

href-ul: L^AT_EX Package That Makes Underscored Links*

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1 Introduction

This package helps you make your hyperlinks underlined, using `\href` command:

Go to Google!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 Go to
6   \href{https://google.com}{Google}!
7 \end{document}
```

Changing the color of the text also changes the color of the line:

Go to Google!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \usepackage{xcolor}
5 \begin{document}
6 Go to {\color{red}
7   \href{https://google.com}{Google}}!
8 \end{document}
```

Changing the size of the text doesn't change the height of the line:

You can always find
anything in Google, but
it's better to learn something
from a school too!

```
1 \documentclass{article}
2 \pagestyle{empty}
3 \usepackage{href-ul}
4 \begin{document}
5 You can always find \\ anything in
6 {\Large \href{https://google.com}{Google}},
7 but \\ it's better to learn
8 something \\ from a school too!
9 \end{document}
```

*The sources are in GitHub at [yegor256/href-ul](https://github.com/yegor256/href-ul)

With the help of the `plain` package option, it's possible to avoid underscores:

This link has no underscore: Google.	<pre>3 \usepackage[plain]{href-ul} 4 \begin{document} 5 This link has no underscore: \\ 6 \href{https://google.com}{Google}. 7 \end{document}</pre>
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2 Implementation

First, we process package options:

```
1 \RequirePackage{pgfopts}
2 \pgfkeys{
3   /href/.cd,
4   plain/.store in=\href@plain
5 }
6 \ProcessPgfPackageOptions{/href}
```

Then, we include the `ulem` package in order to enable underscores:

```
7 \makeatletter
8 \ifdefined\href@plain\else
9 \PassOptionsToPackage{normalem}{ulem}
10 \RequirePackage{ulem}
11 \fi
12 \makeatother
```

Then, we include the `hyperref` package for PDF hyperlinks:

```
13 \PassOptionsToPackage{hidelinks}{hyperref}
14 \RequirePackage{hyperref}
```

`\href` Then, we define the `\href` command:

```
15 \makeatletter%
16 \begingroup%
17 \catcode'\$=6 %
18 \catcode'\#=12 %
19 \gdef\href@split$1#$2#$3\\$4{%
20   \hyper@link{$1}{$2}{%
21     \ifdefined\href@plain$4\else\uline{$4}\fi}%
22   \endgroup%
23 }%
24 \endgroup%
25 \makeatother%
```

Change History

0.4.0	v0.2.0
	General: Initial version 2
General: Package options processing introduced with a single <code>plain</code> option. 2	v0.3.0
	General: We started using "docshots" package for better rendering of examples. 2

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Numbers written in *italics* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols	H	P
<code>\#</code> 18	<code>\href</code> <u>15</u>	<code>\PassOptionsToPackage</code> 9, 13
<code>\\$</code> 17	<code>\href@plain</code> 4, 8, 21	<code>\pgfkeys</code> 2
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