

Ncurses Terminal Screen Control

Introduction

ncurses (new curses) is a free software emulation of curses in System V Rel 4.0 (and above). It uses terminfo format, supports pads, colors, multiple highlights, form characters and function key mapping. Because of the interactive nature of this library, it will be of little use for writing Web applications, but may be useful when writing scripts meant [using PHP from the command line](#).

Warning
This extension is <i>EXPERIMENTAL</i> . The behaviour of this extension?including the names of its functions and any other documentation surrounding this extension?may change without notice in a future release of PHP. This extension should be used at your own risk.

Ncurses is available for the following platforms:

- AIX
- BeOS
- Cygwin
- Digital Unix (aka OSF1)
- FreeBSD
- GNU/Linux
- HPUX
- IRIX
- OS/2
- SCO OpenServer
- Solaris
- SunOS

Note
This extension has been moved to the » PECL repository and is no longer bundled with PHP as of PHP 6.0.0

Installing/Configuring

Requirements

You need the ncurses libraries and headerfiles. Download the latest version from the » <ftp://ftp.gnu.org/pub/gnu/ncurses/> or from an other GNU-Mirror.

Installation

To get these functions to work, you have to compile the CGI or CLI version of PHP with `--with-ncurses[=DIR]`.

Runtime Configuration

This extension has no configuration directives defined in *php.ini*.

Resource Types

This extension defines window, panel and pad resources.

Predefined Constants

The constants below are defined by this extension, and will only be available when the extension has either been compiled into PHP or dynamically loaded at runtime.

Error codes

On error ncurses functions return NCURSES_ERR.

Colors

ncurses color constants

constant	meaning
NCURSES_COLOR_BLACK	no color (black)
NCURSES_COLOR_WHITE	white
NCURSES_COLOR_RED	red - supported when terminal is in color mode
NCURSES_COLOR_GREEN	green - supported when terminal is in color mode
NCURSES_COLOR_YELLOW	yellow - supported when terminal is in color mode
NCURSES_COLOR_BLUE	blue - supported when terminal is in color mode
NCURSES_COLOR_CYAN	cyan - supported when terminal is in color mode
NCURSES_COLOR_MAGENTA	magenta - supported when terminal is in color mode

Keys

ncurses key constants

constant	meaning
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NCURSES_KEY_F0 - NCURSES_KEY_F64	function keys F1 - F64
NCURSES_KEY_DOWN	down arrow
NCURSES_KEY_UP	up arrow
NCURSES_KEY_LEFT	left arrow
NCURSES_KEY_RIGHT	right arrow
NCURSES_KEY_HOME	home key (upward+left arrow)
NCURSES_KEY_BACKSPACE	backspace
NCURSES_KEY_DL	delete line
NCURSES_KEY_IL	insert line
NCURSES_KEY_DC	delete character
NCURSES_KEY_IC	insert char or enter insert mode
NCURSES_KEY_EIC	exit insert char mode
NCURSES_KEY_CLEAR	clear screen
NCURSES_KEY_EOS	clear to end of screen
NCURSES_KEY_EOL	clear to end of line
NCURSES_KEY_SF	scroll one line forward
NCURSES_KEY_SR	scroll one line backward
NCURSES_KEY_NPAGE	next page
NCURSES_KEY_PPAGE	previous page
NCURSES_KEY_STAB	set tab
NCURSES_KEY_CTAB	clear tab
NCURSES_KEY_CATAB	clear all tabs
NCURSES_KEY_SRESET	soft (partial) reset
NCURSES_KEY_RESET	reset or hard reset
NCURSES_KEY_PRINT	print
NCURSES_KEY_LL	lower left

NCURSES_KEY_A1	upper left of keypad
NCURSES_KEY_A3	upper right of keypad
NCURSES_KEY_B2	center of keypad
NCURSES_KEY_C1	lower left of keypad
NCURSES_KEY_C3	lower right of keypad
NCURSES_KEY_BTAB	back tab
NCURSES_KEY_BEG	beginning
NCURSES_KEY_CANCEL	cancel
NCURSES_KEY_CLOSE	close
NCURSES_KEY_COMMAND	cmd (command)
NCURSES_KEY_COPY	copy
NCURSES_KEY_CREATE	create
NCURSES_KEY_END	end
NCURSES_KEY_EXIT	exit
NCURSES_KEY_FIND	find
NCURSES_KEY_HELP	help
NCURSES_KEY_MARK	mark
NCURSES_KEY_MESSAGE	message
NCURSES_KEY_MOVE	move
NCURSES_KEY_NEXT	next
NCURSES_KEY_OPEN	open
NCURSES_KEY_OPTIONS	options
NCURSES_KEY_PREVIOUS	previous
NCURSES_KEY_REDO	redo
NCURSES_KEY_REFERENCE	ref (reference)
NCURSES_KEY_REFRESH	refresh

NCURSES_KEY_REPLACE	replace
NCURSES_KEY_RESTART	restart
NCURSES_KEY_RESUME	resume
NCURSES_KEY_SAVE	save
NCURSES_KEY_SBEG	shiftet beg (beginning)
NCURSES_KEY_SCANCEL	shifted cancel
NCURSES_KEY_SCOMMAND	shifted command
NCURSES_KEY_SCOPY	shifted copy
NCURSES_KEY_SCREATE	shifted create
NCURSES_KEY_SDC	shifted delete char
NCURSES_KEY_SDL	shifted delete line
NCURSES_KEY_SELECT	select
NCURSES_KEY_SEND	shifted end
NCURSES_KEY_SEOL	shifted end of line
NCURSES_KEY_SEXIT	shifted exit
NCURSES_KEY_SFIND	shifted find
NCURSES_KEY_SHELP	shifted help
NCURSES_KEY_SHOME	shifted home
NCURSES_KEY_SIC	shifted input
NCURSES_KEY_SLEFT	shifted left arrow
NCURSES_KEY_SMESSAGE	shifted message
NCURSES_KEY_SMOVE	shifted move
NCURSES_KEY_SNEXT	shifted next
NCURSES_KEY_SOPTIONS	shifted options
NCURSES_KEY_SPREVIOUS	shifted previous
NCURSES_KEY_SPRINT	shifted print

