

GLUONIX DESIGNER

CONTENTS

Root/Popup	8
Nothing.....	8
Maximize.....	8
Restore.....	8
Minimize	8
Restart.....	8
Close.....	8
Hide	8
Show.....	9
Grab.....	9
After	9
Screen	9
Bind	9
Config.....	9
Config_Get.....	9
Add_Manu.....	9
Add_Sub_Menu.....	10
Add_Separator.....	10
Folder	10
File.....	10
Position.....	10
Size	10
Ratio	10
Locate.....	11
Locate_Reverse	11
Light_Mode.....	11
Dark_Mode.....	11
Update_Colors.....	11
Update_Color	11
Common	12
Copy.....	12
Delete.....	12
Hide	12

Show.....	12
Focus	12
Grab.....	12
Bind	12
Config.....	13
Config_Get	13
Position.....	13
Size	13
Locate	13
Locate_Reverse	13
Update_Color	13
Canvas/Scroll.....	14
Clear.....	14
Refresh.....	14
Bind_Item.....	14
Hide_Item.....	14
Show_Item.....	14
Delete_Item	14
Delete_All	15
Find_Near.....	15
Find_Overlap.....	15
Line.....	15
Polyline.....	15
Add.....	15
Remove	16
Pie.....	16
Arc.....	16
Circle	16
Rectangle	16
Rectangle2	16
Oval	17
Polygon.....	17
Add.....	17
Remove	17
Text.....	17
Set	17
Image.....	18
Set	18

Initial	18
Top	18
Reset	18
Update	18
Update_All	18
Frame	19
Clear	19
Bar	19
Set	19
Get	19
Button	20
Set	20
Check	20
Set	20
Get	20
Compound	21
Set	21
Entry	21
Set	21
Get	21
Image	22
Set	22
Initial	22
Rotate	22
Label	22
Set	22
Roubel	23
Set	23
Line	23
List	24
Add	24
Remove	24
Set	24
Reset	24
Get	24
Clear	24
Top	25
Variable	25

Create	25
Get	25
Radio	25
Set	25
Reset	25
Scale	26
Set	26
Get	26
Spinner	26
Set	26
Get	26
Select	27
Add	27
Remove	27
Set	27
Get	27
Clear	27
Sort	27
Separator	28
Add	28
Switch	28
Set	28
Get	28
Text	29
Tag	29
Add	29
Set	29
Get	29
Tree	30
Add	30
Edit	30
Get	30
Get_All	30
Remove	30
Remove_All	30
Remove_Selected	31
Current	31
Selected	31

Child.....	31
Parent.....	31
Index.....	31
Expand.....	31
Select.....	32
Export.....	32
Bind / Bind_Item	33
Bind Specific	33
For All	33
Config	38
Auto_Dark	38
Background	38
Light_Background.....	38
Dark_Background.....	38
Foreground	38
Light_Foreground.....	39
Dark_Foreground	39
Border_Color.....	39
Light_Border_Color	39
Dark_Border_Color.....	39
Border_Size	40
Resize	40
Resize_Width	40
Resize_Height	40
Move.....	40
Move_Top	40
Move_Left.....	40
Top	40
Left	41
Width.....	41
Height.....	41
Font_Size.....	41
Font_Weight.....	41
Font_Family	41
Scrollbar	42
Vertical	42
Horizontal.....	42
Last	42

Value	42
Ridge	42
Disable.....	43
Path.....	43
URL	43
Array.....	43
Pil	43
Photo.....	43
Rotate	44
Transparent.....	44
Aspect_Ratio	44
Compound	44
Align.....	44
Secure	44
Variable	45
Minimum.....	45
Maximum	45
Increment.....	45
Orient.....	45
Height_List.....	46
Progress	46
Zero	46
Radius.....	46
Shadow_Size	46
Shadow_Color	46
Light_Shadow_Color	47
Dark_Shadow_Color	47
Background_Selected.....	47
Foreground_Selected.....	47
Translucent	47
Multiple	48
Select_Background.....	48
Select_Foreground.....	48
Disable_Background	48
Disable_Foreground	48
Hover_Background.....	48
Hover_Foreground	49
Hover_Border_Color.....	49

