

NAME

XtSetKeyboardFocus - focus events on a child widget

SYNTAX

```
#include <X11/Intrinsic.h>
```

```
void XtSetKeyboardFocus(Widget subtree, Widget descendant);
```

ARGUMENTS

subtree Specifies either the widget in the subtree structure which is to receive the keyboard event, or **None**. Note that it is not an error to specify **None** when no input focus was previously set.

descendant Specifies the widget for which the keyboard focus is to be set.

DESCRIPTION

If a future **KeyPress** or **KeyRelease** event occurs within the specified subtree, **XtSetKeyboardFocus** causes **XtDispatchEvent** to remap and send the event to the specified descendant widget.

When there is no modal cascade, keyboard events can occur within a widget **W** in one of three ways:

- ⊕ **W** has the X input focus.
- ⊕ **W** has the keyboard focus of one of its ancestors, and the event occurs within the ancestor or one of the ancestor's descendants.
- ⊕ No ancestor of **W** has a descendant within the keyboard focus, and the pointer is within **W**.

When there is a modal cascade, a widget **W** receives keyboard events if an ancestor of **W** is in the active subset of the modal cascade and one or more of the previous conditions is **True**.

When subtree or one of its descendants acquires the X input focus or the pointer moves into the subtree such that keyboard events would now be delivered to subtree, a **FocusIn** event is generated for the descendant if **FocusNotify** events have been selected by the descendant. Similarly, when **W** loses the X input focus or the keyboard focus for one of its ancestors, a **FocusOut** event is generated for descendant if **FocusNotify** events have been selected by the descendant.

SEE ALSO

XtCallAcceptFocus(3)

X Toolkit Intrinsics - C Language Interface

XtSetKeyboardFocus(3)

XT FUNCTIONS

XtSetKeyboardFocus(3)

Xlib - C Language X Interface