

# **modernnewspaper**

## A Modern, Unicode-First Newspaper Package for LaTeX

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### 1 Introduction

The **modernnewspaper** package is a modern, Unicode-first LaTeX package for creating newspaper-style documents. It is designed as a clean, stable, and extensible alternative to the legacy `newspaper` package.

The package supports multilingual content, multi-column layouts, right-to-left (RTL) scripts, custom drop caps, column-safe images, and newspaper-style headers, while remaining suitable for professional print output.

### 2 Requirements

This package **requires** one of the following engines:

- XeLaTeX
- LuaLaTeX

The package does **not** support pdfLaTeX, as full Unicode support is mandatory.

### 3 Installation

#### 3.1 Local Installation

Copy `modernnewspaper.sty` into the same directory as your `.tex` file.

#### 3.2 User Installation

Alternatively, install it into your local `texmf` tree:

```
~/texmf/tex/latex/modernnewspaper/
```

### 4 Basic Usage

Load the package in the document preamble:

```
\usepackage{modernnewspaper}
```

## 5 Metadata Commands

The following commands configure the newspaper metadata:

```
\SetPaperName{Modern Newspaper}  
\SetPaperSlogan{Informing the future}  
\SetPaperLocation{Yangon, Myanmar}  
\SetPaperWebsite{https://example.com}  
\SetPaperVolume{1}  
\SetPaperIssue{5}  
\SetPaperDate{\today}
```

## 6 Masthead

To typeset the main newspaper masthead (front page only), use:

```
\MakePaperHeader
```

This command prints the paper name, slogan, location, volume, issue, date, and website URL. Inner pages typically use a simplified custom header.

## 7 Columns

Newspaper content is usually set in multiple columns.

```
\BeginNewsColumns{3}  
% content  
\EndNewsColumns
```

The number of columns may be adjusted as needed.

## 8 Articles

Articles are created using the article environment together with headline and byline commands.

### 8.1 Headline

```
\headline{Article Title}
```

### 8.2 Byline

```
\byline{Author Name}
```

The word “By” may be localized:

```
\SetByWord {}
```

### 8.3 Article Environment

```
\begin{article}  
  \headline{Sample Article}  
  \byline{Editor}  
  
  This is the article body text.  
\end{article}
```

## 9 Drop Caps

The package provides a Unicode-safe drop-cap command that works in multi-column layouts and with all scripts.

```
\DropCap{E}nglish text starts here.
```

This implementation avoids the `lettrine` package to ensure stability with Unicode engines.

## 10 Images

Images are inserted using a column-safe command:

```
\ArticleImage{0.9\columnwidth}{example-image}{Caption text}
```

This approach avoids floating conflicts inside multi-column layouts.

## 11 RTL Support

Right-to-left scripts such as Arabic and Hebrew are supported:

```
\EnableRTL
\SetByWord {}

\begin{article}
    \headline {} {
    \byline {}
    .
\end{article}

\DisableRTL
\SetByWord{By}
```

## 12 Unicode Support

The **modernnewspaper** package fully supports Unicode text across multiple scripts, provided appropriate fonts are installed.

Supported scripts include:

. . . English

Fonts are selected explicitly per script to avoid missing glyphs.

## 13 Section Banners

Newspaper-style section banners may be created using horizontal rules with centered text:

```
\SectionBanner{World News}
```

This produces a compact banner with rules above and below the text.

## 14 Limitations

Current limitations include:

- No automatic font switching (manual selection required)
- No theme presets
- No automatic page headers

These limitations are intentional to preserve layout stability.

## 15 Roadmap

Planned improvements include:

- Automatic font selection per script
- Newspaper class file (`modernnewspaper.cls`)
- Running headers and page numbers
- Theme presets
- CTAN submission

## 16 License

This package is distributed under the **LaTeX Project Public License (LPPL) v1.3c**.

See the LICENSE file or visit:

<https://www.latex-project.org/lppl.txt>

## 17 Contact

Project repository:

<https://github.com/Laitei40/modernnewspaper>