Hover_Shadow_Color	49
Light_Hover_Background.....	49
Light_Hover_Foreground.....	49
Light_Hover_Border_Color	49
Light_Hover_Shadow_Color.....	50
Dark_Hover_Background.....	50
Dark_Hover_Foreground.....	50
Dark_Hover_Border_Color	50
Dark_Hover_Shadow_Color	50

ROOT/POPUP

NOTHING

Root.Nothing()

Return → False

MAXIMIZE

Root.Maximize()

Return → Maximized Window

RESTORE

Root.Restore()

Return → Restore Window Size

MINIMIZE

Root.Minimize()

Return → Minimize Window To Taskbar

RESTART

Root.Restart()

Return → Restart Application

CLOSE

Root.Close()

Return → Close Application

HIDE

Root.Hide()

Return → Hide Application

SHOW

`Root.Show()`

Return → Show Application

GRAB

`Root.Grab(Path=False)`

Return → Returns and Saves screenshot of Application

AFTER

`Root.After(Delay=1000, Function=lambda : Root.Nothing())`

Return → Runs the provided function after milliseconds of delay

SCREEN

`Root.Screen()`

Return → Returns screen size: {'Width':1920, 'Height': 1080}

BIND

`Root.Bind(On_Click=lambda E: Root.Nothing())`

Return → Runs on click function and list of other binds

CONFIG

`Root.Config(Background='#F5F5F5')`

Return → Sets background color and list of configs

CONFIG_GET

`Root.Config_Get('Background')`

Return → Background color and list of configs

ADD_MANU

`Root.Add_Manu(Main=False, Name, Command=False)`

Return → Adds Menu Item. If Main is False, will Add to Top Bar, if command is given, No submenu can be added

ADD_SUB_MENU

Root.Add_Sub_Manu(Main, Name, Command=False)

Return → Adds Sub Menu Item. If command is given, No submenu can be added

ADD_SEPARATOR

Root.Add_Separator(Main)

Return → Adds horizontal separator in given step of menu

FOLDER

Root.Folder(Initial="", Title="", Persistent=True)

Return → Request folder input from user.

FILE

Root.File(Initial="", Title="", Multiple=False, Default='.txt', Type=[["Text files", "*.txt"], ["All files", "*.*"]])

Return → Request file input from user

POSITION

Root.Position()

Return → Current position of Application [Left, Top]

SIZE

Root.Size()

Return → Current size of Application [Width, Height]

RATIO

Root.Ratio()

Return → Current size ratio of Application [Width_Ratio, Height_Ratio]

LOCATE

Root.Locate(Width, Height, Left, Top)

Return → Converts the values from percentage to pixels

LOCATE_REVERSE

Root.Locate_Reverse(Width, Height, Left, Top)

Return → Converts the values from pixels to percentage

LIGHT_MODE

Root.Light_Mode()

Return → Changes full application to Light colors

DARK_MODE

Root.Dark_Mode()

Return → Changes full application to Dark colors

UPDATE_COLORS

Root.Update_Colors()

Return → Updates all widgets for automatic light and dark mode colors

UPDATE_COLOR

Root.Update_Color()

Return → Updates automatic light and dark mode colors for current widget

COMMON

COPY

`Widget.Copy(Name=False, Main=False)`

Return → Creates a copy of widget and inside widgets with a new name, For Canvas items, no arg Name, only Main

DELETE

`Widget.Delete()`

Return → Delete widget and all inside widgets

HIDE

`Widget.Hide()`

Return → Hide Widget

SHOW

`Widget.Show()`

Return → Show Widget

FOCUS

`Widget.Focus()`

Return → Bring Widget To Focus {Works on Entry, Button, List & Select}

GRAB

`Widget.Grab(Path=False)`

Return → Returns and Saves screenshot of Widget

BIND

`Widget.Bind(On_Click=lambda E: Root.Nothing())`

Return → Runs on click function and list of other binds

CONFIG

Widget.Config(Background='#F5F5F5')

Return → Sets background color and list of configs

CONFIG_GET

Widget.Config_Get('Background')

Return → Background color and list of configs

POSITION

Widget.Position(Left=False, Top=False)

