

NAME

XkbGetNamedIndicator - Look up the indicator map and other information for an indicator by name

SYNOPSIS

```
Bool XkbGetNamedDeviceIndicator (Display *dpy, unsigned int dev_spec, unsigned int led_class,  
    unsigned int led_id, Atom name, int *ndx_rtrn, Bool *state_rtrn, XkbIndicatorMapPtr map_rtrn,  
    Bool *real_rtrn);
```

```
Bool XkbGetNamedIndicator (Display *dpy, Atom name, int *ndx_rtrn, Bool *state_rtrn,  
    XkbIndicatorMapPtr map_rtrn, Bool *real_rtrn);
```

ARGUMENTS

dpy connection to the X server

dev_spec

keyboard device ID, or XkbUseCoreKbd

led_class

feedback class, or XkbDfltXIClass

led_id

feedback ID, or XkbDfltXIId

name

name of the indicator to be retrieved

ndx_rtrn

backfilled with the index of the retrieved indicator

state_rtrn

backfilled with the current state of the retrieved indicator

map_rtrn

backfilled with the mapping for the retrieved indicator

real_rtrn

backfilled with True if the named indicator is real (physical)

DESCRIPTION

Xkb also allows applications to refer to indicators by name. Use *XkbGetNames* to get the indicator

names. Using names eliminates the need for hard-coding bitmask values for particular keyboards. For example, instead of using vendor-specific constants such as `WSKBLed_ScrollLock` mask on Digital workstations or `XLED_SCROLL_LOCK` on Sun workstations, you can instead use *XkbGetNamedDeviceIndicator* to look up information on the indicator named "Scroll Lock."

If the device specified by *device_spec* has an indicator named *name*, *XkbGetNamedDeviceIndicator* returns True and populates the rest of the parameters with information about the indicator. Otherwise, *XkbGetNamedDeviceIndicator* returns False.

The *ndx_rtrn* field returns the zero-based index of the named indicator. This index is the bit position to use in any function call that requires a mask of indicator bits, as well as the indicator's index into the `XkbIndicatorRec` array of indicator maps. *state_rtrn* returns the current state of the named indicator (True = on, False = off). *map_rtrn* returns the indicator map for the named indicator. In addition, if the indicator is mapped to a physical LED, the *real_rtrn* parameter is set to True.

Each of the "*_rtrn*" arguments is optional; you can pass NULL for any unneeded "*_rtrn*" arguments.

XkbGetNamedIndicator is a convenience function that calls *XkbGetNamedDeviceIndicator* with a *device_spec* of **XkbUseCoreKbd**, a *led_class* of **XkbDfltXIClass**, and a *led_id* of **XkbDfltXIId**. It returns the return value from *XkbGetNamedDeviceIndicator*.

RETURN VALUES

- | | |
|-------|---|
| True | The <i>XkbGetNamedIndicator</i> and <i>XkbGetNamedDeviceIndicator</i> functions return True if the device specified by <i>device_spec</i> has an indicator named <i>name</i> . |
| False | The <i>XkbGetNamedIndicator</i> and <i>XkbGetNamedDeviceIndicator</i> functions return False if the device specified by <i>device_spec</i> does not have an indicator named <i>name</i> . |

SEE ALSO

XkbGetNames(3)