Subject: *Hold() mouse events only work for widgets at top-left corner
Posted by Tom1 on Thu, 08 Apr 2021 08:53:49 GMT

Hi,

E.g. LeftHold() mouse event only works for widgets at top-left corner of the window. (The same issue can be seen in both Windows and GTK/Linux.) I tracked down the code and found that sDistMax() comparison of leftmousepos and mousepos are incompatible in a way that leftmousepos is window client area related and mousepos is widget related. Therefore, comparison fails and not LeftHold() is never called:

```
void    Ctrl::LHold() {
 GuiLock __;
 if(sDistMax(leftmousepos, mousepos) < GUI_DragDistance() && repeatTopCtrl &&
GetMouseLeft())
  repeatTopCtrl->DispatchMouseEvent(LEFTHOLD, repeatMousePos, 0);
}
```

EDIT: Would this be a correct fix?
```
void    Ctrl::LHold() {
 GuiLock __;
 if(sDistMax(leftmousepos, mousepos + mouseCtrl->GetRect().TopLeft()) < GUI_DragDistance()
&& repeatTopCtrl && GetMouseLeft())
  repeatTopCtrl->DispatchMouseEvent(LEFTHOLD, repeatMousePos, 0);
}
```

The same issue applies to RightHold() and MiddleHold().

Best regards,

Tom