Return → Current position of Application [Left, Top]

SIZE

Widget.Size(Width=False, Height=False)

Return → Current size of Application [Width, Height]

LOCATE

Widget.Locate(Width, Height, Left, Top)

Return → Converts the values from percentage to pixels

LOCATE_REVERSE

Widget.Locate_Reverse(Width, Height, Left, Top)

Return → Converts the values from pixels to percentage

UPDATE_COLOR

Root.Update_Color()

Return → Updates automatic light and dark mode colors for current widget

CANVAS/SCROLL

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Radius'

Canvas Config Addon: 'Shadow_Size', 'Shadow_Color'

Scroll Config Addon: 'Scrollbar', 'Vertical', 'Horizontal', 'Last'

CLEAR

Canvas.Clear()

Return → Clears all widgets inside canvas or scroll

REFRESH

Canvas.Refresh()

Return → Update all idle tasks

BIND_ITEM

Canvas.Bind_Item(Item, On_Click=lambda E: Root.Nothing())

Return → Runs on click function and list of other binds on an item in canvas

HIDE_ITEM

Canvas.Hide_Item(Item)

Return → Hides an Item

SHOW_ITEM

Canvas.Show_Item(Item)

Return → Show an Item

DELETE_ITEM

Canvas.Delete_Item(Item)

Return → Delete an Item

DELETE_ALL

Canvas.Delete_All()

Return → Delete all Items

FIND_NEAR

Canvas.Find_Near(X, Y)

Return → List of all items close to this pixel

FIND_OVERLAP

Canvas.Find_Overlap(X1, Y1, X2, Y2)

Return → List of all the items overlapping provided rectangle

LINE

Config List: 'Outline', 'Width', 'Height', 'Left', 'Top', 'Thickness', 'Resize'

Canvas.Line()

Return → Draw a line with provided parameters and return item

POLYLINE

Config List: 'Outline', 'Thickness', 'Resize'

Canvas.Polyline()

Return → Draw a line with provided parameters and return item

ADD

Widget.Add(X, Y)

Return → Adds a new point to polyline

REMOVE

Widget.Remove(Index)

Return → Removes a point from polyline

PIE

Config List: 'Outline', 'Fill', 'Left', 'Top', 'Radius', 'Thickness', 'Resize', 'Start', 'Extent', 'Translucent'

Canvas.Pie()

Return → Draw a pie chart with provided parameters and return item

ARC

Config List: 'Outline', 'Left', 'Top', 'Radius', 'Thickness', 'Resize', 'Start', 'Extent', 'Translucent'

Canvas.Arc()

Return → Draw an arc with provided parameters and return item

CIRCLE

Config List: 'Outline', 'Fill', 'Left', 'Top', 'Radius', 'Thickness', 'Resize', 'Translucent'

Canvas.Circle()

Return → Draw a circle with provided parameters and return item

RECTANGLE

Config List: 'Outline', 'Fill', 'Width', 'Height', 'Left', 'Top', 'Thickness', 'Resize', 'Translucent'

Canvas.Rectangle()

Return → Draw a rectangle with provided parameters and return item

RECTANGLE2

Config List: 'Outline', 'Fill', 'Width', 'Height', 'Left', 'Top', 'Angle', 'Thickness', 'Resize', 'Translucent'

Canvas.Rectangle2()

Return → Draw a rotated rectangle with provided parameters and return item

OVAL

Config List: 'Outline', 'Fill', 'Width', 'Height', 'Left', 'Top', 'Thickness', 'Resize', 'Translucent'

Canvas.Oval()

Return → Draw an oval with provided parameters and return item

POLYGON

Config List: 'Outline', 'Fill', 'Thickness', 'Resize', 'Translucent'

Canvas.Polygon()

Return → List of points to create polygon, Draw a polygon with provided parameters and return item

ADD

Widget.Add(X, Y)

Return → Adds a new point to polygon

REMOVE

Widget.Remove(Index)

Return → Removes a point from polygon

TEXT

Config List: 'Width', 'Height', 'Left', 'Top', 'Color', 'Size', 'Value', 'Weight', 'Font', 'Anchor', 'Justify', 'Resize'