NCURSES_KEY_SREDO	shifted redo
NCURSES_KEY_SREPLACE	shifted replace
NCURSES_KEY_SRIGHT	shifted right arrow
NCURSES_KEY_SRSUME	shifted resume
NCURSES_KEY_SSAVE	shifted save
NCURSES_KEY_SSUSPEND	shifted suspend
NCURSES_KEY_UNDO	undo
NCURSES_KEY_MOUSE	mouse event has occurred
NCURSES_KEY_MAX	maximum key value

Mouse

mouse constants

Constant	meaning
NCURSES_BUTTON1_RELEASED - NCURSES_BUTTON4_RELEASED	button (1-4) released
NCURSES_BUTTON1_PRESSED - NCURSES_BUTTON4_PRESSED	button (1-4) pressed
NCURSES_BUTTON1_CLICKED - NCURSES_BUTTON4_CLICKED	button (1-4) clicked
NCURSES_BUTTON1_DOUBLE_CLICKED - NCURSES_BUTTON4_DOUBLE_CLICKED	button (1-4) double clicked
NCURSES_BUTTON1_TRIPLE_CLICKED - NCURSES_BUTTON4_TRIPLE_CLICKED	button (1-4) triple clicked
NCURSES_BUTTON_CTRL	ctrl pressed during click
NCURSES_BUTTON_SHIFT	shift pressed during click
NCURSES_BUTTON_ALT	alt pressed during click
NCURSES_ALL_MOUSE_EVENTS	report all mouse events

NCURSES_REPORT_MOUSE_POSITION	report mouse position
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Ncurses Functions

ncurses_addch

ncurses_addch -- Add character at current position and advance cursor

Description

int **ncurses_addch** (int \$ch)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

ch

ncurses_addchnstr

ncurses_addchnstr -- Add attributed string with specified length at current position

Description

int **ncurses_addchnstr** (string *\$s*, int *\$n*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

s

n

ncurses_addchstr

ncurses_addchstr -- Add attributed string at current position

Description

int **ncurses_addchstr** (string \$s)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

s

ncurses_addnstr

ncurses_addnstr -- Add string with specified length at current position

Description

int **ncurses_addnstr** (string *\$s*, int *\$n*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

s

n

ncurses_addstr

ncurses_addstr -- Output text at current position

Description

int **ncurses_addstr** (string *\$text*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

text

ncurses_assume_default_colors

ncurses_assume_default_colors -- Define default colors for color 0

Description

int **ncurses_assume_default_colors** (int *\$fg*, int *\$bg*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

fg

bg

ncurses_attroff

ncurses_attroff -- Turn off the given attributes

Description

int **ncurses_attroff** (int \$attributes)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

attributes

ncurses_attron

ncurses_attron -- Turn on the given attributes

Description

int **ncurses_attron** (int \$attributes)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

attributes

ncurses_attrset

ncurses_attrset -- Set given attributes

Description

int **ncurses_attrset** (int *\$attributes*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

attributes

ncurses_baudrate

ncurses_baudrate -- Returns baudrate of terminal

Description

int **ncurses_baudrate** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_beep

ncurses_beep -- Let the terminal beep

Description

int **ncurses_beep** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

[ncurses_beep\(\)](#) sends an audible alert (bell) and if its not possible flashes the screen.

See Also

- [ncurses_flash\(\)](#)

ncurses_bkgd

ncurses_bkgd -- Set background property for terminal screen

Description

int **ncurses_bkgd** (int *\$attrchar*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

attrchar

ncurses_bkgdset

ncurses_bkgdset -- Control screen background

Description

void ncurses_bkgdset (int *\$attrchar*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

attrchar

ncurses_border

ncurses_border -- Draw a border around the screen using attributed characters

Description

```
int ncurses_border ( int $left, int $right, int $top, int $bottom, int $tl_corner, int $tr_corner, int $bl_corner, int $br_corner )
```

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Draws the specified lines and corners around the main window.

Use [ncurses_wborder\(\)](#) for borders around subwindows!

Parameters

Every parameter expects 0 to draw a line or 1 to skip it.

left

right

top

bottom

tl_corner

Top left corner

tr_corner

Top right corner

bl_corner

Bottom left corner

br_corner

Bottom right corner

See Also

- [ncurses_wborder\(\)](#)

ncurses_bottom_panel

ncurses_bottom_panel -- Moves a visible panel to the bottom of the stack

Description

int **ncurses_bottom_panel** (resource `$panel`)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_can_change_color

ncurses_can_change_color -- Check if we can change terminals colors

Description

bool **ncurses_can_change_color** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Tells whether the terminal has color capabilities and whether the programmer can change the colors.

Return Values

Return **TRUE** if the terminal has color capabilities and you can change the colors, **FALSE** otherwise.

ncurses_cbreak

ncurses_cbreak -- Switch of input buffering

Description

bool **ncurses_cbreak** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Disables line buffering and character processing (interrupt and flow control characters are unaffected), making characters typed by the user immediately available to the program.

Return Values

Returns **TRUE** or NCURSES_ERR if any error occurred.

See Also

- [ncurses_nocbreak\(\)](#)

ncurses_clear

ncurses_clear -- Clear screen

Description

bool **ncurses_clear** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Clears the screen completely without setting blanks.

Note: [ncurses_clear\(\)](#) clears the screen without setting blanks, which have the current background rendition. To clear screen with blanks, use [ncurses_erase\(\)](#).

Return Values

Returns **TRUE** on success or **FALSE** on failure.

