

The leaflet document class

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1 Usage

Process the file `leaflet-manual.tex` with \LaTeX to see details of usage and layout.

2 Implementation

```
1 (*class)
```

2.1 Saving some internal macros...

```
2 \let\LL@shipout\shipout \let\LL@outputpage\@outputpage
3 \let\LL@begindvi\@begindvi \let\LL@end\@end
```

2.2 Option processing

```
4 \ifundefined{iflandscape}{\newif\iflandscape}{}%
5 \ifundefined{iftumble}{\newif\iftumble}{}%
6 \ifundefined{iftwopart}{\newif\iftwopart}{}%
7 \ifundefined{iffoldcorr}{\newif\iffoldcorr}{}%
8 \newlength\LL@tempdima
9 \newcommand\LL@debug@info[1]{}%
10 \DeclareOption{dvips}{\PassOptionsToPackage{\CurrentOption}{graphics}}
11 \DeclareOption{pdftex}{\PassOptionsToPackage{\CurrentOption}{graphics}}
12 \DeclareOption{vtex}{\PassOptionsToPackage{\CurrentOption}{graphics}}
13 \DeclareOption{dvipdfm}{\PassOptionsToPackage{\CurrentOption}{graphics}}
14 \DeclareOption{twoside}{\OptionNotUsed}
15 \DeclareOption{twocolumn}{\OptionNotUsed}
16 \DeclareOption{landscape}{\landscapetrue}
17 \DeclareOption{portrait}{\landscapefalse}
18 \DeclareOption{debug}{\let\LL@debug@info\typeout}
19 \DeclareOption{twopart}{\twoparttrue}
20 \DeclareOption{notwopart}{\twopartfalse}
21 \DeclareOption{nospecialtricks}{}%
22 \AtEndOfClass{%
```

```

23 \ifLL@combine
24 \let\immediate\@@immediate\let\write\@@write
25 \let\openout\@@openout\let\closeout\@@closeout
26 \let\special\@@special\let\@@@exec@outs\relax
27 \fi}}

```

`\LL@setPaperSize` Some paper sizes are not supported by the article class. Hence this work-around. These page dimensions *must* be given in landscape orientation!

```

28 \newcommand*\LL@setPaperSize{}
29 \DeclareOption{a3paper}{\def\LL@setPaperSize{%
30 \paperwidth=420mm\paperheight=297mm\relax}}%
31 \ifdefinable\ifLL@combine{\newif\ifLL@combine}
32 \DeclareOption{combine}{\LL@combinetrue}
33 \DeclareOption{nocombine}{\LL@combinefalse}

```

`\LL@selectOutput`

```

34 \newcommand*\LL@selectOutput{}
35 \DeclareOption{frontside}{\def\LL@selectOutput#1#2{#1}}
36 \DeclareOption{backside}{\def\LL@selectOutput#1#2{#2}}
37 \DeclareOption{bothsides}{\def\LL@selectOutput#1#2{#1#2}}

38 \DeclareOption{tumble}{\tumbletrue}
39 \DeclareOption{notumble}{\tumblefalse}

```

`\LL@foldmark` Drawing code for the fold mark. (Will be called within a picture environment.)

```

40 \newcommand*\LL@foldmark{}
41 \DeclareOption{foldmark}{%
42 \def\LL@foldmark{%
43 \begingroup
44 \linethickness{\LenToUnit{\foldmarkrule}}%
45 \@tempdima=\dimexpr\paperheight-\LL@tmargin
46 \put(0,\LenToUnit{\@tempdima}){%
47 \line(0,-1){\LenToUnit{\foldmarklength}}}%
48 \endgroup}%
49 }

50 \DeclareOption{nofoldmark}{\def\LL@foldmark{}}%

51 \DeclareOption{foldcorr}{\foldcorrtrue}
52 \DeclareOption{nofoldcorr}{\foldcorrfalse}

53 \newcommand*\LL@toomanypages[2]{}
54 \DeclareOption{draft}{\PassOptionsToClass{\CurrentOption}{article}}%
55 \AtEndOfClass{%
56 \def\LL@toomanypages#1#2{%
57 \ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}%
58 }%
59 }

60 \DeclareOption{final}{\PassOptionsToClass{\CurrentOption}{article}}%
61 \AtEndOfClass{%
62 \ifLL@combine
63 \def\LL@toomanypages#1#2{%
64 \ClassError{leaflet}{#1}{#2.}}%
65 \else
66 \def\LL@toomanypages#1#2{%
67 \ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}%
68 \fi
69 }%
70 }

71 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
72 \PassOptionsToClass{landscape,a4paper}{article}
73 \ExecuteOptions{tumble,foldmark,bothsides,combine,landscape,notwopart}
74 \ProcessOptions\relax
75 \ifLL@combine