Canvas.Text()

Return → Draws a text and return the item

SET

Widget.Set(Vlaue)

Return → Sets a new text to item

IMAGE

Config List: 'Width', 'Height', 'Left', 'Top', 'Anchor', 'Url', 'Array', 'Pil', 'Photo', 'Resize'

Canvas.Image()

Return → Draws an image and return item

SET

Widget.Set(Path)

Return → Sets a new image to item

INITIAL

Widget.Initial()

Return → Reset image to initial image loaded at design time

TOP

Scroll.Top()

Return → Moves scrollbar to top

RESET

Scroll.Reset()

Return → Resets the size of scroll frame and moves or hides scrollbars

UPDATE

Scroll.Update(Widget)

Return → Updates the size of Scroll region based on provided widget. It is recommended to provide the widget that id most to right and bottom of scroll. You can add an hidden widget so the size given properly to scroll the frame

UPDATE_ALL

Scroll.Update_All()

Return → Will update the size of scroll frame based on all the widgets in scroll.

FRAME

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height'

CLEAR

`Frame.Clear()`

Return → Clears all widgets inside frame

BAR

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Progress', 'Zero'

SET

`Bar.Set(Value=10)`

Return → Sets the bar to specific position

GET

`Bar.Set()`

Return → The current position of bar

BUTTON

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Value', 'Ridge', 'Disable', 'Disable_Foreground', 'Active_Background', 'Active_Foreground'

SET

`Button.Set(Value='Click Me')`

Return → Sets the name of the button

CHECK

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height'

SET

`Check.Set(Check=True)`

Return → Sets the current state of check box

GET

`Check.Set()`

Return → The current state of check button

COMPOUND

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Value', 'Path', 'Url', 'Array', 'Pil', 'Rotate', 'Transparent', 'Compound', 'Aspect_Ratio'

SET

`Compound.Set(Path, Value)`

Return → Sets the image path or name of compound button

ENTRY

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Align', 'Disable', 'Secure', 'Disable_Background', 'Disable_Foreground', 'Select_Background', 'Select_Foreground'

SET

`Entry.Set(Value)`

Return → Sets the value to entry

GET

`Entry.Get()`

Return → The value to entry

IMAGE

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Path', 'Url', 'Array', 'Pil', 'Rotate', 'Transparent', 'Aspect_Ratio'

SET

Image.Set(Path)

Return → Sets the image path and reloads image. If Url is True, Path is Url & if Array is True, Path is cv2 Frame Array (RGB)

INITIAL

Image.Initial()

Return → Reset image to initial image loaded at design time

ROTATE

Image.Rotate(Value=10)

Return → Rotates image in given angle degree values

LABEL

Config List: 'Background', 'Foreground', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Align', 'Value'

SET

Label.Set(Value)

Return → Sets text value of label

ROUBEL

Config List: 'Background', 'Foreground', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Value', 'Radius', 'Shadow_Size', 'Shadow_Color'

SET

Label.Set(Value)

Return → Sets text value of label

LINE

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height'

LIST

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Disable', 'Scrollbar', 'Vertical', 'Select_Foreground', 'Select_Background', 'Multiple'

ADD

List.Add(Value)

Return → Adds the value to list

REMOVE

List.Remove(Value)

Return → Removes the value from list

SET

List.Set(Value)

Return → Sets the value to list

RESET

List.Reset()

Return → Resets List Selection

GET

List.Get()

Return → The current value to list

CLEAR

List.Clear()

Return → Delete all the values in list

TOP

List.Top()

Return → Scroll list to top

VARIABLE

CREATE

Variable = Gluonix.Variable()

Return → Creates a variable object for Radio Button

GET

Variable.Get()

Return → Returns current values of variable set by radio buttons

RADIO

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Value', 'Variable'

SET

Radio.Set()

Return → Activates current radio and unset all the other radios for same variable

RESET

Radio.Reset()

Return → Unset radio

SCALE

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Increment', 'Minimum', 'Maximum', 'Orient', 'Disable'

SET

Scale.Set(Value)

Return → Set scale to given value

GET

Scale.Get()

Return → Current values of scale

SPINNER

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Align', 'Increment', 'Minimum', 'Maximum', 'Disable'