See Also

- [ncurses_erase\(\)](#)

ncurses_clr_tobot

ncurses_clr_tobot -- Clear screen from current position to bottom

Description

bool **ncurses_clr_tobot** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Erases all lines from cursor to end of screen and creates blanks. Blanks created by [ncurses_clr_tobot\(\)](#) have the current background rendition.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

See Also

- [ncurses_clear\(\)](#)
- [ncurses_clrtoeol\(\)](#)

ncurses_clrtoeol

ncurses_clrtoeol -- Clear screen from current position to end of line

Description

bool **ncurses_clrtoeol** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Erases the current line from cursor position to the end. Blanks created by [ncurses_clrtoeol\(\)](#) have the current background rendition.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

See Also

- [ncurses_clear\(\)](#)
- [ncurses_clrtobot\(\)](#)

ncurses_color_content

ncurses_color_content -- Gets the RGB value for color

Description

int **ncurses_color_content** (int `$color`, int `&$r`, int `&$g`, int `&$b`)

Warning
This function is currently not documented; only its argument list is available.

Parameters

color

r

g

b

ncurses_color_set

ncurses_color_set -- Set fore- and background color

Description

int **ncurses_color_set** (int *\$pair*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

pair

ncurses_curs_set

ncurses_curs_set -- Set cursor state

Description

int **ncurses_curs_set** (int *\$visibility*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

visibility

ncurses_def_prog_mode

ncurses_def_prog_mode -- Saves terminals (program) mode

Description

bool **ncurses_def_prog_mode** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Saves the current terminal modes for program (in curses) for use by [ncurses_reset_prog_mode\(\)](#).

Return Values

Returns **FALSE** on success, otherwise **TRUE**.

See Also

- [ncurses_reset_prog_mode\(\)](#)

ncurses_def_shell_mode

ncurses_def_shell_mode -- Saves terminals (shell) mode

Description

bool **ncurses_def_shell_mode** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Saves the current terminal modes for shell (not in curses) for use by [ncurses_reset_shell_mode\(\)](#).

Return Values

Returns **FALSE** on success, **TRUE** otherwise.

See Also

- [ncurses_reset_shell_mode\(\)](#)

ncurses_define_key

ncurses_define_key -- Define a keycode

Description

int **ncurses_define_key** (string \$definition, int \$keycode)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

definition

keycode

ncurses_del_panel

ncurses_del_panel -- Remove panel from the stack and delete it (but not the associated window)

Description

bool **ncurses_del_panel** (resource *\$panel*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_delay_output

ncurses_delay_output -- Delay output on terminal using padding characters

Description

int **ncurses_delay_output** (int *\$milliseconds*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

milliseconds

ncurses_delch

ncurses_delch -- Delete character at current position, move rest of line left

Description

bool **ncurses_delch** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Deletes the character under the cursor. All characters to the right of the cursor on the same line are moved to the left one position and the last character on the line is filled with a blank. The cursor position does not change.

Return Values

Returns **FALSE** on success, **TRUE** otherwise.

See Also

- [ncurses_deleteln\(\)](#)

ncurses_deleteln

ncurses_deleteln -- Delete line at current position, move rest of screen up

Description

bool **ncurses_deleteln** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Deletes the current line under cursorposition. All lines below the current line are moved up one line. The bottom line of window is cleared. Cursor position does not change.

Return Values

Returns **FALSE** on success, otherwise **TRUE**.

See Also

- [ncurses_delch\(\)](#)

ncurses_delwin

ncurses_delwin -- Delete a ncurses window

Description

bool **ncurses_delwin** (resource \$window)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_doupdate

ncurses_doupdate -- Write all prepared refreshes to terminal

Description

bool **ncurses_doupdate** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Compares the virtual screen to the physical screen and updates the physical screen. This way is more effective than using multiple refresh calls.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

ncurses_echo

ncurses_echo -- Activate keyboard input echo

Description

bool **ncurses_echo** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Enables echo mode. All characters typed by user are echoed by [ncurses_getch\(\)](#).

Return Values

Returns **FALSE** on success, **TRUE** if any error occurred.

See Also

- [ncurses_noecho\(\)](#) to disable echo mode

ncurses_echochar

ncurses_echochar -- Single character output including refresh

Description

int **ncurses_echochar** (int `$character`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

character

ncurses_end

ncurses_end -- Stop using ncurses, clean up the screen

Description

int **ncurses_end** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_erase

ncurses_erase -- Erase terminal screen

Description

bool **ncurses_erase** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Fills the terminal screen with blanks.

Created blanks have the current background rendition, set by [ncurses_bkgd\(\)](#).

Return Values

Returns **TRUE** on success or **FALSE** on failure.

See Also

- [ncurses_bkgd\(\)](#)
- [ncurses_clear\(\)](#)

ncurses_erasechar

ncurses_erasechar -- Returns current erase character

Description

string **ncurses_erasechar** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns the current erase character.

Return Values

The current erase char, as a string.

See Also

- [ncurses_killchar\(\)](#)

ncurses_filter

ncurses_filter -- Set LINES for inisr() and newterm() to 1

Description

void ncurses_filter (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_flash

ncurses_flash -- Flash terminal screen (visual bell)

Description

bool **ncurses_flash** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Flashes the screen, and if its not possible, sends an audible alert (bell).

Return Values

Returns **FALSE** on success, otherwise **TRUE**.

See Also

- [ncurses_beep\(\)](#)

ncurses_flushinp

ncurses_flushinp -- Flush keyboard input buffer

Description

bool **ncurses_flushinp** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Throws away any typeahead that has been typed and has not yet been read by your program.

Return Values

Returns **FALSE** on success, otherwise **TRUE**.

ncurses_getch

ncurses_getch -- Read a character from keyboard

Description

int **ncurses_getch** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_getmaxyx

ncurses_getmaxyx -- Returns the size of a window

Description

void ncurses_getmaxyx (resource \$window, int &\$y, int &\$x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Gets the horizontal and vertical size of the given *window* into the given variables.

Variables must be passed as reference, so they are updated when the user changes the terminal size.