```

```

\LL@rotate@I Rotates the output pages.
\LL@rotate@II 76 \newcommand*\LL@rotate@I{\newcommand*\LL@rotate@II{}}
77 \iflandscape
78 \def\LL@rotate@I#1{#1}%
79 \iftumble
80 \def\LL@rotate@II#1{\rotatebox[origin=c]{180}{#1}}%
81 \else
82 \def\LL@rotate@II#1{#1}%
83 \fi
84 \else
85 \def\LL@rotate@I#1{\rotatebox[origin=c]{90}{#1}}%
86 \iftumble
87 \def\LL@rotate@II#1{\rotatebox[origin=c]{270}{#1}}%
88 \else
89 \def\LL@rotate@II#1{\rotatebox[origin=c]{90}{#1}}%
90 \fi
91 \fi

\immediate Im Folgenden definieren wir die TeX primitives \immediate, \write, \openout und \closeout
\write um. Alle nicht "immediate" ausgeführten Anweisungen werden dem Makro \@@@pending@outs
\openout (Kommaliste) hinzugefügt. So können speziell die \write-Anweisungen unabhängig von TeX's
\closeout \shipout zu einem günstigen Zeitpunkt ausgeführt werden. For VTEX we must keep in mind
that \immediate\special exist.

92 \def\@@@pending@outs{\let\@@@immediate\immediate
93 \let\@@@write\write \let\@@@special\special
94 \let\@@@openout\openout \let\@@@closeout\closeout
95 \def\immediate{%
96 \let\write\immediate@write%
97 \let\openout\immediate@openout%
98 \let\closeout\immediate@closeout%
99 \let\special\immediate@special}%
100 \def\reset@immediate{%
101 \let\write\pending@write%
102 \let\openout\pending@openout%
103 \let\closeout\pending@closeout%
104 \let\special\@@@special}%
105 \long\def\pending@write#1{\pending@write{#1}}
106 \def\immediate@write{%
107 \reset@immediate\@@@immediate\@@@write}%
108 \def\immediate@openout{%
109 \reset@immediate\@@@immediate\@@@openout}%
110 \def\immediate@closeout{%
111 \reset@immediate\@@@immediate\@@@closeout}%
112 \def\immediate@special{%
113 \reset@immediate\@@@immediate\@@@special}%
114 \let\write\pending@write
115 \let\openout\pending@openout
116 \let\closeout\pending@closeout

\@dummy@whatsit Makes our redefined primitives more like "whatsits" (???). '\special{}' is also possible for
pdfTeX but we get a lot of strange warnings ("Non-PDF special ignored!") in this case.

117 \def\@dummy@whatsit{\special{}}
118 \begingroup\@ifundefined{pdfoutput}%
119 {\endgroup}
120 {\endgroup}
121 \ifnum\pdfoutput>\z@\def\@dummy@whatsit{\pdfliteral{}}\fi

122 \begingroup\expandafter\expandafter\expandafter\endgroup
123 \expandafter\ifx\cscname eTeXversion\endcscname\relax
124 %% Test is from Markus Kohm (d.c.t.t, 29 Jun 2004)
125 \ClassWarningNoLine{leaflet}{%
126 *****\MessageBreak
127 * It's very recommended to use eTeX \MessageBreak