SET

Spinner.Set(Value)

Return → Set spinner to given value

GET

Spinner.Get()

Return → Current values of spinner

SELECT

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize_Font', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Font_Family', 'Disable'

ADD

Select.Add(Value)

Return → Adds the value to select

REMOVE

Select.Remove(Value)

Return → Removes the value from select

SET

Select.Set(Value)

Return → Sets the value to select

GET

Select.Get()

Return → The current value to select

CLEAR

Select.Clear()

Return → Delete all the values in select

SORT

Select.Sort()

Return → Sorts list values A - Z

SEPARATOR

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height'

ADD

`Separator.Add(Frame)`

Return → Adds frame to control the movement and size, Need two frames and open provided, frames can't be changed.

SWITCH

Config List: 'Background', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height'

SET

`Check.Set(Check=True)`

Return → Sets the current state of check box

GET

`Check.Get()`

Return → The current state of check button

TEXT

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Disable'

TAG

```
Text.Tag(Name, Font_Size=12, Font_Weight='normal', Font='Times New Roman',  
Foreground="#000000", Background="#FFFFFF")
```

Return → Creates a custom tag to use in text

ADD

```
Text.Add(Value, Tag='Default')
```

Return → Sets the current state of check box

SET

```
Text.Set(Value)
```

Return → Sets values to text area

GET

```
Text.Get()
```

Return → The values of text area

TREE

Config List: 'Background', 'Foreground', 'Border_Color', 'Border_Size', 'Resize', 'Resize_Width', 'Resize_Height', 'Move', 'Move_Left', 'Move_Top', 'Left', 'Top', 'Width', 'Height', 'Font_Size', 'Font_Weight', 'Background_Selected', 'Foreground_Selected '

ADD

`Tree.Add(Name, Parent='', Index='end', Value=[], ID=None, Path=None)`

Return → Create a tree item with specific value. Path for Image file.

EDIT

`Tree.Edit(Name=False, Value=False, Tag=False, ID=False)`

Return → Edits parameters of on focus tree item or by providing the id of item

GET

`Tree.Get(ID=False)`

Return → The values of on focus tree item or by providing the id of item

GET_ALL

`Tree.Get_All(ID=False)`

Return → The everything of on focus tree item or by providing the id of item

REMOVE

`Tree.Remove(ID)`

Return → Deletes given item

REMOVE_ALL

`Tree.Remove_All()`

Return → Deletes all items in the tree

REMOVE_SELECTED

Tree.Remove_Selected()

Return → Deletes all selected items in the tree

CURRENT

Tree.Current()

Return → The item in focus

SELECTED

Tree.Selected()

Return → List of selected items

CHILD

Tree.Child(ID)

Return → List of all children of item

PARENT

Tree.Parent(ID)

Return → Parent of given item

INDEX

Tree.Index(ID)

Return → Index of an item

EXPAND

Tree.Expand(ID)

Return → Expand the current tree item

SELECT

`Tree.Select(ID)`

Return → Makes specific item in focus

EXPORT

`Tree.Export(Path)`

Return → Exports tree structure to text file '.txt'

BIND / BIND_ITEM

BIND SPECIFIC

Cursor_Hand

Cursor_Loading

Cursor_Resize_Vertical

Cursor_Resize_Horizontal

Cursor_Arrow

Cursor

On_Show (**No Event**)

On_Hide (**No Event**)

On_Close (Root & Popup) (**No Event**)

On_Resize (Root, Popup, Frame, Canvas & Scroll) (**No Event**)

On_Change (List, Select, Check, Switch & Radio) (**No Event**)

