

**NAME**

XkbGetDeviceButtonActions - Query the button actions associated with an X Input Extension device

**SYNOPSIS**

**Status** XkbGetDeviceButtonActions (**Display** \**dpy*, **XkbDeviceInfoPtr** *device\_info*, **Bool** *all\_buttons*, **unsigned int** *first\_button*, **unsigned int** *num\_buttons*);

**ARGUMENTS**

*dpy* connection to X server

*device\_info*  
structure to update with results

*all\_buttons*  
True => get information for all buttons

*first\_button*  
number of first button for which info is desired

*num\_buttons*  
number of buttons for which info is desired

**DESCRIPTION**

*XkbGetDeviceButtonActions* queries the server for the desired button information for the device indicated by the *device\_spec* field of *device\_info* and waits for a reply. If successful, *XkbGetDeviceButtonActions* backfills the button actions (*btn\_acts* field of *device\_info*) for only the requested buttons, updates the *name*, *type*, *supported*, and *unsupported* fields, and returns Success.

*all\_buttons*, *first\_button* and *num\_buttons* specify the device buttons for which actions should be returned. Setting *all\_buttons* to True requests actions for all device buttons; if *all\_buttons* is False, *first\_button* and *num\_buttons* specify a range of buttons for which actions are requested.

If a compatible version of Xkb is not available in the server or the Xkb extension has not been properly initialized, *XkbGetDeviceButtonActions* returns BadAccess. If allocation errors occur, a BadAlloc status is returned. If the specified device (*device\_info->device\_spec*) is invalid, a BadKeyboard status is returned. If the device has no buttons, a BadMatch status is returned. If *first\_button* and *num\_buttons* specify illegal buttons, a BadValue status is returned.

**DIAGNOSTICS**

**BadAccess**        The Xkb extension has not been properly initialized

<b>BadAlloc</b>	Unable to allocate storage
<b>BadKeyboard</b>	The device specified was not a valid core or input extension device
<b>BadMatch</b>	A compatible version of Xkb was not available in the server or an argument has correct type and range, but is otherwise invalid
<b>BadValue</b>	An argument is out of range