

# The Button control

(Information and examples taken from the DroidScript documentation)

## Description

Create buttons using the **CreateButton** method of the **app** object:

```
btn = app.CreateButton( text, width, height, options );
```

You can allow the button to auto-size by leaving out the dimensions or you can specify a **width** and **height** as decimal fractions. Setting the width and height to -1 whilst using the '**FillX**' option will allow it to fill the layout width.

Use the **SetOnTouch** method of your button object to set the name of a function you want to be called when the button is touched.

Various button **styles** can be set by including a style name in the options parameter

## Methods

Some controls use the same methods.  
For examples of the **same methods** look here.

Method	Description
Button.GetAbsHeight()	
Button.GetAbsWidth()	
Button.GetHeight()	
Button.GetPosition()	
Button.GetText()	Fetches the recent caption (text) of a button. Returns a string.
Button.GetTextSize( mode )	
Button.GetType()	
Button.GetVisibility()	
Button.GetWidth()	
Button.SetFontFile( file )	
Button.SetHtml( html )	
Button.SetMargins( left,top,right,bottom )	
Button.SetOnTouch( callback )	
Button.SetPadding( left,top,right,bottom )	
Button.SetPosition( left, top, width, height )	
Button.SetScale( x,y )	
Button.SetSize( width, height )	

Method	Description
Button.SetStyle(color1,color2,radius,strokeClr,strokeWidth,shadow)	Used with <b>Custom</b> option
Button.SetText( text )	Changes the caption (text) displayed in a button to the given string value. Example: Button.SetText("This is a string.");
Button.SetTextColor( colorcode )	Sets the text color of a button. Use css-style color code, i.e. "#ffffff" for white.
Button.SetTextShadow( radius,dx,dy,color )	
Button.SetTextSize( size,mode )	
Button.SetVisibility( HideShow )	"Hide" hides the button without affecting the rest of the layout. "Show" displays the button. "Gone" hides the button totally, so that the layout will be rearranged. (See example below.)

## Options

Options	Description
Alum	Display the Button in aluminum style
FillX	Fill the layout width
Gray	Display the Button in Gray Color
NoSound	Play no sound, if the button will be touched
Custom	<a href="#">Custom Buttons sample</a>
NoPad	Removes default padding of custom buttons
FontAwesome	Use Font-Awesome icons
Html	Enable HTML in button-text

## Example - Default Size

```
function OnStart()
{
    lay = app.CreateLayout( "Linear", "VCenter,FillXY" );

    btn = app.CreateButton( "Press Me" );
    btn.SetOnTouch( SayHello );
    lay.AddChild( btn );

    app.AddLayout( lay );
}

function SayHello()
{
    app.ShowPopup("Hello World!");
}
```

```
}
```

## Example - Fixed Size

```
function OnStart()
{
    lay = app.CreateLayout( "Linear", "VCenter,FillXY" );

    btn = app.CreateButton( "Press Me", 0.5, 0.2 );
    btn.SetOnTouch( SayHello );
    lay.AddChild( btn );

    app.AddLayout( lay );
}

function SayHello()
{
    app.ShowPopup("Hello World!");
}
```

## Example - Fill layout width

```
function OnStart()
{
    lay = app.CreateLayout( "Linear", "VCenter,FillXY" );
    lay.SetPadding( 0.02, 0.02, 0.02, 0.02 );

    btn = app.CreateButton( "Press Me", -1, -1, "FillX" );
    btn.SetOnTouch( SayHello );
    lay.AddChild( btn );

    app.AddLayout( lay );
}

function SayHello()
{
    app.ShowPopup("Hello World!");
}
```

## Example - Change Style

```
function OnStart()
{
    lay = app.CreateLayout( "Linear", "Vertical,FillXY" );
    lay.SetPadding( 0.1, 0.1, 0.1, 0 );

    b1 = app.CreateButton( "Normal", -1, -1, "FillX" );
```

```
lay.AddChild( b1 );  
  
b2 = app.CreateButton( "Gray", -1, -1, "FillX,Gray" );  
lay.AddChild( b2 );  
  
b3 = app.CreateButton( "Alum", -1, -1, "FillX,Alum" );  
lay.AddChild( b3 );  
  
app.AddLayout( lay );  
}
```

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