Synopsis
disable()

Description
Not yet implemented, although sending an invalid histogram array will disable the window.

---

histogramgui.enable - Function

Package	**display**
Module	**widgets**
Tool	**histogramgui**

Not yet implemented.

Synopsis
enable()

Description
Not yet implemented, although if the window has been disabled by an invalid array, sending a new, valid array will enable it again.

1.4.19 listboxcontainer - Tool

Package	**display**
Module	**widgets**

A scrolllistbox with an underlying itemcontainer.
include "listboxcontainer.g"

Constructors

listboxcontainer	*Construct a listboxcontainer*

Functions

clear	*(EVENT) clear selections*
delete	*(EVENT) delete a name-value pair*
done	*Destroy ourselves*

fromforeign	*insert items from container or record*
get	*(EVENT) return the value of the item specified*
hasitem	*check if item is present in listboxcontainer*
hscrollbar	*(EVENT) Turn on or off the horizontal scrollbar*
insert	*(EVENT) Insert a name-value pair or record elements, or overwrite values of existing pairs*
itemnames	*Get the names of all items.*
see	*(EVENT) scroll to the specified item*
seeoninsert	*(EVENT) See the end after each insert?*
select	*(EVENT) make selection*
selection	*(EVENT) return a record of items selected*
vscrollbar	*(EVENT) Turn on or off the vertical scrollbar*

Description

The listboxcontainer widget is a `scrolllistbox` *widget. It has some similarity to the interface of the* `scrolllistbox` *widget. The difference to the original listbox and scrolllistbox is, that this widgets is a wrapper for an itemcontainer. Everything inserted into the widget is stored in an itemcontainer as a name-value pair (an item). The name is displayed in the widget. Items can be accessed by name or by index. One has to be careful if using indices, because the listboxcontainer is adjusting itself (eg. deleting an item pushes all other items up by 1). Another difference to the standard* `listbox` *and* `scrolllistbox` *is the indexing. Indices are integers not strings! Indexing starts at "0" as opposed to the* `itemcontainer`*, where indexing starts the "Glish" way at "1".*
The listboxcontainer widget supports all scrolllistbox widget events. For the events "background bind borderwidth exportselection font height hscrollbar mode relief seeoninsert view vscrollbar vscrollview width" see the documentation on `scrolllistbox` *and* `listbox`.
All events which are emitted by the underlying `listbox` *are forwarded and will be seen to be emitted by the listboxcontainer.*
Note that most of the functions listed here are actually events.

Example

```
include 'listboxcontainer.g'
f := frame()
lbc := listboxcontainer(f)
lbc->insert('x',1)
lbc->insert('y',2)
# you want to add a record
r := [a=111,b=222,c=333]
lbc->insert(r)
# you want to get the current selection(s), if any
```

```
s := lbc->selection();
#you want to delete 'x' and 'y' by name
lbc->delete('x','y')
#or by index
lbc->delete(0:1)
# to retrieve the value bound to name 'a'
a := l->get('a')
```

listboxcontainer - Constructor

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

Construct a listboxcontainer

Synopsis

listboxcontainer(parent, container, hscrollbar, vscrollbar, vscrollbarright, seeoninsert, width, height, mode, font, relief, borderwidth, foreground, background, exportselection, fill, widgetset)

Arguments

parent	*Parent of the listboxcontainer* *Allowed: Tk frame*
container	*Create from an itemcontainer* *Allowed: itemcontainer* *Default: unset*
hscrollbar	*Show a horizontal scrollbar?* *Allowed: Boolean* *Default: T*
vscrollbar	*Show a vertical scrollbar?* *Allowed: Boolean* *Default: T*
vscrollbarright	*Show vertical scrollbar on right? (F=left)* *Allowed: Boolean* *Default: T*
seeoninsert	*See the end after each insert?* *Allowed: Boolean* *Default: T*
width	*Width in characters units* *Allowed: Integer* *Default: 20*
height	*Height in characters units* *Allowed: Integer* *Default: 6*
mode	*Listbox mode* *Allowed: String from 'browse', 'single', 'extended', 'multiple'* *Default: 'browse'*
font	*Font of text* *Allowed: X font* *Default: ''*
relief	*Edge relief* *Allowed: String from 'flat', 'ridge', 'raised', 'sunken', 'groove'* *Default: 'sunken'*
borderwidth	*Border width* *Allowed: Integer* *Default: 2*
foreground	*Color of text* *Allowed: X color* *Default: 'black'*
background	*Background color* *Allowed: X color* *Default: 'lightgrey'*
exportselection	*export to X clipboard?* *Allowed: Boolean* *Default: F*
fill	*how to expand when resized* *Allowed: String from 'x', 'y', 'both', 'none'* *Default: 'both'*
widgetset	*Widget set to use* *Allowed: A widgetserver closure tool* *Default: dws*

Returns
listboxcontainer widget

Description
Constructs a listboxcontainer according to the specified construction arguments, and returns a ref to the widget.

