

# Package ‘gggrid’

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**Type** Package

**Title** Draw with 'grid' in 'ggplot2'

**Version** 0.2-0

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**Description** An extension of 'ggplot2' that makes it easy to add raw 'grid' output, such as customised annotations, to a 'ggplot2' plot.

**Depends** grid, ggplot2

**Suggests** knitr, rmarkdown, vline

**URL** <https://github.com/pmur002/gggrid>,<https://stattech.wordpress.fos.auckland.ac.nz/2021/05/31/2021-01-accessing-grid-from-ggplot2/>

**VignetteBuilder** knitr

**License** GPL-3

**NeedsCompilation** no

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**Repository** CRAN

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grid\_panel

*Add a **grid** Layer.*


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### Description

Adds a layer to a **ggplot2** plot based on a raw **grid** grob or on a function that generates a 'grid' grob.

### Usage

```
grid_panel(grob = nullGrob(),
           mapping = NULL, data = NULL, stat = "identity",
           position = "identity", inherit.aes = TRUE,
           show.legend = FALSE, key_glyph = NULL,
           debug = NULL, ...)
grid_group(grob = nullGrob(),
           mapping = NULL, data = NULL, stat = "identity",
           position = "identity", inherit.aes = TRUE,
           show.legend = FALSE, key_glyph = NULL,
           debug = NULL, ...)
```

### Arguments

grob	Either a <b>grid</b> grob or a function. The function must accept two arguments (data and coords) and must return a <b>grid</b> grob.
mapping, data, stat, position, inherit.aes	Standard arguments to a <b>ggplot2</b> Geom.
debug	Either NULL or a function. The function must accept two arguments (data and coords) and will usually just print debugging output of some kind.
show.legend	Logical indicating whether grob should contribute to the legend.
key_glyph	A function to draw the key glyph in the legend.
...	Other arguments passed on to <code>ggplot2::layer()</code> .

### Details

The `grid_panel()` function will draw the grob, or call the grob function, once for each **ggplot2** panel.

The `grid_group()` function will draw the grob, or call the grob function, once for each **ggplot2** group.

### Note

When adding a `key_glyph`, the call to `grid_panel()` or `grid_group()` must include an explicit mapping.

**Author(s)**

Paul Murrell

**Examples**

```
tg <- textGrob("label",
              x=unit(1, "npc") - unit(2, "mm"),
              y=unit(1, "npc") - unit(2, "mm"),
              just=c("right", "top"))
ggplot(mtcars) +
  geom_point(aes(displacement, mpg)) +
  grid_panel(tg)
```

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