Parameters

window

The measured window

x

This will be set to the window width

y

This will be set to the window height

Return Values

No value is returned.

ncurses_getmouse

ncurses_getmouse -- Reads mouse event

Description

bool **ncurses_getmouse** (array &\$mevent)

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

[ncurses_getmouse\(\)](#) reads mouse event out of queue.

Parameters

mevent

Event options will be delivered in this parameter which has to be an array, passed by reference (see example below). On success an associative array with following keys will be delivered:

- "id" : Id to distinguish multiple devices
- "x" : screen relative x-position in character cells
- "y" : screen relative y-position in character cells
- "z" : currently not supported
- "mmask" : Mouse action

Return Values

Returns **FALSE** if a mouse event is actually visible in the given window, otherwise returns **TRUE**.

Examples

Example #1 - [ncurses_getmouse\(\)](#) example

```
<?php
```

```
switch (ncurses_getch()){
  case NCURSES_KEY_MOUSE:
    if (!ncurses_getmouse(&$mevent)){
      if ($mevent["mmask"] & NCURSES_MOUSE_BUTTON1_PRESSED){
        $mouse_x = $mevent["x"]; // Save mouse position
        $mouse_y = $mevent["y"];
      }
    }
    break;

  default:
    /* .... */
}
?>
```

See Also

- [ncurses_ungetmouse\(\)](#)

ncurses_getyx

ncurses_getyx -- Returns the current cursor position for a window

Description

void ncurses_getyx (resource \$window, int &\$y, int &\$x)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

y

x

ncurses_halfdelay

ncurses_halfdelay -- Put terminal into halfdelay mode

Description

int **ncurses_halfdelay** (int `$tenth`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

tenth

ncurses_has_colors

ncurses_has_colors -- Check if terminal has colors

Description

bool **ncurses_has_colors** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Checks whether the terminal has color capacities.

Return Values

Return **TRUE** if the terminal has color capacities, **FALSE** otherwise.

See Also

- [ncurses_can_change_color\(\)](#)

ncurses_has_ic

ncurses_has_ic -- Check for insert- and delete-capabilities

Description

bool **ncurses_has_ic** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Checks whether the terminal has insert and delete capabilities.

Return Values

Returns **TRUE** if the terminal has insert/delete-capabilities, **FALSE** otherwise.

See Also

- [ncurses_has_il\(\)](#)

ncurses_has_il

ncurses_has_il -- Check for line insert- and delete-capabilities

Description

bool **ncurses_has_il** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Checks whether the terminal has insert- and delete-line-capabilities.

Return Values

Returns **TRUE** if the terminal has insert/delete-line capabilities, **FALSE** otherwise.

See Also

- [ncurses_has_ic\(\)](#)

ncurses_has_key

ncurses_has_key -- Check for presence of a function key on terminal keyboard

Description

int **ncurses_has_key** (int \$keycode)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

keycode

ncurses_hide_panel

ncurses_hide_panel -- Remove panel from the stack, making it invisible

Description

int **ncurses_hide_panel** (resource `$panel`)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_hline

ncurses_hline -- Draw a horizontal line at current position using an attributed character and max. n characters long

Description

int **ncurses_hline** (int \$charattr, int \$n)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

charattr

n

ncurses_inch

ncurses_inch -- Get character and attribute at current position

Description

string **ncurses_inch** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns the character from the current position.

Return Values

Returns the character, as a string.

ncurses_init_color

ncurses_init_color -- Set new RGB value for color

Description

int **ncurses_init_color** (int \$color, int \$r, int \$g, int \$b)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

color

r

g

b

ncurses_init_pair

ncurses_init_pair -- Allocate a color pair

Description

int **ncurses_init_pair** (int \$pair, int \$fg, int \$bg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

pair

fg

bg

ncurses_init

ncurses_init -- Initialize ncurses

Description

void ncurses_init (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Initializes the ncurses interface and must be used before any other ncurses function call.

Return Values

No value is returned.

ncurses_insch

ncurses_insch -- Insert character moving rest of line including character at current position

Description

int **ncurses_insch** (int *\$character*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

character

ncurses_insdelln

ncurses_insdelln -- Insert lines before current line scrolling down (negative numbers delete and scroll up)

Description

int **ncurses_insdelln** (int `$count`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

count

ncurses_insertln

ncurses_insertln -- Insert a line, move rest of screen down

Description

int **ncurses_insertln** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Inserts a new line above the current line. The bottom line will be lost.

ncurses_insstr

ncurses_insstr -- Insert string at current position, moving rest of line right

Description

int **ncurses_insstr** (string *\$text*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

text

ncurses_instr

ncurses_instr -- Reads string from terminal screen

Description

int **ncurses_instr** (string &\$buffer)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Reads a string from the terminal screen and returns the number of characters read from the current character position until end of line.

Parameters

buffer

The characters. Attributes will be stripped.

Return Values

Returns the number of characters.

ncurses_isendwin

ncurses_isendwin -- Ncurses is in endwin mode, normal screen output may be performed

Description

bool **ncurses_isendwin** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Checks if ncurses is in endwin mode.

Return Values

Returns **TRUE**, if **ncurses_endwin()** has been called without any subsequent calls to [ncurses_wrefresh\(\)](#), **FALSE** otherwise.

See Also

- **ncurses_endwin()**
- [ncurses_wrefresh\(\)](#)

ncurses_keyok

ncurses_keyok -- Enable or disable a keycode

Description

int **ncurses_keyok** (int \$keycode, bool \$enable)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

keycode

enable

ncurses_keypad

ncurses_keypad -- Turns keypad on or off

Description

int **ncurses_keypad** (resource *\$window*, bool *\$bf*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

bf

ncurses_killchar

ncurses_killchar -- Returns current line kill character

Description

string **ncurses_killchar** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns the current line kill character.

Return Values

Returns the kill character, as a string.

