



Smoother scrolling of the pages

One of the differences between most of the Clarion report previewers and, for example, a word processor is that there is no smooth scrolling from one page to the other in the report previewers. Usually the previewer just jumps to the next page and loads it wherever the last page happened to be positioned on the screen. For example, if you have scrolled down to the bottom of the page and you hit the PageDown key, it will jump to the bottom of the next page, and so on.

We have designed two routines that you can now add to the **Icetips Previewer** procedure that enable much more smoother scrolling through the pages. If the top of the page is displayed and you hit the PageDown key, it will first scroll to the bottom of the page, next time to the top of the next page, then bottom and so on.

Add the Scroll Routines

First you need to add two routines to the Routines embed:

```
ScrollUpPage          ROUTINE
If ITP:CurrentPage > 1
  If ITP:ClientAreaWidth < (ITP:ImageHeight * (ITP:ZoomValue/100))
    If ITPPreviewWindow{Prop:VScrollPos} > 0
      ITPPreviewWindow{Prop:VScrollPos} = 0
    Else
      ITP:CurrentPage -= 1
      Do DrawPage
      ITPPreviewWindow{Prop:VScrollPos} = 255
    End
  Else
    ITP:CurrentPage -= 1
    Do DrawPage
  End
Else
  ITPPreviewWindow{Prop:VScrollPos} = 0
End
```

```
ScrollDownPage       ROUTINE
If ITP:CurrentPage < ITP:TotalPages
  If ITP:ClientAreaWidth < (ITP:ImageHeight * (ITP:ZoomValue/100))
    If ITPPreviewWindow{Prop:VScrollPos} < 255
      ITPPreviewWindow{Prop:VScrollPos} = 255
    Else
      ITP:CurrentPage += 1
      Do DrawPage
      ITPPreviewWindow{Prop:VScrollPos} = 0
    End
  Else
    ITP:CurrentPage += 1
    Do DrawPage
  End
Else
  ITPPreviewWindow{Prop:VScrollPos} = 255
End
```

Alert Keys on the Pagelist Listbox

Next, alert the CtrlHome and CtrlEnd keys on the PageList.

1. Right click on the Pagelist listbox
2. Select "Alert..." from the popup menu
3. Click on the "Add" button
4. Hit the Ctrl-Home key combination on the keyboard, you should see the text CtrlHome appear in the Key field
5. Click on the Ok button.
6. Repeat steps 3-5 for the Ctrl-End key

Add embed code to the Pagelist Listbox

Double click on the listbox to bring up the embed tree. You should see an embed entry in the AlertKey Event handling, that starts with:

```
If KeyCode() = MouseLeft2
```

Click on this embed entry and click on the Insert button to insert a new embed, select "Source" from the "Select Embed Type" window and then add the following code:

```
If KeyCode() = CtrlHome
  Post(Event:Accepted,?JumpFirstButton)
End
If KeyCode() = CtrlEnd
  Post(Event:Accepted,?JumpLastButton)
End
```

Call the new routines

The final thing that needs to be done is to change the routines that are called by the PageUp and PageDown keys. These two keys are handled on the Window. Locate the Window Event Handling - AlertKey embed, it should have code in it that looks like this:

```
Case KeyCode()
Of PgUpKey
  Do JumpPreviousPage
Of PgDnKey
  Do JumpNextPage
End
```

Change the above code to:

```
Case KeyCode()
Of PgUpKey
  Do ScrollUpPage
Of PgDnKey
  Do ScrollDownPage
End
```

Now you will have much smoother control over how the pages will scroll in the **Icetips Previewer**.