

**NAME**

XkbSAScreen - Returns the screenXXX field of act converted to a signed int

**SYNOPSIS**

```
int XkbSAScreen (XkbSwitchScreenAction act);
```

**ARGUMENTS**

*act* action from which to extract screen

**DESCRIPTION**

Actions associated with the XkbSwitchScreen action structure change the active screen on a multiscreen display.

The *type* field of the XkbSwitchScreenAction structure should always be XkbSA\_SwitchScreen.

The *flags* field is composed of the bitwise inclusive OR of the masks shown in Table 1.

Table 1 Switch Screen Action

Flags

Flag	Meaning
XkbSA_SwitchAbsolute	If set, the screenXXX field represents the index of the new screen. Otherwise, it represents an offset from the current screen to the new screen.
XkbSA_SwitchApplication	If not set, the action should switch to another screen on the same server. Otherwise, it should switch to another X server or application that shares the same physical display.

The *screenXXX* field is a signed character value that represents either the relative or absolute screen index, depending on the state of the XkbSA\_SwitchAbsolute bit in the *flags* field. Xkb provides the following macros to convert between the integer and signed character value for screen numbers in XkbSwitchScreenAction structures.

*XkbSAScreen* macro returns the *screenXXX* field of *act* converted to a signed int.

**STRUCTURES**

```
typedef struct _XkbSwitchScreenAction {
```

```
    unsigned char  type;    /* XkbSA_SwitchScreen */
    unsigned char  flags;   /* controls screen switching */
    char           screenXXX; /* screen number or delta */
} XkbSwitchScreenAction;
```

## NOTES

The XkbSwitchScreen action is optional. Servers are free to ignore the action or any of its flags if they do not support the requested behavior. If the action is ignored, it behaves like XkbSA\_NoAction.

Otherwise, key press and key release events do not generate an event.