
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Klugier wrote on Sun, 26 April 2015 12:59Hello Zbych,

Several weeks ago I tried to implement refined GLCtrl for GTK. But I failed, because I don't know how to embed GTKWindow inside UppWidget. Please notice that current GlCtrl implementation for GTK paints it context to pixmap then the pixmap is drawing by upp widget. As you can see this solution is slow and doesn't have several OpenGL features like double buffering.

So, I would like to ask you it is possible in current upp gtk implementation to develop DHCtrl? Did you do any progress since your last post?

Sincerely,
Klugier

Well, I have sort of failed, thus the current GlCtrl implementation.

However, one possible plan is to turn the whole thing around: Create a new alternative Gtk backend that is using GL on toplevel window...

Mirek

Subject: Re: DHCtrl for GTK backend - help needed
Posted by Zbych on Sun, 26 Apr 2015 17:56:38 GMT
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Hi Klugier,

Unfortunately I had no time to investigate it further. I need this class to embed CEF in Linux/GTK, but meantime I use Linux/X11.

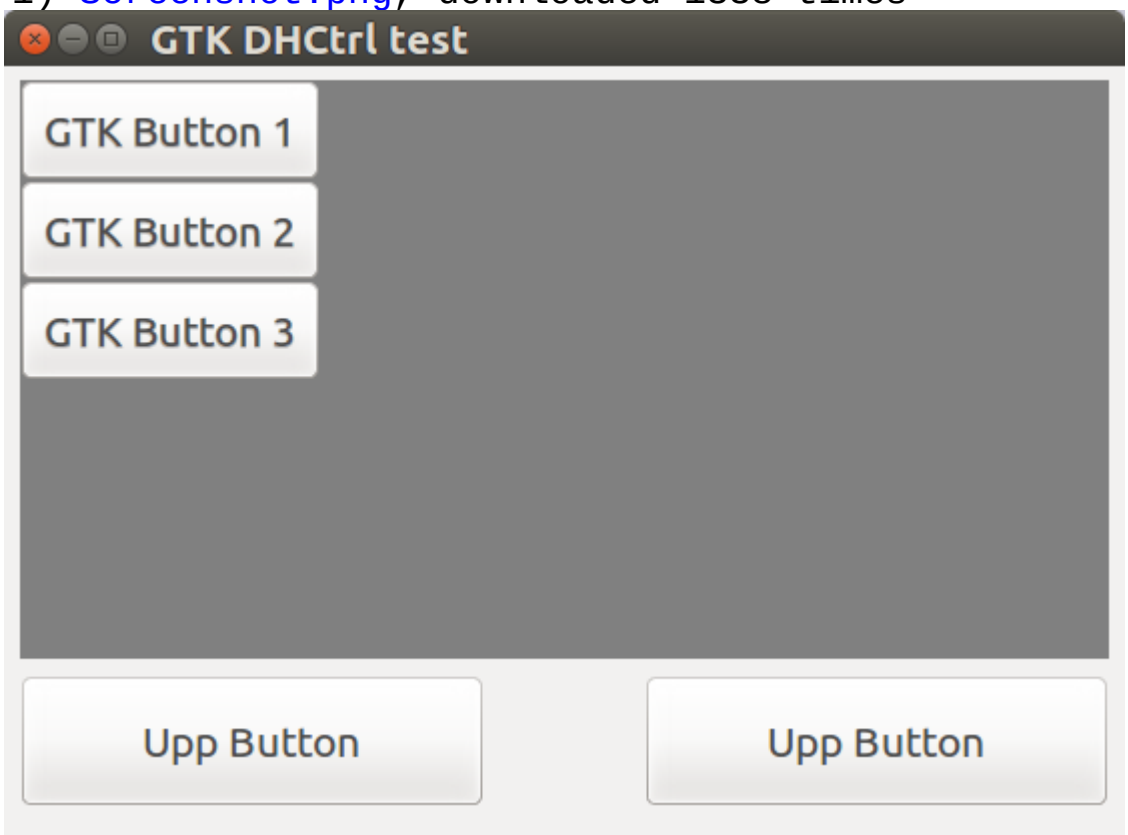
Subject: Re: DHCtrl for GTK backend - help needed
Posted by Zbych on Fri, 01 May 2015 19:43:32 GMT
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Klugier wrote on Sun, 26 April 2015 12:59
So, I would like to ask you it is possible in current upp gtk implementation to develop DHCtrl? Did you do any progress since your last post?

I made some progress. Attached version seems to be working. I tested it with embedded chromium and everything looks fine except keyboard events (embedded application doesn't receive key up/down events).

