

**NAME**

XSetPointerMapping, XGetPointerMapping - manipulate pointer settings

**SYNTAX**

```
int XSetPointerMapping(Display *display, _Xconst unsigned char map[], int nmap);
```

```
int XGetPointerMapping(Display *display, unsigned char map_return[], int nmap);
```

**ARGUMENTS**

*display* Specifies the connection to the X server.

*map* Specifies the mapping list.

*map\_return* Returns the mapping list.

*nmap* Specifies the number of items in the mapping list.

**DESCRIPTION**

The **XSetPointerMapping** function sets the mapping of the pointer. If it succeeds, the X server generates a **MappingNotify** event, and **XSetPointerMapping** returns **MappingSuccess**. Element `map[i]` defines the logical button number for the physical button `i+1`. The length of the list must be the same as **XGetPointerMapping** would return, or a **BadValue** error results. A zero element disables a button, and elements are not restricted in value by the number of physical buttons. However, no two elements can have the same nonzero value, or a **BadValue** error results. If any of the buttons to be altered are logically in the down state, **XSetPointerMapping** returns **MappingBusy**, and the mapping is not changed.

**XSetPointerMapping** can generate a **BadValue** error.

The **XGetPointerMapping** function returns the current mapping of the pointer. Pointer buttons are numbered starting from one. **XGetPointerMapping** returns the number of physical buttons actually on the pointer. The nominal mapping for a pointer is `map[i]=i+1`. The `nmap` argument specifies the length of the array where the pointer mapping is returned, and only the first `nmap` elements are returned in `map_return`.

**DIAGNOSTICS**

**BadValue** Some numeric value falls outside the range of values accepted by the request. Unless a specific range is specified for an argument, the full range defined by the argument's type is accepted. Any argument defined as a set of alternatives can generate this error.

**SEE ALSO**

XChangeKeyboardControl(3), XChangeKeyboardMapping(3)

*Xlib - C Language X Interface*