```

```

128 * with this package! \MessageBreak
129 *****}%

\pending@@write Doesn't work correctly without any \mark or \special or \pdfliteral command inside.
130 \long\def\pending@@write#1#2{%
131 \@dummy@whatsit
132 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@write\number#1{#2},}%

\pending@openout
133 \def\pending@openout#1 {%
134 \@dummy@whatsit
135 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}%

\pending@closeout
136 \def\pending@closeout#1{%
137 \@dummy@whatsit
138 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@closeout\number#1,}%

@@@exec@outs Note to this implementation: The out commands and the page breaks are not always in sync,
which means possible wrong page references.
139 \newcommand*\@@@exec@outs{%
140 \@@@pending@outs\gdef\@@@pending@outs{%
141 \LL@debug@info{%
142 >>> execute the output commands of the current page <<<}}%

143 \else
144 \RequirePackage{etex}

Allocation of a new mark class.
145 \globmarks\@@@out@mark
146 \newcounter{@@total@outs}\setcounter{@@total@outs}{0}
147 \newcounter{@@last@exec}\setcounter{@@last@exec}{0}

\pending@@write Doesn't work correctly without any \mark or \special or \pdfliteral command inside.
148 \long\def\pending@@write#1#2{%
149 \global\advance\c@@@total@outs\@ne%
150 \marks\@@@out@mark{\the\c@@@total@outs}%
151 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@write\number#1{#2},}%

\pending@openout
\pending@@openout 152 \def\pending@openout#1 {%
\pending@@@openout 153 \global\advance\c@@@total@outs\@ne%
\@ifequalsign 154 \marks\@@@out@mark{\the\c@@@total@outs}%
155 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}%

\pending@closeout
156 \def\pending@closeout#1{%
157 \global\advance\c@@@total@outs\@ne%
158 \marks\@@@out@mark{\the\c@@@total@outs}%
159 \g@addto@macro\@@@pending@outs{\@@@immediate\@@@closeout\number#1,}%

@@@exec@outs With the call of \@@@exec@outs we simulate TEX's execution of non-immediate output com-
mands. The number of pending commands which can be executed must be decremented by
\value{@@total@outs} - \botmarks\@@@out@mark. The remaining commands must still wait
until the next output page is ready. It works only for output commands in the main text which
moved to the next page but not for floating output commands.
160 \newcommand*\@@@exec@outs{%
161 \begingroup

Pending io's = \@tempcntb = TOTAL-OUTS - LAST-EXEC
162 \@tempcntb\c@@@total@outs\advance\@tempcntb-\c@@@last@exec%
163 \edef\reserved@a{\botmarks\@@@out@mark}%
164 \ifx\reserved@a\@empty\@tempcnta\z@\else\@tempcnta\reserved@a\fi%

```

```

165     \LL@debug@info{PENDING-OUTS:\the\@tempcntb\space\space
166         TOTAL-OUTS:\the\c@@@total@outs\space\space
167         LAST-EXEC:\the\c@@@last@exec\space\space
168         TOPMARK:\topmarks\@@@out@mark\space\space
169         FIRSTMARK:\firstmarks\@@@out@mark\space\space
170         BOTMARK:\botmarks\@@@out@mark}%

Last valid pending entry = \@tempcntb = PENDING-OUTS - TOTAL-OUTS + BOTMARK
Number of invalid (moved) out's = \@tempcnta = TOTAL-OUTS - BOTMARK

171     \advance\@tempcnta-\c@@@total@outs \advance\@tempcntb\@tempcnta
172     \@tempcnta-\@tempcnta%
173     \ifnum\@tempcnta>\z@
174     \LL@debug@info{%
175         >>> resave \the\@tempcnta\space output command(s).
176         Too early to execute! <<<}%
177     \fi
178     \@tempcnta\z@ \def\reserved@b{}%
179     \@for\reserved@a :=\@@@pending@outs\do{%
180     \ifx\reserved@a\@empty\else
181     \ifnum\@tempcnta<\@tempcntb%
182     \reserved@a% execute output's related to the current page box.
183     \global\advance\c@@@last@exec\@ne
184     \LL@debug@info{>>> execute output command number
185     \the\c@@@last@exec\space<<<}%
186     \else
Other output's must be resaved and still pending.
187     \expandafter\g@addto@macro\expandafter\reserved@b\expandafter{%
188     \reserved@a,}%
189     \fi
190     \advance\@tempcnta\@ne%
191     \fi}%
192     \expandafter\@temptokena\expandafter{\reserved@b}%
193     \xdef\@@@pending@outs{\the\@temptokena}%
194     \endgroup}%

195 \fi% end of eTeX test.

```

`\protected@write` Because our redefined `\write` is expandable we must protect it inside of L^AT_EX's `\protected@write`.

```

196 \long\def\protected@write#1#2#3{%
197 \begingroup
198 \let\thepage\relax
199 #2%
200 \let\protect\@unexpandable@protect
201 \edef\reserved@a{\noexpand\write#1{#3}}%
202 \reserved@a%
203 \endgroup
204 \if@nobreak\ifvmode\nobreak\fi\fi}%

```

`\shipout` We make L^AT_EX's `\shipout` inefficacious (no more shipout at all).

```

205 \def\shipout{\deadcycles\z@\setbox\@tempboxa=}

```

`\@begindvi` Delay `\@begindvi` to be executed until the real page output.

```

206 \let\@begindvi\@empty
207 \fi% end of \ifLL@combine