File Attachments

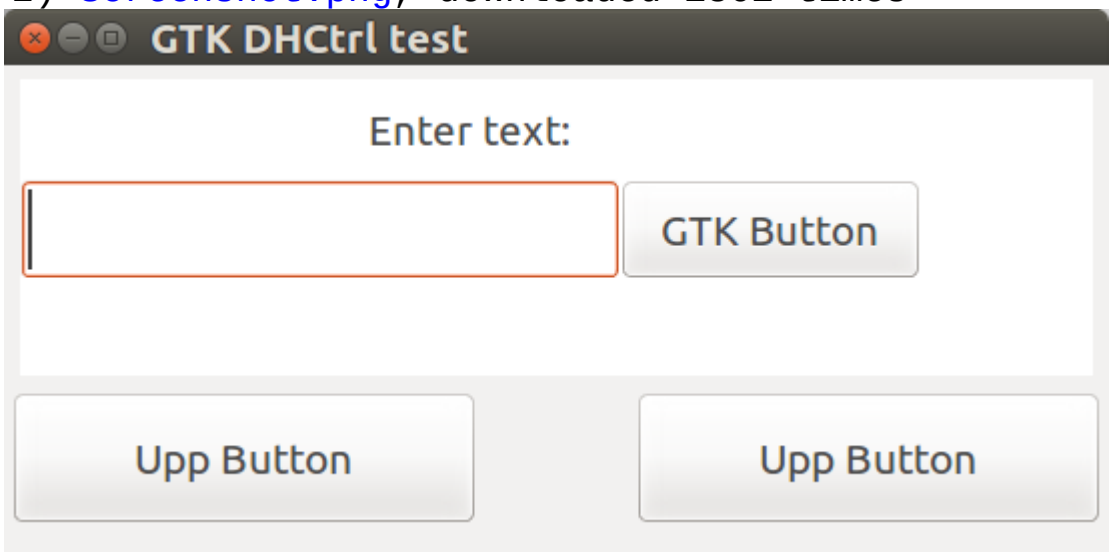
1) Screenshot.png, downloaded 1338 times



Subject: Re: DHCtrl for GTK backend - help needed
Posted by Zbych on Sat, 02 May 2015 11:36:59 GMT
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Another test case showing problem with keyboard.

File Attachments
1) GtkTest.7z, downloaded 691 times
2) Screenshot.png, downloaded 1361 times



Subject: Re: DHCtrl for GTK backend - help needed
Posted by Klugier on Sat, 02 May 2015 12:10:00 GMT
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mirek wrote on Sun, 26 April 2015 14:01
However, one possible plan is to turn the whole thing around: Create a new alternative Gtk backend that is using GL on toplevel window...

Hello Mirek,

I think we should develop polished and working OpenGL for GTK backend. Like we do on all other major platforms. So, I think DHCtrl is a step in good direction. When we did this It shouldn't be difficult to implement good GLCtrl.

Sincerely,
Klugier

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mdelfede on Mon, 27 Aug 2018 17:10:36 GMT
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Hi,

I revive this old topic because I'm trying to get DHCtrl work in GTK mode.
I tested the code posted here, it's sort of working (blinking a lot, but I guess that's solvable)
but the real caveat is that I can't add more than ONE of such to any upp TopWindow.

As I've seen, UPP is implemented using JUST one GTK top control (which is windowed) and all the
rest is drawn inside it.
The problem is that if we want to implement a windowed GTK control it should be added to the main
GTK one, and the Window type just accepts ONE widget inside it.
So, for example, having a TabBar with many pages and a DHCtrl in each page can't work.
Even using the more modern GtkArea will not work, because of this problem. We can add ONE of it to the application, but it will crash when trying to add a second one.

I think that this problem can't be solved in GTK without some big changes in GTK core in UPP.

Ciao

Massimo

EDIT : it could be (maybe) solved using plain X11 code to add a window to the main one, and handling repositioning from inside
the DHCtrl code.

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mdelfede on Tue, 28 Aug 2018 09:45:25 GMT
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I'm almost done with this one.
I did it using pure X11, and I've got a control with an X11 window which can be used, for example, to build an OpenGL control for GTK too.
I'm testing the last few stuffs and then post here.

In the attached picture, the GtkDHCtrl embedded in my UppCad application, running in GTK mode.