See Also

- [ncurses_erasechar\(\)](#)

ncurses_longname

ncurses_longname -- Returns terminals description

Description

string **ncurses_longname** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns a verbose description of the terminal.

Return Values

Returns the description, as a string truncated to 128 characters. On errors, returns **NULL**.

See Also

- [ncurses_termname\(\)](#)

ncurses_meta

ncurses_meta -- Enables/Disable 8-bit meta key information

Description

int **ncurses_meta** (resource *\$window*, bool *\$8bit*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

8bit

ncurses_mouse_trafo

ncurses_mouse_trafo -- Transforms coordinates

Description

bool **ncurses_mouse_trafo** (int &\$y, int &\$x, bool \$toscreen)

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

toscreen

ncurses_mouseinterval

ncurses_mouseinterval -- Set timeout for mouse button clicks

Description

int **ncurses_mouseinterval** (int `$milliseconds`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

milliseconds

ncurses_mousemask

ncurses_mousemask -- Sets mouse options

Description

int **ncurses_mousemask** (int \$newmask, int &\$oldmask)

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Sets mouse events to be reported. By default no mouse events will be reported.

Mouse events are represented by NCURSES_KEY_MOUSE in the [ncurses_wgetch\(\)](#) input stream. To read the event data and pop the event of queue, call [ncurses_getmouse\(\)](#).

Parameters

newmask

Mouse mask options can be set with the following predefined constants:

- NCURSES_BUTTON1_PRESSED
- NCURSES_BUTTON1_RELEASED
- NCURSES_BUTTON1_CLICKED
- NCURSES_BUTTON1_DOUBLE_CLICKED
- NCURSES_BUTTON1_TRIPLE_CLICKED
- NCURSES_BUTTON2_PRESSED
- NCURSES_BUTTON2_RELEASED
- NCURSES_BUTTON2_CLICKED
- NCURSES_BUTTON2_DOUBLE_CLICKED
- NCURSES_BUTTON2_TRIPLE_CLICKED
- NCURSES_BUTTON3_PRESSED
- NCURSES_BUTTON3_RELEASED
- NCURSES_BUTTON3_CLICKED
- NCURSES_BUTTON3_DOUBLE_CLICKED

- NCURSES_BUTTON3_TRIPLE_CLICKED
- NCURSES_BUTTON4_PRESSED
- NCURSES_BUTTON4_RELEASED
- NCURSES_BUTTON4_CLICKED
- NCURSES_BUTTON4_DOUBLE_CLICKED
- NCURSES_BUTTON4_TRIPLE_CLICKED
- NCURSES_BUTTON_SHIFT>
- NCURSES_BUTTON_CTRL
- NCURSES_BUTTON_ALT
- NCURSES_ALL_MOUSE_EVENTS
- NCURSES_REPORT_MOUSE_POSITION

As a side effect, setting a zero mousemask in *newmask* turns off the mouse pointer. Setting a non zero value turns mouse pointer on.

oldmask

This will be set to the previous value of the mouse event mask.

Return Values

Returns a mask to indicated which of the in parameter *newmask* specified mouse events can be reported. On complete failure, it returns 0.

Examples

Example #2 - [ncurses_mousemask\(\)](#) example

```
<?php
$newmask = NCURSES_BUTTON1_CLICKED + NCURSES_BUTTON1_RELEASED;
$mask = ncurses_mousemask($newmask, &$oldmask);
if ($mask & $newmask){
    printf("All specified mouse options will be supported\n");
}
?>
```

See Also

- [ncurses_getmouse\(\)](#)
- [ncurses_ungetmouse\(\)](#)
- [ncurses_getch\(\)](#)

ncurses_move_panel

ncurses_move_panel -- Moves a panel so that its upper-left corner is at [startx, starty]

Description

int **ncurses_move_panel** (resource \$panel, int \$startx, int \$starty)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

startx

starty

ncurses_move

ncurses_move -- Move output position

Description

int **ncurses_move** (int *\$y*, int *\$x*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

ncurses_mvaddch

ncurses_mvaddch -- Move current position and add character

Description

int **ncurses_mvaddch** (int *\$y*, int *\$x*, int *\$c*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

c

ncurses_mvaddchnstr

ncurses_mvaddchnstr -- Move position and add attributed string with specified length

Description

int **ncurses_mvaddchnstr** (int *\$y*, int *\$x*, string *\$s*, int *\$n*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

s

n

ncurses_mvaddchstr

ncurses_mvaddchstr -- Move position and add attributed string

Description

int **ncurses_mvaddchstr** (int *\$y*, int *\$x*, string *\$s*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

s

ncurses_mvaddnstr

ncurses_mvaddnstr -- Move position and add string with specified length

Description

int **ncurses_mvaddnstr** (int *\$y*, int *\$x*, string *\$s*, int *\$n*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

s

n

ncurses_mvaddstr

ncurses_mvaddstr -- Move position and add string

Description

int **ncurses_mvaddstr** (int *\$y*, int *\$x*, string *\$s*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

s

ncurses_mvcur

ncurses_mvcur -- Move cursor immediately

Description

int **ncurses_mvcur** (int \$old_y, int \$old_x, int \$new_y, int \$new_x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

old_y

old_x

new_y

new_x

ncurses_mvdelch

ncurses_mvdelch -- Move position and delete character, shift rest of line left

Description

int **ncurses_mvdelch** (int \$y, int \$x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

ncurses_mvgetch

ncurses_mvgetch -- Move position and get character at new position

Description

int **ncurses_mvgetch** (int \$y, int \$x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

ncurses_mvhline

ncurses_mvhline -- Set new position and draw a horizontal line using an attributed character and max. n characters long

Description

int **ncurses_mvhline** (int \$y, int \$x, int \$attrchar, int \$n)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

attrchar

n

ncurses_mvinch

ncurses_mvinch -- Move position and get attributed character at new position

Description

int **ncurses_mvinch** (int \$y, int \$x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

ncurses_mvline

ncurses_mvline -- Set new position and draw a vertical line using an attributed character and max. n characters long

Description

int **ncurses_mvline** (int \$y, int \$x, int \$attrchar, int \$n)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

y

x

attrchar

n

ncurses_mvwaddstr

ncurses_mvwaddstr -- Add string at new position in window

Description

int **ncurses_mvwaddstr** (resource \$window, int \$y, int \$x, string \$text)

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning

This function is currently not documented; only its argument list is available.