```

`\LL@toomanypages` Now elsewhere ...

```

208 \LoadClass{article}
209 \RequirePackage{everyshi,graphicx}

```

`\LL@pagesize@specials` Now the graphics driver is known. We will check the graphics driver and set special code for page dimensions and other.

```

210 \newcommand*\LL@pagesize@specials[2]{%
211 \ifundefined{Gin@driver}{-%
212   \ifx\Gin@driver\@empty\else%
213     \filename@parse{\Gin@driver}\@tempwafalse%
214     \def\reserved@a{dvips}%
215     \ifx\filename@base\reserved@a\@tempwattrue\fi%
216     \def\reserved@a{dvi}
217     \ifx\filename@base\reserved@a\@tempwattrue\fi%
218     \if@tempswa
219       \ClassInfo{leaflet}{Generating code for dvips}%
220       \def\LL@pagesize@specials#1#2{%
221         \@tempdima=#1\@tempdimb=#2%
222         \AtBeginDvi{\special{papersize=\the\@tempdima,\the\@tempdimb}}}%
223       \fi
224       \def\reserved@a{pdftex}%
225       \ifx\filename@base\reserved@a
226         \ClassInfo{leaflet}{Generating code for pdfTeX}%
227         \def\LL@pagesize@specials#1#2{%
228           \@tempdima=#1\@tempdimb=#2%
229           \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
230         \fi
231         \def\reserved@a{luatex}%
232         \ifx\filename@base\reserved@a
233           \ClassInfo{leaflet}{Generating code for LuaTeX}%
234           \ifx\pdfvariable\@undefined
235             \def\LL@pagesize@specials#1#2{%
236               \@tempdima=#1\@tempdimb=#2%
237               \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
238             \else
239               \def\LL@pagesize@specials#1#2{%
240                 \@tempdima=#1\@tempdimb=#2%
241                 \pagewidth\@tempdima\pageheight\@tempdimb}%
242               \fi
243             \fi
244             \def\reserved@a{xetex}%
245             \ifx\filename@base\reserved@a
246               \ClassInfo{leaflet}{Generating code for XeTeX}%
247               \def\LL@pagesize@specials#1#2{%
248                 \@tempdima=#1\@tempdimb=#2%
249                 \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
250               \fi
251               \def\reserved@a{vtex}%
252               \ifx\filename@base\reserved@a
253                 \ClassInfo{leaflet}{Generating code for VTeX}%
254                 \def\LL@pagesize@specials#1#2{%
255                   \@tempdima=#1\@tempdimb=#2%
256                   \mediawidth\@tempdima\mediaheight\@tempdimb}%
257                 \fi
258               \fi
259 }

```

`\LL@CmdIgnored`

```

260 \newcommand*\LL@CmdIgnored[1]{%
261   \ClassWarning{leaflet}{%
262     '\string#1' ignored}}

```

2.3 Changing the class properties

```

263 \setlength{\parskip}{1ex plus 2pt}
264 \@listi%
265 \setlength{\labelwidth}{\leftmargin}

