

**NAME**

`ungetwc` - push back a wide character onto a FILE stream

**SYNOPSIS**

```
#include <wchar.h>
```

```
wint_t ungetwc(wint_t wc, FILE *stream);
```

**DESCRIPTION**

The `ungetwc()` function is the wide-character equivalent of the [ungetc\(3\)](#) function. It pushes back a wide character onto *stream* and returns it.

If *wc* is **WEOF**, it returns **WEOF**. If *wc* is an invalid wide character, it sets *errno* to **EILSEQ** and returns **WEOF**.

If *wc* is a valid wide character, it is pushed back onto the stream and thus becomes available for future wide-character read operations. The file-position indicator is decremented by one or more. The end-of-file indicator is cleared. The backing storage of the file is not affected.

Note: *wc* need not be the last wide-character read from the stream; it can be any other valid wide character.

If the implementation supports multiple push-back operations in a row, the pushed-back wide characters will be read in reverse order; however, only one level of push-back is guaranteed.

**RETURN VALUE**

The `ungetwc()` function returns *wc* when successful, or **WEOF** upon failure.

**ATTRIBUTES**

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
<code>ungetwc()</code>	Thread safety	MT-Safe

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, C99.

**NOTES**

The behavior of `ungetwc()` depends on the **LC\_CTYPE** category of the current locale.

**SEE ALSO**

[fgetwc\(3\)](#)

**COLOPHON**

This page is part of release 4.10 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.