Parameters

window

y

x

text

ncurses_napms

ncurses_napms -- Sleep

Description

int **ncurses_napms** (int *\$milliseconds*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

milliseconds

ncurses_new_panel

ncurses_new_panel -- Create a new panel and associate it with window

Description

resource **ncurses_new_panel** (resource \$window)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_newpad

ncurses_newpad -- Creates a new pad (window)

Description

resource **ncurses_newpad** (int `$rows`, int `$cols`)

Warning
This function is currently not documented; only its argument list is available.

Parameters

rows

cols

ncurses_newwin

ncurses_newwin -- Create a new window

Description

resource **ncurses_newwin** (int \$rows, int \$cols, int \$y, int \$x)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Creates a new window to draw elements in.

When creating additional windows, remember to use [ncurses_getmaxyx\(\)](#) to check for available space, as terminal size is individual and may vary.

Parameters

rows

Number of rows

cols

Number of columns

y

y-ccordinate of the origin

x

x-ccordinate of the origin

Return Values

Returns a resource ID for the new window.

ncurses_nl

ncurses_nl -- Translate newline and carriage return / line feed

Description

bool **ncurses_nl** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_nocbreak

ncurses_nocbreak -- Switch terminal to cooked mode

Description

bool **ncurses_nocbreak** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns terminal to normal (cooked) mode. Initially the terminal may or may not in cbreak mode as the mode is inherited. Therefore a program should call [ncurses_cbreak\(\)](#) and [ncurses_nocbreak\(\)](#) explicitly.

Return Values

Returns **TRUE** if any error occurred, otherwise **FALSE**.

See Also

- [ncurses_cbreak\(\)](#)

ncurses_noecho

ncurses_noecho -- Switch off keyboard input echo

Description

bool **ncurses_noecho** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Prevents echoing of user typed characters.

Return Values

Returns **TRUE** if any error occurred, **FALSE** otherwise.

See Also

- [ncurses_echo\(\)](#)
- [ncurses_getch\(\)](#)

ncurses_nonl

ncurses_nonl -- Do not translate newline and carriage return / line feed

Description

bool **ncurses_nonl** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_noqiflush

ncurses_noqiflush -- Do not flush on signal characters

Description

void ncurses_noqiflush (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_noraw

ncurses_noraw -- Switch terminal out of raw mode

Description

bool **ncurses_noraw** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Switches the terminal out of raw mode. Raw mode is similar to cbreak mode, in that characters typed are immediately passed through to the user program. The differences that are that in raw mode, the interrupt, quit, suspend and flow control characters are all passed through uninterpreted, instead of generating a signal.

Return Values

Returns **TRUE** if any error occurred, otherwise **FALSE**.

See Also

- [ncurses_raw\(\)](#)
- [ncurses_cbreak\(\)](#)
- [ncurses_nocbreak\(\)](#)

ncurses_pair_content

ncurses_pair_content -- Gets the RGB value for color

Description

int **ncurses_pair_content** (int *\$pair*, int *&\$f*, int *&\$b*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

pair

f

b

ncurses_panel_above

ncurses_panel_above -- Returns the panel above panel

Description

resource **ncurses_panel_above** (resource \$panel)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

Return Values

If panel is null, returns the bottom panel in the stack.

ncurses_panel_below

ncurses_panel_below -- Returns the panel below panel

Description

resource **ncurses_panel_below** (resource \$panel)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

Parameters

If panel is null, returns the top panel in the stack.

ncurses_panel_window

ncurses_panel_window -- Returns the window associated with panel

Description

resource **ncurses_panel_window** (resource \$panel)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_pnoutrefresh

ncurses_pnoutrefresh -- Copies a region from a pad into the virtual screen

Description

int **ncurses_pnoutrefresh** (resource \$pad, int \$pminrow, int \$pmincol, int \$sminrow, int \$smincol, int \$smaxrow, int \$smaxcol)

Warning
This function is currently not documented; only its argument list is available.

Parameters

pad

pminrow

pmincol

sminrow

smincol

smaxrow

smaxcol

ncurses_prefresh

ncurses_prefresh -- Copies a region from a pad into the virtual screen

Description

```
int ncurses_prefresh ( resource $pad, int $pminrow, int $pmincol, int $sminrow, int $smincol, int $smaxrow, int $smaxcol )
```

Warning
This function is currently not documented; only its argument list is available.

Parameters

pad

pminrow

pmincol

sminrow

smincol

smaxrow

smaxcol

ncurses_putp

ncurses_putp -- Apply padding information to the string and output it

Description

int **ncurses_putp** (string `$text`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

text

ncurses_qiflush

ncurses_qiflush -- Flush on signal characters

Description

`void ncurses_qiflush (void)`

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_raw

ncurses_raw -- Switch terminal into raw mode

Description

bool **ncurses_raw** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Places the terminal in raw mode. Raw mode is similar to cbreak mode, in that characters typed are immediately passed through to the user program. The differences that are that in raw mode, the interrupt, quit, suspend and flow control characters are all passed through uninterpreted, instead of generating a signal.

Return Values

Returns **TRUE** if any error occurred, otherwise **FALSE**.

