

**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

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