```

```

266 \addtolength{\labelwidth}{-\labelsep}
267 \pagestyle{empty}
268 \headheight\z@
269 \headsep\z@
270 \footskip\z@
271 \marginparwidth\z@
272 \marginparsep\z@
273 \sloppy
274 \setcounter{secnumdepth}{0}
275 %\renewcommand\marginpar[2] []{\LL@CmdIgnored{\marginpar}}
276 \renewcommand\twocolumn[1] []{\LL@CmdIgnored{\twocolumn}}
277 \renewcommand\onecolumn{\LL@CmdIgnored{\onecolumn}}
278 \renewcommand\topfraction{0.7}
279 \renewcommand\bottomfraction{0.7}
280 \setlength{\textfloatsep}{10pt plus 4pt minus 3pt}
281 \setlength{\parindent}{\z@}
282 \setlength{\leftmargini}{1.5em}
283 \setlength{\leftmarginii}{1.5em}
284 \setlength{\leftmarginiii}{1.5em}
285 \setlength{\leftmarginiv}{1.5em}
286 \setlength{\leftmarginv}{1.5em}
287 \setlength{\leftmarginvi}{1.5em}
288 \setlength{\labelsep}{.5em}
289 \setlength \labelwidth{\leftmargini}
290 \addtolength\labelwidth{-\labelsep}

\noparskip
291 \def\noparskip{\par\vspace{-\parskip}}

Modification of list and section parameters for a more compact layout.
292 \let\old@small\small
293 \renewcommand{\small}{\old@small\let\@listi\@listI}
294 \let\old@footnotesize\footnotesize
295 \renewcommand{\footnotesize}{\old@footnotesize\let\@listi\@listI}

\sectfont User macro for changing the font of the typesetted parameter of the \?section commands.
296 \newcommand{\sectfont}{\bfseries}

297 \renewcommand\section{\@startsection{section}{1}{\z@}%
298 {-3.5ex \@plus -.75ex}%
299 {1ex} %\{1.5ex\}%
300 {\normalfont\large\sectfont}}
301 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
302 {-2.5ex plus -.5ex}%
303 {1\p@} %\{1ex\}%
304 {\normalfont\normalsize\sectfont}}
305 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
306 {-2.5ex plus -.5ex}%
307 {-1em}%
308 {\normalfont\normalsize\sectfont}}
309 \def\part{\LL@CmdIgnored{\part}\secdef\@part\@spart}
310 \def\@part[#1]#2{}
311 \def\@spart#1{}
312
313 \renewcommand*\descriptionlabel[1]{%
314 \hspace\labelsep\normalfont\descfont #1}

\descfont User macro for changing the font of the description label.
315 \newcommand*\descfont{\bfseries}

316 \iffalse
317 % Doesn't work!
318 \g@addto@macro\enumerate{\parsep2\p@\@plus2\p@\@minus\z@}
319 \g@addto@macro\itemize{\parsep2\p@\@plus2\p@\@minus\z@}

```

```

320 \g@addto@macro\description{\parsep2\p@\@plus2\p@\@minus\z@}
321 \else
322 \newcommand*{\LL@listsetup}{%
323 % \parsep.445ex\@plus.445ex\@minus.2225ex%
324 % \parsep.5ex\@plus.5ex\@minus.25ex%
325 \parsep1ex\@plus.5ex\@minus.25ex%
326 \LL@debug@info{***parsep=\the\parsep}%
327 % \itemsep.25\parsep
328 \itemsep\z@
329 \LL@debug@info{***itemsep=\the\itemsep}%
330 \topsep\z@
331 \LL@debug@info{***topsep=\the\topsep}%
332 % \partopsep\z@
333 \LL@debug@info{***partopsep=\the\partopsep}%
334 }
335 \def\enumerate{%
336 \ifnum \@enumdepth >\thr@@\@toodeep\else
337 \advance\@enumdepth\@ne
338 \edef\@enumctr{enum\romannumeral\the\@enumdepth}%
339 \expandafter
340 \list
341 \csname label\@enumctr\endcsname
342 {\usecounter\@enumctr
343 \def\makelabel##1{\hss\llap{##1}}%
344 %\def\makelabel##1{##1\hfill}%
345 %\def\makelabel##1{\hss##1}%
346 \LL@listsetup
347 }%
348 \fi}
349 \def\itemize{%
350 \ifnum \@itemdepth >\thr@@\@toodeep\else
351 \advance\@itemdepth\@ne
352 \edef\@itemitem{labelitem\romannumeral\the\@itemdepth}%
353 \expandafter
354 \list
355 \csname\@itemitem\endcsname
356 {%
357 \def\makelabel##1{\hss\llap{##1}}%
358 %\def\makelabel##1{##1\hfill}%
359 %\def\makelabel##1{\hss##1}%
360 \LL@listsetup
361 }%
362 \fi}
363 \renewenvironment{description}
364 {\list{}{\labelwidth\z@ \itemindent-\leftmargin
365 \let\makelabel\descriptionlabel
366 \LL@listsetup}}
367 {\endlist}
368 \fi

```

2.4 Changing the page dimensions

`\setmargins` User command to specify the margins. (o, u, l, r)
`\setmargins{<top>}{<bottom>}{<left>}{<right>}`

The new user interface! By default, the leaflet class does not use headings, footings and marginal notes. If the user desires, these can be restored by setting the respective lengths *before* calling `\setmargins`. Setting the margins should *always* be done using `\setmargins`; if the user assigns to any of the length registers `\topmargin`, `\evensidemargin`, `\oddsidemargin` using `\setlength`, chaos will happen.

```

369 \newcommand*\setmargins[4]{%
temp. top!
370 \setlength\topmargin{#1}%