See Also

- [ncurses_noraw\(\)](#)
- [ncurses_cbreak\(\)](#)
- [ncurses_nocbreak\(\)](#)

ncurses_refresh

ncurses_refresh -- Refresh screen

Description

int **ncurses_refresh** (int *\$ch*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

ch

ncurses_replace_panel

ncurses_replace_panel -- Replaces the window associated with panel

Description

int **ncurses_replace_panel** (resource *\$panel*, resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

window

ncurses_reset_prog_mode

ncurses_reset_prog_mode -- Resets the prog mode saved by def_prog_mode

Description

int **ncurses_reset_prog_mode** (void)

Warning
This function is currently not documented; only its argument list is available.

ncurses_reset_shell_mode

ncurses_reset_shell_mode -- Resets the shell mode saved by def_shell_mode

Description

int **ncurses_reset_shell_mode** (void)

Warning
This function is currently not documented; only its argument list is available.

ncurses_resetty

ncurses_resetty -- Restores saved terminal state

Description

bool **ncurses_resetty** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Restores the terminal state, which was previously saved by calling [ncurses_savetty\(\)](#).

Return Values

Always returns **FALSE**.

See Also

- [ncurses_savetty\(\)](#)

ncurses_savetty

ncurses_savetty -- Saves terminal state

Description

bool **ncurses_savetty** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Saves the current terminal state. The saved terminal state can be restored with [ncurses_resetty\(\)](#).

Return Values

Always returns **FALSE**.

See Also

- [ncurses_resetty\(\)](#)

ncurses_scr_dump

ncurses_scr_dump -- Dump screen content to file

Description

int **ncurses_scr_dump** (string *\$filename*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

filename

ncurses_scr_init

ncurses_scr_init -- Initialize screen from file dump

Description

int **ncurses_scr_init** (string *\$filename*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

filename

ncurses_scr_restore

ncurses_scr_restore -- Restore screen from file dump

Description

int **ncurses_scr_restore** (string `$filename`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

filename

ncurses_scr_set

ncurses_scr_set -- Inherit screen from file dump

Description

int **ncurses_scr_set** (string \$filename)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

filename

ncurses_scrl

ncurses_scrl -- Scroll window content up or down without changing current position

Description

int **ncurses_scrl** (int `$count`)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

count

ncurses_show_panel

ncurses_show_panel -- Places an invisible panel on top of the stack, making it visible

Description

int **ncurses_show_panel** (resource `$panel`)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_slk_attr

ncurses_slk_attr -- Returns current soft label key attribute

Description

int **ncurses_slk_attr** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns the current soft label key attribute.

Return Values

The attribute, as an integer.

ncurses_slk_attroff

ncurses_slk_attroff -- Turn off the given attributes for soft function-key labels

Description

int **ncurses_slk_attroff** (int \$intarg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

intarg

ncurses_slk_attron

ncurses_slk_attron -- Turn on the given attributes for soft function-key labels

Description

int **ncurses_slk_attron** (int \$intarg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

intarg

ncurses_slk_attrset

ncurses_slk_attrset -- Set given attributes for soft function-key labels

Description

int **ncurses_slk_attrset** (int \$intarg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

intarg

ncurses_slk_clear

ncurses_slk_clear -- Clears soft labels from screen

Description

bool **ncurses_slk_clear** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

The function [ncurses_slk_clear\(\)](#) clears soft label keys from screen.

Return Values

Returns **TRUE** on errors, **FALSE** otherwise.

ncurses_slk_color

ncurses_slk_color -- Sets color for soft label keys

Description

int **ncurses_slk_color** (int \$intarg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

intarg

ncurses_slk_init

ncurses_slk_init -- Initializes soft label key functions

Description

bool **ncurses_slk_init** (int *\$format*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Initializes soft label key functions

This function must be called before **ncurses_initscr()** or **ncurses_newterm()** is called.

Parameters

format

If **ncurses_initscr()** eventually uses a line from stdscr to emulate the soft labels, then this parameter determines how the labels are arranged of the screen. 0 indicates a 3-2-3 arrangement of the labels, 1 indicates a 4-4 arrangement and 2 indicates the PC like 4-4-4 mode, but in addition an index line will be created.

Return Values

Returns **TRUE** on success or **FALSE** on failure.

ncurses_slk_noutrefresh

ncurses_slk_noutrefresh -- Copies soft label keys to virtual screen

Description

bool **ncurses_slk_noutrefresh** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_slk_refresh

ncurses_slk_refresh -- Copies soft label keys to screen

Description

int **ncurses_slk_refresh** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Copies soft label keys from virtual screen to physical screen.

ncurses_slk_restore

ncurses_slk_restore -- Restores soft label keys

Description

int **ncurses_slk_restore** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Restores the soft label keys after [ncurses_slk_clear\(\)](#) has been performed.

ncurses_slk_set

ncurses_slk_set -- Sets function key labels

Description

bool **ncurses_slk_set** (int *\$labelnr*, string *\$label*, int *\$format*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

labelnr

label

format

ncurses_slk_touch

ncurses_slk_touch -- Forces output when ncurses_slk_noutrefresh is performed

Description

int **ncurses_slk_touch** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Forces all the soft labels to be output the next time a [ncurses_slk_noutrefresh\(\)](#) is performed.

ncurses_standend

ncurses_standend -- Stop using 'standout' attribute

Description

int **ncurses_standend** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_standout

ncurses_standout -- Start using 'standout' attribute

Description

int **ncurses_standout** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_start_color

ncurses_start_color -- Start using colors

Description

int **ncurses_start_color** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_termattrs

ncurses_termattrs -- Returns a logical OR of all attribute flags supported by terminal

Description

bool **ncurses_termattrs** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_termname

ncurses_termname -- Returns terminals (short)-name

Description

string **ncurses_termname** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Returns terminals shortname.

Return Values

Returns the shortname of the terminal, truncated to 14 characters. On errors, returns **NULL**.

