

# class GTK::V3::Gtk::GtkButton

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```
unit class GTK::V3::Gtk::GtkButton;  
also is GTK::V3::Gtk::GtkBin;
```

**GtkButton — A widget that emits a signal when clicked on**

## Synopsis

```
my GTK::V3::Gtk::GtkButton $start-button .= new(:label<Start>);
```

## Methods

### gtk\_button\_new

```
method gtk_button_new ( --> N-GObject )
```

Creates a new native button object

### [gtk\_button\_] new\_with\_label

```
method gtk_button_new_with_label ( Str $label --> N-GObject )
```

Creates a new native button object with a label

### [gtk\_button\_] get\_label

```
method gtk_button_get_label ( --> Str )
```

Get text label of button

### [gtk\_button\_] set\_label

```
method gtk_button_set_label ( Str $label )
```

Set a label ob the button

## new

```
multi submethod BUILD ( Str :$label )
```

Creates a new button object with a label

```
multi submethod BUILD ( Bool :$empty )
```

Create an empty button

```
multi submethod BUILD ( :$widget! )
```

Create a button using a native object from elsewhere. See also `Gtk::V3::Glib::GObject`.

```
multi submethod BUILD ( Str :$build-id! )
```

Create a button using a native object from a builder. See also `Gtk::V3::Glib::GObject`.

## Signals

Registering example

```
class MyHandlers {  
  method my-click-handler ( :$widget, :$my-data ) { ... }  
}  
  
# elsewhere  
my MyHandlers $mh .= new;  
$button.register-signal( $mh, 'click-handler', 'clicked', :$my-data);
```

See also method [register-signal](#) in `GTK::V3::Glib::GObject`.

## Supported signals

### clicked

Emitted when the button has been activated (pressed and released).

Handler signature;

```
handler ( instance: :$widget, :$user-option1, ..., :$user-optionN )
```

## Unsupported signals

### activated

Signal [activated](#) is not supported because GTK advises against the use of it.

## Deprecated signals

### enter

Signal [enter](#) has been deprecated since version 2.8 and should not be used in newly-written code. Use the “enter-notify-event” signal.

### leave

Signal [leave](#) has been deprecated since version 2.8 and should not be used in newly-written code. Use the “leave-notify-event” signal.

### pressed

Signal [pressed](#) has been deprecated since version 2.8 and should not be used in newly-written code. Use the “button-press-event” signal.

### released

Signal `released` has been deprecated since version 2.8 and should not be used in newly-written code. Use the “button-release-event” signal.