

XSetDeviceValuators – initialize the valuators on an extension input device

XSetDeviceValuators(*display*, *device*, *valuators*, *first_valuator*, *num_valuators*)

```
Display *display;  
XDevice *device;  
int *valuators;  
int first_valuator;  
int num_valuators;
```

display Specifies the connection to the X server. *device* Specifies the device whose valuators are to be initialized. *valuators* Specifies a pointer to an array of integer values to be used to initialize the device valuators. *first_valuator* Specifies the first valuator to be set. Valuators are numbered beginning with zero. *num_valuators* Specifies the number of valuators to be set.

The *XSetDeviceValuators* request sets the current values of the valuators of an input device. The valuators in the range *first_valuator* to (*first_valuator* + *num_valuators*) are set to the specified values. Valuators are numbered beginning with 0. Not all input devices support initialization of valuator values. If this request is made to a device that does not support valuators initialization, a *BadMatch* error will occur.

If the request succeeds, a status of Success is returned. If another client has the device grabbed, a status of AlreadyGrabbed is returned.

XSetDeviceValuators can generate a *BadLength*, *BadDevice*, *BadMatch*, or *BadValue* error.

BadDevice An invalid device was specified. The specified device does not exist or has not been opened by this client via *XOpenInputDevice*. *BadMatch* This error may occur if an *XSetDeviceValuators* request is made specifying a device that has no valuators and reports no axes of motion, or if such a request is made specifying a device that does not support valuator initialization. *BadValue* An invalid *first_valuator* or *num_valuators* values was specified.

Programming with Xlib