

**NAME**

xcb\_set\_input\_focus - Sets input focus

**SYNOPSIS**

```
#include <xcb/xproto.h>
```

**Request function**

```
xcb_void_cookie_t xcb_set_input_focus(xcb_connection_t *conn, uint8_t revert_to,
    xcb_window_t focus, xcb_timestamp_t time);
```

**REQUEST ARGUMENTS**

*conn*            The XCB connection to X11.

*revert\_to*        One of the following values:

*XCB\_INPUT\_FOCUS\_NONE*

The focus reverts to *XCB\_NONE*, so no window will have the input focus.

*XCB\_INPUT\_FOCUS\_POINTER\_ROOT*

The focus reverts to *XCB\_POINTER\_ROOT* respectively. When the focus reverts, FocusIn and FocusOut events are generated, but the last-focus-change time is not changed.

*XCB\_INPUT\_FOCUS\_PARENT*

The focus reverts to the parent (or closest viewable ancestor) and the new revert\_to value is *XCB\_INPUT\_FOCUS\_NONE*.

*XCB\_INPUT\_FOCUS\_FOLLOW\_KEYBOARD*

NOT YET DOCUMENTED. Only relevant for the xinput extension.

Specifies what happens when the *focus* window becomes unviewable (if *focus* is neither *XCB\_NONE* nor *XCB\_POINTER\_ROOT*).

*focus*            The window to focus. All keyboard events will be reported to this window. The window must be viewable (TODO), or a *xcb\_match\_error\_t* occurs (TODO).

If *focus* is *XCB\_NONE* (TODO), all keyboard events are discarded until a new focus window is set.

If *focus* is *XCB\_POINTER\_ROOT* (TODO), focus is on the root window of the screen on which the pointer is on currently.

*time* Timestamp to avoid race conditions when running X over the network.

The special value *XCB\_CURRENT\_TIME* will be replaced with the current server time.

## DESCRIPTION

Changes the input focus and the last-focus-change time. If the specified *time* is earlier than the current last-focus-change time, the request is ignored (to avoid race conditions when running X over the network).

A FocusIn and FocusOut event is generated when focus is changed.

## RETURN VALUE

Returns an *xcb\_void\_cookie\_t*. Errors (if any) have to be handled in the event loop.

If you want to handle errors directly with *xcb\_request\_check* instead, use *xcb\_set\_input\_focus\_checked*. See **xcb-requests(3)** for details.

## ERRORS

*xcb\_match\_error\_t*

The specified *focus* window is not viewable.

*xcb\_value\_error\_t*

TODO: Reasons?

*xcb\_window\_error\_t*

The specified *focus* window does not exist.

## SEE ALSO

**xcb-requests(3)**, **xcb\_focus\_in\_event\_t(3)**, **xcb\_focus\_out\_event\_t(3)**

## AUTHOR

Generated from xproto.xml. Contact [xcb@lists.freedesktop.org](mailto:xcb@lists.freedesktop.org) for corrections and improvements.