```



```

371 \edef\LL@tmargin{\the\topmargin}%
temp. bottom!
372 \setlength\evensidemargin{#2}%
373 \textheight=\dimexpr\paperheight
374 -\topmargin-\evensidemargin-\headheight-\headsep-\footskip
temp. left!
375 \setlength\oddsidemargin{#3}%
temp. right!
376 \setlength\evensidemargin{#4}%
377 \textwidth=\dimexpr\paperwidth
378 -\oddsidemargin-\evensidemargin-\marginparwidth-\marginparsep
real top!
379 \addtolength\topmargin{-1in}%
real left!
380 \addtolength\oddsidemargin{-1in}%
probably not necessary
381 \evensidemargin\oddsidemargin
382 }

```

The dimensions of a single small page.

```

383 \LL@setPaperSize
384 \paperwidth=0.333333334\paperwidth
385 \setmargins{11mm}{11mm}{8mm}{8mm}

```

2.5 Additional user macros

`\foldmarkrule` The dimension of the foldmark between page 2 and page 3.

```

\foldmarklength 386 \newcommand*\foldmarkrule{0.4pt}
387 \newcommand*\foldmarklength{2mm}

```

`\AddToBackground` Adds the given parameter #2 (some picture commands) to a macro which will be used inside a zero-dimensional picture environment located at the lower left corner of a page. Parameter #1 selects the page number. The star version adds the picture commands to the background of one of the combined large pages instead of one of the small pages.

```

388 \newcommand\AddToBackground{%
389 \ifstar{\@tempwatrue\LL@AddToBackground}
390 {\@tempwafalse\LL@AddToBackground}}
391 \@onlypreamble\AddToBackground
392 \newcommand\LL@AddToBackground[2]{%
393 \if@tempwa\def\@tempa{\LL@largePic}\else\def\@tempa{\LL@smallPic}\fi
394 \expandafter\providecommand\cname\@tempa\@Roman{#1}\endcname{}}%
395 \expandafter\g@addto@macro\cname\@tempa\@Roman{#1}\endcname{#2}}

```

`\LenToUnit` `\LenToUnit{<dimension>}` can be used in a picture environment instead of multiples of `\unitlength`.

```

396 \providecommand\LenToUnit[1]{#1\@gobble}

```

`\CutLine` Adds a dotted line with two scissors on the left side of the page given as parameter #1. The starred version draws only the dotted line.

```

\Scissors 397 \newcommand*\CutLine{%
398 \ifstar{\@tempwatrue\LL@CutLine}{\@tempwafalse\LL@CutLine}}
399 \@onlypreamble\CutLine
400 \newcommand*\LL@CutLine[1]{%
401 \ifLL@combine
402 \ifx\Scissors\@empty\@tempwatrue\fi
403 \if@tempwa
404 \AddToBackground{#1}{%
405 \put(0,0){%

```

```

406         \rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){%
407             \normalsize
408             \dotfill}}}%
409     \else
410         \AddToBackground{#1}{%
411             \put(0,0){%
412                 \rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){%
413                     \normalsize
414                     \dotfill\Scissors\dotfill\dotfill\Scissors\dotfill}}}%
415             \fi
416         \fi}
417 \IfFileExists{pifont.sty}
418 {\RequirePackage{pifont}%
419  \newcommand*\Scissors{\raisebox{-0.85ex}{\large\ding{34}}}%
420 {\newcommand*\Scissors{}}}

```

Adds the fold mark code between page 2 and page 3.

```
421 \AddToBackground{3}{\LL@foldmark}
```

2.6 Page construction and output

2.6.1 Intercepting the small pages

`\vb@xt@` Similar to `\hb@xt@` (should be part of the L^AT_EX kernel).

```
422 \providecommand*\vb@xt@{\vbox to}
```

We use our own page saving macro instead of real L^AT_EX output.

```
423 \AtBeginDocument{\EveryShipout{\LL@savePage}}
```

`LL@page` A counter for the small pages (absolute counting).

```
424 \newcounter{LL@page}\setcounter{LL@page}{1}
425 \newcommand\LL@tempa{}
```

