

NAME

XkbGetKeyboard - Retrieves one or more components of a keyboard device description

SYNOPSIS

XkbDescPtr XkbGetKeyboard (Display **display*, unsigned int *which*, unsigned int *device_spec*);

ARGUMENTS

display

connection to the X server

device_spec

device ID, or XkbUseCoreKbd

bits_to_change

determines events to be selected / deselected

values_for_bits

1=>select, 0->deselect; for events in bits_to_change

DESCRIPTION

XkbGetKeyboard allocates and returns a pointer to a keyboard description. It queries the server for those components specified in the *which* parameter for device *device_spec* and copies the results to the XkbDescRec it allocated. The remaining fields in the keyboard description are set to NULL. The valid masks for *which* are those listed in Table 1.

Table 1 Mask Bits for
XkbDescRec

Mask	XkbDescRec FieldValue	
Bit		
XkbControlsMask	ctrls	(1L<<0)
XkbServerMapMask	server	(1L<<1)
XkbIClientMapMask	map	(1L<<2)
XkbIndicatorMapMask	indicators	(1L<<3)
XkbNamesMask	names	(1L<<4)
XkbCompatMapMask	compat	(1L<<5)
XkbGeometryMask	geom	(1L<<6)
XkbAllComponentsMaskAll		(1L<<7)

Fields

XkbGetKeyboard is used to read the current description for one or more components of a keyboard device. It calls **XkbGetKeyboardByName(3)** as follows:

XkbGetKeyboardByName(dpy, device_spec, NULL, which, which, False).

If successful, **XkbGetKeyboard** returns a pointer to a newly allocated **XkbDescRec** structure, which is described in **XkbGetKeyboardByName(3)**, and which should be freed with **XkbFreeKeyboard(3)**. If **XkbGetKeyboard** does not succeed, it returns **NULL**.

DIAGNOSTICS

BadAlloc Unable to allocate storage

SEE ALSO

XkbGetKeyboardByName(3)