

rawkey

COLLABORATORS

	<i>TITLE :</i> rawkey		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		January 20, 2025	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	rawkey	1
1.1	rawkey_plugin: Introduction	1
1.2	rawkey_plugin: Usage	1
1.3	rawkey_plugin: History	3

Chapter 1

rawkey

1.1 rawkey_plugin: Introduction

rawkey plugin

by Fabio Rotondo <fsoft@intercom.it>

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.