`\LL@savePage` With “combine” option the six small pages will be saved in box registers (`\LL@boxI...``\LL@boxVI`). The `box255` with the page content must be a bit moved to get a “normal-sized” box.

```

426 \newcommand*\LL@savePage{%
427     \ifnum\c@LL@page<7\relax
428         \LL@tempdima=\paperwidth
429         \ifLL@combine
430             \iffoldcorr
431                 \@tempswafalse
432                 \ifnum\c@LL@page=4\relax
433                     \@tempwatrue
434                 \else
435                     \ifnum\c@LL@page=5\relax
436                         \@tempwatrue
437                     \fi
438                 \fi
439                 \if@tempswa\LL@tempdima=0.9797979798\paperwidth
440                 \else\LL@tempdima=1.0101010101\paperwidth \fi
441             \fi
442             \@@@exec@outs
443             \expandafter\newsavebox\csname LL@box\Roman{LL@page}\endcsname%
444             \setbox\@cc@lv=\vbox{\vskip1in\unvbox\@cc@lv}%
445             \setbox\@cc@lv=\vbox{\moveright1in\box\@cc@lv}%
446             \setbox\@cc@lv=\hb@xt@\paperwidth{\box\@cc@lv\hss}%
447             \iffoldcorr\setbox\@cc@lv=\hb@xt@\LL@tempdima{\hss\box\@cc@lv\hss}\fi

```

Add a background picture to a single small page (‘combine’).

```

448     \setbox\@cc@lv=\vb@xt@\paperheight{%
449         \vbox{%
450             \pictur@(0,0)(0,\LenToUnit{\paperheight})%

```

```

451         \begingroup
452         \set@typeset@protect
453         \paperwidth=\LL@tempdima
454         \@nameuse{LL@smallPic\Roman{LL@page}}%
455         \endgroup
456     \endpicture
457 }%
458 \nointerlineskip\box\@cclv\vss
459 }%
460 \global\expandafter\setbox
461 \csname LL@box\Roman{LL@page}\endcsname=\box\@cclv
462 \typeout{\@spaces[\the\c@LL@page] ==> [\Roman{LL@page}]}%
463 \else

```

Add a background picture to a single small page ('nocombine').

```

464     \setbox\@cclv\vbox{%
465     \vbox{\@tempdima=1in\relax
466     \@tempdimb=\paperheight\advance\@tempdimb-\@tempdima
467     \pictur@(0,0)(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb})%
468     \begingroup
469     \set@typeset@protect
470     \@nameuse{LL@smallPic\Roman{LL@page}}%
471     \endgroup
472     \endpicture
473 }%
474 \nointerlineskip\box\@cclv
475 }%
476 \fi
477 \fi
478 \ifnum\c@LL@page=7\relax

```

Make this an error or warning message, depending on class option. (--> warning in all cases?)

```

479     \begingroup
480     \set@typeset@protect
481     \LL@toomanypages{%
482     The text you supplied fills more than six pages\MessageBreak
483     and will therefore not fit onto a single flyer}%
484     Try using smaller fonts or reducing vertical space}%
485     \endgroup
486 \fi
487 \stepcounter{LL@page}}

```

2.6.2 Generating missing small pages

NOTE TO OURSELVES: All the following must be done if the document code is already processed.

```
488 \ifLL@combine
```

```
\@@end
```

```
489 \def\@@end{%
490 \clearpage\pagestyle{empty}%

```

Restore the original \@outputpage command (removing any related background pictures).

```
491 \let\@outputpage\LL@outputpage
```

Suppresses all everyshi's clients (removing other kinds of background pictures) but our page saving macro is still needed for the next step and must be set again.

```
492 \def\@EveryShipout@Hook{}%
493 \def\@EveryShipout@AtNextHook{}%
494 \EveryShipout{\LL@savePage}%

```

Create empty pages if necessary.

```
495 \loop\ifnum\c@LL@page<7\relax
496 \ClassInfo{leaflet}{Generating empty page \the\c@page}%
497 \null\newpage
498 \repeat

```

2.6.3 Reassembling the small pages

Here begins the real output using L^AT_EX's original `\shipout`. The `everyshi` package isn't active any more. The `begin dvi` hook is reactivated.

```

499 \let\shipout\LL@shipout \let\@begindvi\LL@begindvi
500 \paperwidth=3\paperwidth
501 \iflandscape
502   \LL@pagesize@specials{\paperwidth}{\paperheight}%
503 \else
504   \LL@pagesize@specials{\paperheight}{\paperwidth}%
505 \fi

```

`\LL@shipoutPage` This is similar to L^AT_EX's `\@outputpage`, but without a group; `\set@display@protect` seems to work as well.