See Also

- [ncurses_longname\(\)](#)

ncurses_timeout

ncurses_timeout -- Set timeout for special key sequences

Description

void ncurses_timeout (int \$millisec)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

millisec

ncurses_top_panel

ncurses_top_panel -- Moves a visible panel to the top of the stack

Description

int **ncurses_top_panel** (resource *\$panel*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

panel

ncurses_typeahead

ncurses_typeahead -- Specify different filedescriptor for typeahead checking

Description

int **ncurses_typeahead** (int *\$fd*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

fd

ncurses_ungetch

ncurses_ungetch -- Put a character back into the input stream

Description

int **ncurses_ungetch** (int \$keycode)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

keycode

ncurses_ungetmouse

ncurses_ungetmouse -- Pushes mouse event to queue

Description

bool **ncurses_ungetmouse** (array \$mevent)

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Pushes a KEY_MOUSE event onto the unput queue and associates with this event the given state data and screen-relative character cell coordinates, specified in *mevent*.

Parameters

mevent

An associative array specifying the event options:

- "id" : Id to distinguish multiple devices
- "x" : screen relative x-position in character cells
- "y" : screen relative y-position in character cells
- "z" : currently not supported
- "mmask" : Mouse action

Return Values

Returns **FALSE** on success, **TRUE** otherwise.

See Also

- [ncurses_getmouse\(\)](#)

ncurses_update_panels

ncurses_update_panels -- Refreshes the virtual screen to reflect the relations between panels in the stack

Description

`void ncurses_update_panels (void)`

Warning
This function is currently not documented; only its argument list is available.

ncurses_use_default_colors

ncurses_use_default_colors -- Assign terminal default colors to color id -1

Description

bool **ncurses_use_default_colors** (void)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

ncurses_use_env

ncurses_use_env -- Control use of environment information about terminal size

Description

void ncurses_use_env (bool *\$flag*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

flag

ncurses_use_extended_names

ncurses_use_extended_names -- Control use of extended names in terminfo descriptions

Description

int **ncurses_use_extended_names** (bool *\$flag*)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

flag

ncurses_vidattr

ncurses_vidattr -- Display the string on the terminal in the video attribute mode

Description

int **ncurses_vidattr** (int \$intarg)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

intarg

ncurses_vline

ncurses_vline -- Draw a vertical line at current position using an attributed character and max. n characters long

Description

int **ncurses_vline** (int \$charattr, int \$n)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

charattr

n

ncurses_waddch

ncurses_waddch -- Adds character at current position in a window and advance cursor

Description

int **ncurses_waddch** (resource *\$window*, int *\$ch*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ch

ncurses_waddstr

ncurses_waddstr -- Outputs text at current postion in window

Description

int **ncurses_waddstr** (resource *\$window*, string *\$str* [, int *\$n*])

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

str

n

ncurses_wattroff

ncurses_wattroff -- Turns off attributes for a window

Description

int **ncurses_wattroff** (resource *\$window*, int *\$attrs*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

attrs

ncurses_wattron

ncurses_wattron -- Turns on attributes for a window

Description

int **ncurses_wattron** (resource *\$window*, int *\$attrs*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

attrs

ncurses_wattrset

ncurses_wattrset -- Set the attributes for a window

Description

int **ncurses_wattrset** (resource *\$window*, int *\$attrs*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

attrs

ncurses_wborder

ncurses_wborder -- Draws a border around the window using attributed characters

Description

int **ncurses_wborder** (resource \$window, int \$left, int \$right, int \$top, int \$bottom, int \$tl_corner, int \$tr_corner, int \$bl_corner, int \$br_corner)

Warning

This function is *EXPERIMENTAL*. The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Draws the specified lines and corners around the passed *window*.

Use [ncurses_border\(\)](#) for borders around the main window.

Parameters

Each parameter expects 0 to draw a line and 1 to skip it.

window

The window on which we operate

left

right

top

bottom

tl_corner

Top left corner

tr_corner

Top right corner

bl_corner

Bottom left corner

br_corner

Bottom right corner

See Also

- [ncurses_border\(\)](#)

ncurses_wclear

ncurses_wclear -- Clears window

Description

int **ncurses_wclear** (resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wcolor_set

ncurses_wcolor_set -- Sets windows color pairings

Description

int **ncurses_wcolor_set** (resource *\$window*, int *\$color_pair*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

color_pair

ncurses_werase

ncurses_werase -- Erase window contents

Description

int **ncurses_werase** (resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wgetch

ncurses_wgetch -- Reads a character from keyboard (window)

Description

int **ncurses_wgetch** (resource \$window)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wline

ncurses_wline -- Draws a horizontal line in a window at current position using an attributed character and max. n characters long

Description

int **ncurses_wline** (resource \$window, int \$charattr, int \$n)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

charattr

n

ncurses_wmouse_trafo

ncurses_wmouse_trafo -- Transforms window/stdscr coordinates

Description

bool **ncurses_wmouse_trafo** (resource \$window, int &\$y, int &\$x, bool \$toscreen)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

x

y

toscreen

ncurses_wmove

ncurses_wmove -- Moves windows output position

Description

int **ncurses_wmove** (resource *\$window*, int *\$y*, int *\$x*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

y

x

ncurses_wnoutrefresh

ncurses_wnoutrefresh -- Copies window to virtual screen

Description

int **ncurses_wnoutrefresh** (resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wrefresh

ncurses_wrefresh -- Refresh window on terminal screen

Description

int **ncurses_wrefresh** (resource \$window)

Warning
This function is <i>EXPERIMENTAL</i> . The behaviour of this function, its name, and surrounding documentation may change without notice in a future release of PHP. This function should be used at your own risk.

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wstandend

ncurses_wstandend -- End standout mode for a window

Description

int **ncurses_wstandend** (resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wstandout

ncurses_wstandout -- Enter standout mode for a window

Description

int **ncurses_wstandout** (resource *\$window*)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

ncurses_wvline

ncurses_wvline -- Draws a vertical line in a window at current position using an attributed character and max. n characters long

Description

int **ncurses_wvline** (resource \$window, int \$charattr, int \$n)

Warning
This function is currently not documented; only its argument list is available.

Parameters

window

charattr

n