FOR ALL

On_Configure

On_Destroy

On_Expose

On_Visibility

On_Motion

On_Click

On_Release

On_Double_Click

On_Triple_Click

On_Middle_Click

On_Middle_Release

On_Middle_Double_Click

On_Middle_Triple_Click

On_Right_Click

On_Right_Release

On_Right_Double_Click

On_Right_Triple_Click

On_Drag

On_Middle_Drag

On_Right_Drag

On_Mouse_Wheel

On_Hover_In

On_Hover_Out

On_Key

On_Key_Release

On_Focus_Out

On_Map

On_Unmap

On_Copy

On_Cut

On_Paste

On_Undo

On_Redo

On_Control_Click

On_Control_Release
On_Control_Double_Click
On_Control_Triple_Click
On_Control_Middle_Click
On_Control_Middle_Release
On_Control_Middle_Double_Click
On_Control_Middle_Triple_Click
On_Control_Right_Click
On_Control_Right_Release
On_Control_Right_Double_Click
On_Control_Right_Triple_Click
On_Control_Drag
On_Control_Middle_Drag
On_Control_Right_Drag
On_Control_Mouse_Wheel
On_Control_Hover_In
On_Control_Hover_Out
On_Alt_Click
On_Alt_Release
On_Alt_Double_Click
On_Alt_Triple_Click
On_Alt_Middle_Click
On_Alt_Middle_Release
On_Alt_Middle_Double_Click
On_Alt_Middle_Triple_Click

On_Alt_Right_Click
On_Alt_Right_Release
On_Alt_Right_Double_Click
On_Alt_Right_Triple_Click
On_Alt_Drag
On_Alt_Middle_Drag
On_Alt_Right_Drag
On_Alt_Mouse_Wheel
On_Alt_Hover_In
On_Alt_Hover_Out
On_Shift_Click
On_Shift_Release
On_Shift_Double_Click
On_Shift_Triple_Click
On_Shift_Middle_Click
On_Shift_Middle_Release
On_Shift_Middle_Double_Click
On_Shift_Middle_Triple_Click
On_Shift_Right_Click
On_Shift_Right_Release
On_Shift_Right_Double_Click
On_Shift_Right_Triple_Click
On_Shift_Drag
On_Shift_Middle_Drag
On_Shift_Right_Drag

On_Shift_Mouse_Wheel

On_Shift_Hover_In

On_Shift_Hover_Out

CONFIG

Multiple values in config can be set and get at same time

```
Widget.Config(Background='#F5F5F5', Foreground='red', .....
```

```
Widget.Config_Get('Background', 'Foreground', .....
```

Will return a dictionary of requested configurations

AUTO_DARK

Sets the auto dark option of widget. With True, widget will automatically convert light colors to dark using inversion method.

```
Widget.Config(Auto_Dark=False)
```

BACKGROUND

Sets the background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Background='#F5F5F5')
```

LIGHT_BACKGROUND

Sets the light mode background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Background='#F5F5F5')
```

DARK_BACKGROUND

Sets the dark mode background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Background='#F5F5F5')
```

FOREGROUND

Sets the foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'

```
Widget.Config(Foreground='#F5F5F5')
```

LIGHT_FOREGROUND

Sets the light mode foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Foreground='#F5F5F5')
```

DARK_FOREGROUND

Sets the dark mode foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Foreground='#F5F5F5')
```

BORDER_COLOR

Sets the border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. This feature does not work on LITE objects.

```
Widget.Config(Border_Color='#000000')
```

LIGHT_BORDER_COLOR

Sets the light mode border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Border_Color='#F5F5F5')
```

DARK_BORDER_COLOR

Sets the dark mode border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Border_Color='#F5F5F5')
```

BORDER_SIZE

Sets the border size of widget. In pixel values. This feature does not work on LITE objects.

```
Widget.Config(Border_Size=2)
```

RESIZE

Defines if the widget can be resized when main root window resizes.

```
Widget.Config(Resize=True)
```

RESIZE_WIDTH

Defines if the widget can be resized only width wise main root window resizes.

```
Widget.Config(Resize_Width=True)
```

RESIZE_HEIGHT

Defines if the widget can be resized only height wise main root window resizes.

```
Widget.Config(Resize_Height=True)
```

MOVE

Defines if the widget can be moved when main root window resizes.

```
Widget.Config(Move=True)
```

MOVE_TOP

Defines if the widget can be moved only up and down main root window resizes.

```
Widget.Config(Move_Top=True)
```

MOVE_LEFT

Defines if the widget can be resized only left and right main root window resizes.

```
Widget.Config(Move_Left=True)
```

TOP

Changes the top position of widget. Only accepted in pixels.


