

rawkey

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Chapter 1

rawkey

1.1 rawkey_plugin: Introduction

rawkey plugin

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rawkey plugin is a PLUGIN that offers a simple way to get keyboard events from the user even if he is not accessing a GUI gadget (the window **MUST** be active anyway).

This plugin is a `_passive_` plugin, ie. it not renders anything on the window. It can handle events from these keys:

- Cursors Keys,
- Ctrl key,
- Shift keys (it **do** distinguish between the two keys)
- Alt keys (it **do** distinguish between the two keys)
- Amiga keys (it **do** distinguish between the two keys)
- Help key
- Function keys

Usage

History

1.2 rawkey_plugin: Usage

rawkey plugin

This plugin acts as a "filter" between the window and the user events.

You can react to user actions by setting the right answer event to user inputs.

As I mentioned above, you can monitor some keys:

```
Cursors Keys,
Ctrl key,
Shift keys (it *do* distinguish between the two keys)
Alt keys   (it *do* distinguish between the two keys)
Amiga keys (it *do* distinguish between the two keys)
Help key
Function keys
```

To set a relationship between a key and an action you just have to define a PROC that will handle that specific event, using the `setattrs()` method.

For example, to set an event for the cursor-up key, just do:

```
[PLA_KEY_UP, {proc_up}]
```

Please, note that the taglist should be NIL terminated.

The PROC `proc_up` will do something for the cursor-up key, for example, I use this to move up/down the current selection on a `ListView` gadget.

The PROC `proc_up` can will receive a parameter (that defaults to NIL) that can be set by the programmer using the tag: `PLA_KEY_USERDATA`.

`rawkey` plugin has these publically accessible methods:

```
PROC init() OF rawkey
```

This method is most likely the one that you would call when `NEW'`ing the object; but it is safe to call at other times to reset all procs to NIL.

```
PROC setattrs(tags) OF rawkey
```

This method sets the relationships between a key and a proc.

`tags` is a standard taglist, that should be NIL terminated. Here are all valid tags:

```
PLA_KEY_UP      - Cursor-up key
PLA_KEY_DOWN    - Cursor-down key
PLA_KEY_RIGHT   - Cursor-right key
PLA_KEY_LEFT    - Cursor-left key

PLA_KEY_CONTROL - CTRL key

PLA_KEY_LSHIFT  - Left shift key
PLA_KEY_RSHIFT  - Right shift key

PLA_KEY_LALT    - Left alt key
```

```
PLA_KEY_RALT      - Right alt key

PLA_KEY_LAMIGA    - Left Amiga key
PLA_KEY_RAMIGA    - Right Amiga key

PLA_KEY_HELP      - Help key

PLA_KEY_F1        - F1 key
PLA_KEY_F2        - F2 key
PLA_KEY_F3        - F3 key
PLA_KEY_F4        - F4 key
PLA_KEY_F5        - F5 key
PLA_KEY_F6        - F6 key
PLA_KEY_F7        - F7 key
PLA_KEY_F8        - F8 key
PLA_KEY_F9        - F9 key
PLA_KEY_F10       - F10 key

PLA_KEY_USERDATA  - Optional argument passed to function
```

See the example source code, `rawkey_demo.e`, for some actual examples of this plugin in use.

1.3 rawkey_plugin: History

v1.0 (05.10.97)

- o Initial release.