

XtSetKeyboardFocus – focus events on a child widget

XtSetKeyboardFocus(*subtree*, *descendant*)

Widget *subtree*, *descendant*;

descendant 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.

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

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.

XtCallAcceptFocus(3Xt)

X Toolkit Intrinsic – C Language Interface

Xlib – C Language X Interface