`\LL@preparePages` Helper macros for page output: reassemble the small pages.

```

\LL@preparePage 506 \newcommand*\LL@shipoutPage[1]{%
507 %   \set@display@protect
508   \let \protect \noexpand
509   \shipout\vb@xt@\paperheight{%
510     \set@typeset@protect
511     \vskip-1in%
512     \@begindvi\hb@xt@\paperwidth{\hskip-1in##1\hss}\vss}}%
513 \newcommand*\LL@preparePages[3]{%
514   \typeout{[\@Roman{##1}\space\@Roman{##2}\space\@Roman{##3}] ==>}%

```

Add a background picture to a large page.

```

515   \pictur@(0,0)\@nameuse{\LL@largePic\Roman{page}}\endpicture%
516   \LL@preparePage{##1}\LL@preparePage{##2}\LL@preparePage{##3}}%
517 \newcommand*\LL@preparePage[1]{%
518   \expandafter\box\cename LL@box\@Roman{##1}\endcename}%

```

Combine and output the frontside and the backside. The option `two part` arranges the pages in a different than the “natural” order, to allow the typesetting of a 4 page leaflet and a detachable 2 page form, for summaries, fill-in forms, applications, questionnaires, etc.

```

519   \LL@selectOutput
520   \iftwopart
521     {\setcounter{page}{1}%
522     \LL@shipoutPage{\LL@rotate@I{\LL@preparePages{6}{4}{1}}}%
523     {\setcounter{page}{2}%
524     \LL@shipoutPage{\LL@rotate@II{\LL@preparePages{2}{3}{5}}}%
525   \else
526     {\setcounter{page}{1}%
527     \LL@shipoutPage{\LL@rotate@I{\LL@preparePages{5}{6}{1}}}%
528     {\setcounter{page}{2}%
529     \LL@shipoutPage{\LL@rotate@II{\LL@preparePages{2}{3}{4}}}%
530   \fi
531   \LL@@end
532 }%

```

End of the redefinition of `\@@end`.

533 `\else`

Create empty pages if necessary and then call the normal L^AT_EX end.

```

534 \LL@pagesize@specials{\paperwidth}{\paperheight}%
535 \AtEndDocument{%
536   \clearpage\pagestyle{empty}%
537   \loop\ifnum\c@LL@page<7\relax
538     \ClassInfo{leaflet}{Generating empty page \the\c@page}%
539     \null\newpage
540   \repeat
541 }
542 \fi
543 \endclass

```

Done. Phew! (Did you hear that deep-drawn sigh?)

Change History

v0.8c	Una Smith. (RN) 2
General: Repacked as dtx file. (RN) 1	General: Options ‘twopart/notwopart’ suggested by Luis Rivera. No more ‘final’ in <code>\ExecuteOptions</code> suggested by Axel Berger (RN) 1
v0.9d	v1.0e
General: LPPL 1.3 (HjG) 1	<code>\LL@pagesize@specials</code> : Patch from Toby Thurston for XeLaTeX. (RN) . . 6
M-x delete-trailing-whitespace (HjG) . 1	v1.0pre1
More code documentation; some caveats. (HjG) 1	General: Redefinition of <code>\immediate</code> , <code>\write</code> , <code>\openout</code> and <code>\closeout</code> . (RN) 1
v0.9e	v1.0pre2
General: Add option ‘finish’. (RN/HjG) . 1	General: eTeX support. (RN) 1
v0.9f	v1.0pre3
General: Merge v0.9d and v0.9e (hastily). (HjG) 1	General: Options ‘landscape’ and ‘portait’. (RN) 1
v0.9g	v1.1a
General: Rename option ‘finish’ to ‘combine’. (RN/HjG) 1	<code>\LL@savePage</code> : Additions for new option ‘foldcorr’. (RN) 10
v1.0	<code>\LenToUnit</code> : <code>\providecommand</code> instead of <code>\newcommand</code> . (RN) 9
General: CTAN release. (RN/HjG) 1	General: New options ‘foldcorr/nofoldcorr’ suggested by Walter Schmidt. (RN) 2
v1.0a	Using <code>\dimexpr</code> instead of package ‘calc’. (RN) 5
<code>\LenToUnit</code> : New macro <code>\LenToUnit</code> . (RN) 9	v1.1b
General: Option ‘debug’. (RN) 1	<code>\LL@pagesize@specials</code> : Adding code for LuaTeX >0.85. Thanks to Knut Lickert for his bug report. (RN) 6
v1.0b	
<code>\closeout</code> : <code>\special</code> must be processed similar to e.g. <code>\write (VTeX)</code> . (RN) . 3	
General: New option <code>nospecialtricks</code> for testing purposes. (RN) 1	
v1.0c	
<code>\LL@shipoutPage</code> : Fix <code>\protect</code> -ion problems. (RN/HjG) 12	
v1.0d	
<code>\LL@foldmark</code> : Invalid code for option “nofoldmark” changed. Thanks to	

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