```
Widget.Config(Top=100)
```

LEFT

Changes the left position of widget. Only accepted in pixels.

```
Widget.Config(Left=150)
```

WIDTH

Changes the width of widget. Only accepted in pixels.

```
Widget.Config(Width=100)
```

* If the inside widget is provided in percentage, changed the main widgets will affect the inside widget after the application restarts

HEIGHT

Changes the height of widget. Only accepted in pixels.

```
Widget.Config(Height=100)
```

* If the inside widget is provided in percentage, changed the main widgets will affect the inside widget after the application restarts

FONT_SIZE

Font size for the widgets which support text. Only accepted in pixels.

```
Widget.Config(Font_Size=20)
```

FONT_WEIGHT

Font weight for the widgets which support text. 'normal', 'bold'

```
Widget.Config(Font_Weight='normal')
```

FONT_FAMILY

Font family for the widgets which support text. Only tKinter specific.

'Times New Roman', 'Helvetica', etc.

`Widget.Config(Font_Family= 'Times New Roman')`

SCROLLBAR

Width of scrollbar. Only accepted in pixels.

`Widget.Config(Scrollbar=20)`

* Exclusive to scroll frame

VERTICAL

If vertical scroll bar should be displayed at initial state of frame.

`Widget.Config(Vertical=True)`

* Exclusive to scroll frame

HORIZONTAL

If horizontal scroll bar should be displayed at initial state of frame.

`Widget.Config(Horizontal=True)`

* Exclusive to scroll frame

LAST

Define the last widget of scrolls frame, the widget which is most right and bottom of frame.

`Widget.Config>Last=Widget)`

* Exclusive to scroll frame

VALUE

Sets text value for widgets that support text.

`Widget.Config(Value='Click Here')`

RIDGE

If the button should have ridged border

`Widget.Config(Ridge=True)`

* Exclusive to button

DISABLE

Disables the function of widget

```
Widget.Config(Disable=True)
```

* Exclusive to button, list, entry, select, spinner, scale, text

PATH

Gives the image path for widget

```
Widget.Config(Path='./Image.png')
```

* Exclusive to image, compound, canvas image

URL

Defines if image path given is a http url

```
Widget.Config(Url=True)
```

* Exclusive to image, compound, canvas image

ARRAY

Defines if image path is cv2 array

```
Widget.Config(Array=True)
```

* Exclusive to image, compound, canvas image

PIL

Defines if image path is pillow image

```
Widget.Config(Pil=True)
```

* Exclusive to image, compound, canvas image

PHOTO

Defines if image path is tk photo image

```
Widget.Config(Photo=True)
```

* Exclusive to canvas image

ROTATE

Rotates the image to specific degree of angle

```
Widget.Config(Rotate=90)
```

* Exclusive to image, compound, canvas image

TRANSPARENT

Defines if the provided image support to be transparent in nature.

```
Widget.Config(Transparent=True)
```

* Exclusive to image, compound, canvas image

ASPECT_RATIO

If the given image should keep aspect ration when fitting to current widget.

```
Widget.Config(Aspect_Ratio=True)
```

* Exclusive to image, compound, canvas image

COMPOUND

Location of text on the image. 'left', 'right', 'top', 'bottom', 'center'

```
Widget.Config(Compound='center')
```

* Exclusive to compound

ALIGN

Location of text in widget

```
Widget.Config(Align='center')
```

* Entry: 'left', 'right', 'center'

* Spinner: 'left', 'right', 'center'

* Label: 'n', 'e', 'w', 's', 'ne', 'nw', 'se', 'sw', 'center'

SECURE

Hides the entry text with *

```
Widget.Config(Secure=True)
```

* Exclusive to Entry

VARIABLE

Provides the variable to multiple radio buttons to store the radio value.

