Text Box

Category	Requires	Version
User Interface	API 19, Android 4.4 - 4.4.4 KitKat	13

Overview

A box for the user to enter text. The initial or user-entered text value is in the `Text` property. If blank, the `Hint` property, which appears as faint text in the box, can provide the user with guidance as to what to type.

The `MultiLine` property determines if the text can havemore than one line. For a single line text box, the keyboard will closeautomatically when the user presses the Done key. To close the keyboard for multiline text boxes, the app should use the HideKeyboard method or rely on the user to press the Back key.

The `NumbersOnly` property restricts the keyboard to acceptnumeric input only.

Other properties affect the appearance of the text box (`TextAlignment` , `BackgroundColor` , etc.) and whether it can be used (`Enabled`).

Text boxes are usually used with the `Button` component, with the user clicking on the button when text entry is complete.

If the text entered by the user should not be displayed, use `PasswordTextBox` instead.

Events

Got Focus

Event raised when this component is selected for input, such as bythe user touching it.

Lost Focus

Event raised when this component is no longer selected for input, suchas if the user touches a different text box.

On Text Changed

Event to detect text changes.

Methods

Hide Keyboard

Hide the keyboard. Only multiline text boxes need this. Single line text boxes close the keyboard when the users presses the Done key.

Request Focus

Sets the textbox active.

Set Animation Style

Allows you to set animation style. Valid (case-insensitive) values are: ChasingDots, Circle, CubeGrid, DoubleBounce, FadingCircle, FoldingCube, Pulse, RotatingCircle, RotatingPlane, ThreeBounce, WanderingCubes, Wave. If invalid style is used, animation will be removed.Position can be: top, left, right, bottom. Size can be 100.

Params	
style	Text
position	Text
size	Number
color	Number

Set Cursor At

Set the cursor to the given position.

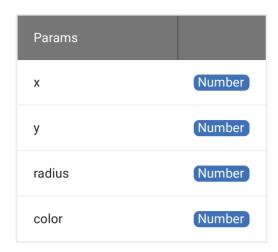| Params	
position	Number

Set Cursor At End

Set the cursor to the end of the text.

Set Shadow

Place a blurred shadow of text underneath the text, drawn with the specified x, y, radius, color (e.g. -11, 12, 13, black

Params	
x	Number
y	Number
radius	Number
color	Number

Show Error Message

Shows an error message next to the textbox.

Properties

Background Color

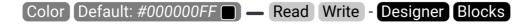Color Default: *#00000000* ■ — Read Write - Designer Blocks

The background color of the input box. You can choose a color by name in the Designer or in the Blocks Editor. The default background color is 'default' (shaded 3-D look).

Current Position

Number — Read - Blocks

Get the current cursor position.

Cursor Color

Available as Advanced Property

Color Default: *#000000FF* ■ — Read Write - Designer Blocks
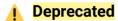
The color of the cursor.

Cursor Visible

Available as Advanced Property

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Makes the cursor visible (the default) or invisible.

Enable Copy & Paste

⚠️ **Deprecated**

`Boolean` — `Read` `Write` - `Blocks`

DEPRECATED since this feature is not working. Use 'Enabled' instead.

Enabled

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Whether the user can enter text into this input box. By default, this is true.

Error Text

`Text` — `Read` `Write` - `Designer` `Blocks`

Returns the error text.

Font Bold

`Boolean` `Default: False` — `Write` - `Designer`

Whether the font for the text should be bold. By default, it is not.

Font Italic

`Boolean` `Default: False` — `Write` - `Designer`

Whether the text should appear in italics. By default, it does not.

Font Size

`Number` `Default: 14.0` — `Read` `Write` - `Designer` `Blocks`

The font size for the text. By default, it is 14.0 points.

Font Typeface

`Number` `Default: 0` — `Write` - `Designer`

The font for the text. The value can be changed in the Designer.

Font Typeface Import

Available as Advanced Property

`Text` — `Write` - `Designer` `Blocks`

Set a custom font.

Height

`Number` — `Read` `Write` - `Blocks`

Specifies the component's vertical height, measured in pixels.

Height Percent

`Number` — `Write` - `Blocks`

Specifies the component's vertical height as a percentageof the height of its parent Component.

Highlight Color

Available as Advanced Property

`Color` `Default: #00000000` ■ — `Read` `Write` - `Designer` `Blocks`

Returns the color of the highlighted text.

Hint

`Text` — Read Write - Designer Blocks

Text that should appear faintly in the input box to provide a hint as to what the user should enter. This can only be seen if the `Text` property is empty.

Hint Color

Color Default: *#000000FF* ▣ — Read Write - Designer Blocks

Set a custom hint text color.

Input Type

Number Default: *1* — Read Write - Designer Blocks

The input type you want for this TextBox.

Line Color

⚠️ **Deprecated**

Number — Read Write - Blocks

Please delete this block from your project.This block is deprecated and not longer supported.

Multiline

Boolean Default: *False* — Read Write - Designer Blocks

If true, then this text box accepts multiple lines of input, which are entered using the return key. For single line text boxes there is a Done key instead of a return key, and pressing Done hides the keyboard. The app should call the HideKeyboard method to hide the keyboard for a mutiline text box.

Numbers Only (Not Working, Use Input Type)

⚠️ **Deprecated**

`Boolean` `Default: False` — `Read` `Write` - `Designer` `Blocks`

If true, then this text box accepts only numbers as keyboard input. Numbers can include a decimal point and an optional leading minus sign. This applies to keyboard input only. Even if NumbersOnly is true, you can use [set Text to] to enter any text at all.

Read Only

`Boolean` `Default: False` — `Read` `Write` - `Designer` `Blocks`

Whether the TextBox is read-only. By default, this is true.

Rotation Angle

Available as Advanced Property

`Number` `Default: 0.0` — `Read` `Write` - `Designer` `Blocks`

Sets the degrees that the textbox is rotated around the pivot point. Increasing values result in clockwise rotation.

Text

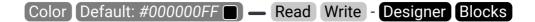`Text` — `Read` `Write` - `Designer` `Blocks`

Returns the textbox contents.

Text Alignment

`Number` `Default: 0` — `Write` - `Designer`

Whether the text should be left justified, centered, or right justified. By default, text is left justified.

Text Color

`Color` `Default: #000000FF ■` — `Read` `Write` - `Designer` `Blocks`

The color for the text. You can choose a color by name in the Designer or in the Blocks Editor. The default text color is black.

Text Length

`Number` — `Read` - `Blocks`

Returns the current text length as number.

Visible

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Returns true iff the component is visible.

Width

`Number` — `Read` `Write` - `Blocks`

Specifies the component's horizontal width, measured in pixels.

Width Percent

`Number` — `Write` - `Blocks`

Specifies the component's horizontal width as a percentageof the Width of its parent Component.

Last update: January 25, 2020