



## ***Linux Ubuntu 26.04 Manual Pages on command 'XtRegisterCaseConverter.3'***

***\$ man XtRegisterCaseConverter.3***

XtSetKeyTranslator(3)

XT FUNCTIONS

XtSetKeyTranslator(3)

### NAME

XtSetKeyTranslator, XtTranslateKeycode, XtRegisterCaseConverter, XtConvertCase - convert  
KeySym to KeyCodes

### SYNTAX

```
#include <X11/Intrinsic.h>
```

```
void XtSetKeyTranslator(Display *display, XtKeyProc proc);
```

```
void XtTranslateKeycode(Display *display, KeyCode keycode, Modifiers modifiers, Modifiers  
*modifiers_return, KeySym *keysym_return);
```

```
void XtRegisterCaseConverter(Display *display, XtCaseProc proc, KeySym start, KeySym stop);
```

```
void XtConvertCase(Display *display, KeySym keysym, KeySym *lower_return, KeySym *upper_re?  
turn);
```

### ARGUMENTS

display Specifies the display.

keycode Specifies the KeyCode to translate.

**keysym** Specifies the KeySym to convert.

**keysym\_return**

Returns the resulting KeySym.

**lower\_return**

Returns the lowercase equivalent of the KeySym.

**upper\_return**

Returns the uppercase equivalent of the KeySym.

**modifiers** Specifies the modifiers to the KeyCode.

**modifiers\_return**

Returns a mask that indicates the modifiers actually used to generate the KeySym.

**proc** Specifies the procedure that is to perform key translations or conversions.

**start** Specifies the first KeySym for which this converter is valid.

**stop** Specifies the last KeySym for which this converter is valid.

## DESCRIPTION

The `XtSetKeyTranslator` function sets the specified procedure as the current key translator. The default translator is `XtTranslateKey`, an `XtKeyProc` that uses Shift and Lock modifiers with the interpretations defined by the core protocol. It is provided so that new translators can call it to get default KeyCode-to-Keysym translations and so that the default translator can be reinstalled.

The `XtTranslateKeyCode` function passes the specified arguments directly to the currently registered KeyCode to Keysym translator.

The `XtRegisterCaseConverter` registers the specified case converter. The start and stop arguments provide the inclusive range of `KeySyms` for which this converter is to be called. The new converter overrides any previous converters for `KeySyms` in that range. No interface exists to remove converters; you need to register an identity converter. When a new converter is registered, the `Intrinsics` refreshes the keyboard state if necessary. The default converter understands case conversion for all `KeySyms` defined in the core protocol.

The `XtConvertCase` function calls the appropriate converter and returns the results. A user-supplied `XtKeyProc` may need to use this function.

#### SEE ALSO

[X Toolkit Intrinsics - C Language Interface](#)

[Xlib - C Language X Interface](#)

X Version 11

libXt 1.2.1

`XtSetKeyTranslator(3)`