---

listboxcontainer.done - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

Destroy ourselves

Synopsis
done()

Returns
Bool

Description

This function destroys the widget.

---

listboxcontainer.hscrollbar - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) Turn on or off the horizontal scrollbar

Synopsis
hscrollbar(torf)

Arguments

torf	*Show a horizontal scrollbar?* *Allowed: Boolean*

Description
This is an event which turns on or off the horizontal scrollbar.

Example

```
# lbc is a previously created listboxcontainer
# turn off the horizontal scrollbar
lbc->hscrollbar(F);
# turn it back on
lbc->hscrollbar(T);
```

---

listboxcontainer.vscrollbar - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) Turn on or off the vertical scrollbar

Synopsis
vscrollbar(torf)

Arguments

torf	*Show a vertical scrollbar?* *Allowed: Boolean*

Description
This is an event which turns on or off the vertical scrollbar. If turned on, the constructor argument 'vscrollbarright' determines if the scrollbar is placed on the left or right side of the listbox.

---

listboxcontainer.seeoninsert - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) See the end after each insert?

Synopsis

seeoninsert(torf)

Arguments

torf	*See the end after each insert?* *Allowed: Boolean*

Description

This event turns on or off the action which this widget does after each insert event. When on (T) a "see" event is sent to the listbox to show the end of the listbox after each inset event. When off (T) no such "see" event is sent.

Example

```
# slb is a previously created listboxcontainer
# don't see the end after each insert event
lbc->seeoninsert(F);
# see the after each insert event
lbc->seeoninsertT);
```

---

listboxcontainer.fromforeign - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

insert items from container or record

Synopsis
fromforeign(container)

Arguments

container	*Itemcontainer or record to put into listboxcontainer* *Allowed: itemcontainer or record*

Description
Insert an itemcontainer or record into an (empty) listboxcontainer. This function overwrites existing contents.

---

listboxcontainer.hasitem - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

check if item is present in listboxcontainer

Synopsis
hasitem(item)

Arguments

item	*Item to be checked if present* *Allowed: string*

Returns
A Boolean

Description
Equivalent to has_item in `itemcontainer`.

---

listboxcontainer.itemnames - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

Get the names of all items.

Synopsis
itemnames()

Returns
A vector of strings

Description
Equivalent to item_names in `itemcontainer`.

---

listboxcontainer.clear - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) clear selections

Synopsis
clear(namesorindices)

Arguments

namesorindices	*names or indices or "all"* *Allowed: vector of strings or integers*

Description
This **event** *clears the given selections. This can be done by name or index. Vectors are accepted. "all" deselects all selections.*

---

listboxcontainer.delete - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) delete a name-value pair

Synopsis
delete(namesorindices)

Arguments

namesorindices	*names or indices* *Allowed: vector of strings or integers*

Description
This **event** *deletes the given items from the listbox. This can be done by name or index. Vectors are accepted.* **Note:** *The functionality varies from* `listbox`*!*

Example

```
# by name
lbc->delete('test');
# or by index if test is the first(=0) item in the listboxcontainer.
lbc->delete(0)
```

---

listboxcontainer.get - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) return the value of the item specified

Synopsis
get(nameorindex)

Arguments

nameorindex	*name or index* *Allowed: string or integer*

Returns
any

Description
The items selected in the `listbox` *are returned as a record.*

---

listboxcontainer.insert - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) Insert a name-value pair or record elements, or overwrite values of existing pairs

Synopsis
insert(stringorrecord,)

Arguments

stringorrecord	*Allowed: string or record*
	only if first argument is string *Allowed: any*

Description
This **event** *inserts a new item into the listboxcontainer or replaces the value of an existing one.* **Note:** *The functionality varies from* `listbox`*!*

Example

```
# insert
- lbc->insert('test',55)
- lbc->insert('dummy',[xyz='hello'])
- print l->get('dummy');
[xyz=hello]
# overwrite
- lbc->insert('dummy',1000);
- print l->get('dummy');
1000
```

listboxcontainer.see - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) scroll to the specified item

Synopsis
see(nameorindex)

Arguments

nameorindex	*name or index* *Allowed: string or integer*

Description
See see *in scrolllistbox.*

listboxcontainer.select - Function

Package	**display**
Module	**widgets**
Tool	**listboxcontainer**

(EVENT) make selection

Synopsis
select(namesorindices)

Arguments

namesorindices	*names or indices* *Allowed: vector of strings or integers*

Description