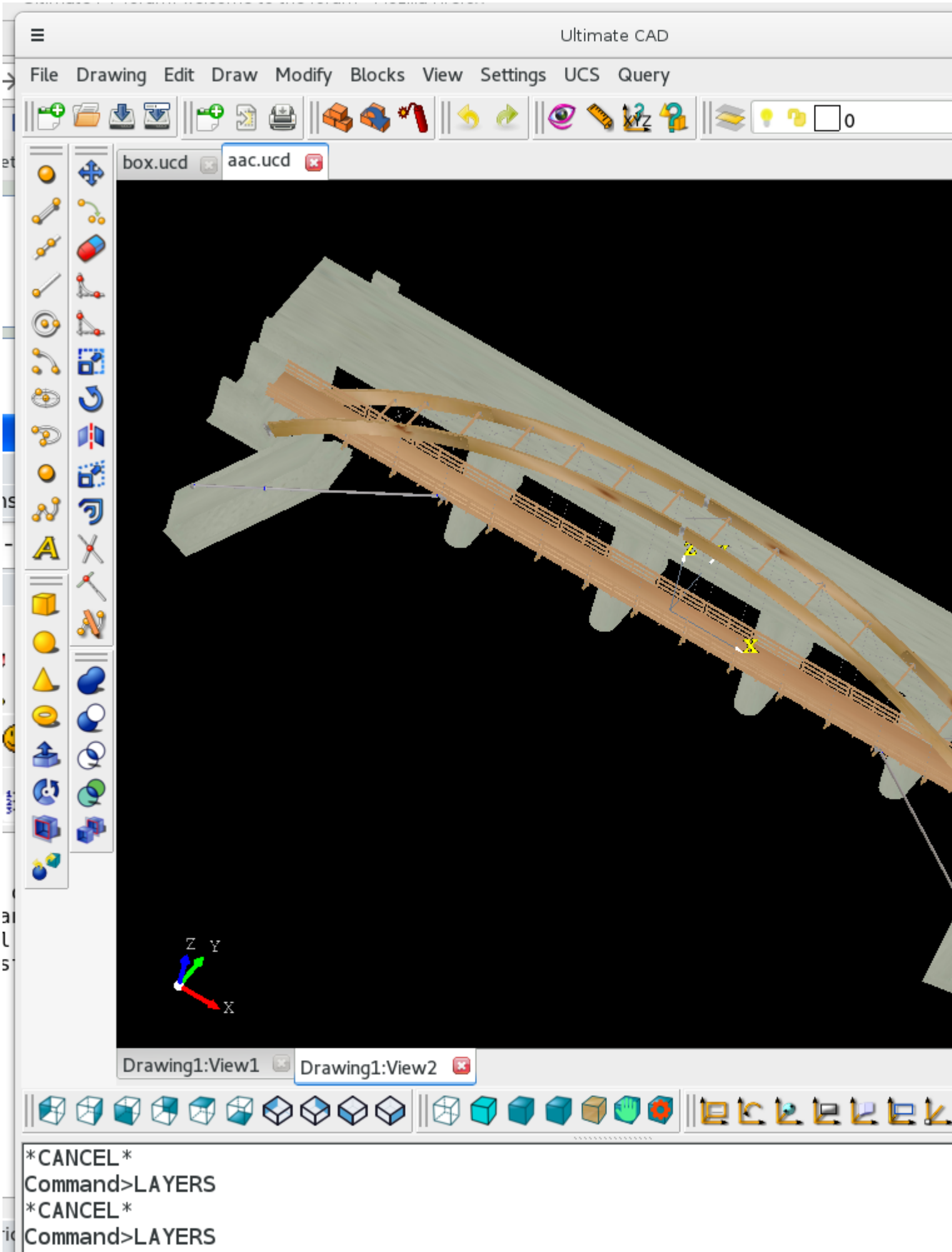
Ciao

Massimo

Hi,

File Attachments

1) gtkdhctrl.png, downloaded 1125 times


Ultimate CAD
File
Drawing
Edit
Draw
Modify
Blocks
View
Settings
UCS
Query
box.ucd
aac.ucd
Z Y
X
Drawing1:View1
Drawing1:View2
CANCEL
Command>LAYERS
CANCEL
Command>LAYERS

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mdelfede on Tue, 28 Aug 2018 10:23:12 GMT
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Here my GtkDHCtrl code.
It can be used standalone or it could be embedded in UPP CtrlCore.
In latter case it could also be simplified using protected/private members of Ctrl.

Ciao

Massimo

File Attachments
1) GtkDHCtrl.zip, downloaded 424 times

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mirek on Fri, 07 Sep 2018 13:31:47 GMT
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mdelfede wrote on Tue, 28 August 2018 12:23Here my GtkDHCtrl code.
It can be used standalone or it could be embedded in UPP CtrlCore.
In latter case it could also be simplified using protected/private members of Ctrl.

Ciao

Massimo

There is sort of interesting issue here: AFAIK this DHCtrl flavor creates XWindow handle. But if we are GTK, should not we rather represnt GTK widget here?

Mirek

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mdelfede on Tue, 11 Sep 2018 05:38:58 GMT
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Quote:
There is sort of interesting issue here: AFAIK this DHCtrl flavor creates XWindow handle. But if we are GTK, should not we rather represnt GTK widget here?

Yep... I stopped at XWindow handle because that's what I need for my control, but I see no big problem to add a GTK container there.
We shall add 2 containers, a GtkWindow (attached to the XWindow handle), which can contain just ONE gtk widget (so pretty useless) and another one inside it which can then contain multiple GTK widgets.

Ciao

Massimo

p.s. : I NEVER get emails from forum... I tried to unsuscribe/resuscribe, but nothing. Even for private messages, I don't get any mail. Could you solve it ? I must scan the whole forum to know if there are replies...

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mirek on Wed, 12 Sep 2018 06:34:35 GMT
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I have got your reply to gmail... Have you checked spam?

Subject: Re: DHCtrl for GTK backend - help needed
Posted by mdelfede on Wed, 12 Sep 2018 07:11:24 GMT
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Yep... at least, on my computer. I don't know if my mail server is throwing away UPP emails, but it's quite unlikely.
I've got this problem since first day in forum. Never got an e-mail from forum...