```
Widget.Config(Variable=Temp_Variable)
```

* Exclusive to Radio

MINIMUM

Minimum value for widget

```
Widget.Config(Minimum=0)
```

* Exclusive to Scale, Spinner

MAXIMUM

Maximum value for widget

```
Widget.Config(Maximum=100)
```

* Exclusive to Scale, Spinner

INCREMENT

Increment step for widget

```
Widget.Config(Increment=1)
```

* Exclusive to Scale, Spinner

ORIENT

Orientation of the widget

```
Widget.Config(Orient='Horizontal')
```

* Exclusive to Scale, Seperator

HEIGHT_LIST

Height of the list when on click widget

```
Widget.Config(Height_List=500)
```

* Exclusive to Select

PROGRESS

Initial value for the widget

```
Widget.Config(Progress=10)
```

* Exclusive to Bar

ZERO

Position of widget. 'Left', 'Right', 'Top', 'Bottom'

```
Widget.Config(Zero='Left')
```

* Exclusive to Bar

RADIUS

Radius for rounded corners.

```
Widget.Config(Radius=20)
```

* Exclusive to Canvas, Roubel

SHADOW_SIZE

Applies shadow size to all sides.

```
Widget.Config(Shadow_Size=10)
```

* Exclusive to Canvas, Roubel

SHADOW_COLOR

Sets the shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

`Widget.Config(Shadow_Color='#FF0000')`

* Exclusive to Canvas, Roubel

LIGHT_SHADOW_COLOR

Sets the light mode shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

`Widget.Config(Light_Shadow_Color='#F5F5F5')`

DARK_SHADOW_COLOR

Sets the dark mode shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

`Widget.Config(Dark_Shadow_Color='#F5F5F5')`

BACKGROUND_SELECTED

Background color of current selected item.

`Widget.Config(Background_Selected='#FFFFFF')`

* Exclusive to Tree

FOREGROUND_SELECTED

Foreground color of current selected item.

`Widget.Config(Foreground_Selected='#000000')`

* Exclusive to Tree

TRANSLUCENT

Makes Fill Color Translucent.

`Widget.Config(Translucent=True)`

* Exclusive to Canvas Item Rectangle, Rectangle2, Circle, Oval, Arc, Pie, & Polygon

MULTIPLE

Makes Multiple Selection.

```
Widget.Config(Multiple=True)
```

* Exclusive to List

SELECT_BACKGROUND

Sets the select text background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Select_Background='#F5F5F5')
```

SELECT_FOREGROUND

Sets the select text foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'

```
Widget.Config(Select_Foreground='#F5F5F5')
```

DISABLE_BACKGROUND

Sets the disabled background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Disable_Background='#F5F5F5')
```

DISABLE_FOREGROUND

Sets the disabled foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'

```
Widget.Config(Disable_Foreground='#F5F5F5')
```

HOVER_BACKGROUND

Sets the hover background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Hover_Background='#F5F5F5')
```


HOVER_FOREGROUND

Sets the hover foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Hover_Foreground='#F5F5F5')
```

HOVER_BORDER_COLOR

Sets the hover border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Hover_Border_Color='#F5F5F5')
```

HOVER_SHADOW_COLOR

Sets the hover shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Hover_Shadow_Color='#F5F5F5')
```

LIGHT_HOVER_BACKGROUND

Sets the light mode hover background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Hover_Background='#F5F5F5')
```

LIGHT_HOVER_FOREGROUND

Sets the light mode hover foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Hover_Foreground='#F5F5F5')
```

LIGHT_HOVER_BORDER_COLOR

Sets the light mode hover border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Hover_Border_Color='#F5F5F5')
```

LIGHT_HOVER_SHADOW_COLOR

Sets the light mode hover shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Light_Hover_Shadow_Color='#F5F5F5')
```

DARK_HOVER_BACKGROUND

Sets the dark mode hover background of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Hover_Background='#F5F5F5')
```

DARK_HOVER_FOREGROUND

Sets the dark mode hover foreground of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Hover_Foreground='#F5F5F5')
```

DARK_HOVER_BORDER_COLOR

Sets the dark mode hover border color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Hover_Border_Color='#F5F5F5')
```

DARK_HOVER_SHADOW_COLOR

Sets the dark mode hover shadow color of widget. Can be simple HTML values like 'red', 'green', etc. or any Hex color value '#F5F5F5'. False, it will take the background of the Main Frame of the Widget

```
Widget.Config(Dark_Hover_Shadow_Color='#F5F5F5')
```

