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)