

Chapter IV-5 — User-Defined Menus

```
Menu "Macros"
  "\\M0:/1:(Cmd-1 on Macintosh, Ctrl+1 on Windows)"
  "\\M0::(Disabled item)"
  "\\M0:!*: (Checked)"
  "\\M0:/2!*: (Cmd-2 on Macintosh, Ctrl+2 on Windows and checked)"
End
```

The \\M escape code affects just the menu item currently being defined. In the following example, special character interpretation is enabled for the first item but not for the second:

```
"\\M1(First item;(Second item"
```

To enable special character interpretation for both items, we need to write:

```
"\\M1(First item;\\M1(Second item"
```

Keyboard Shortcuts

A keyboard shortcut is a set of one or more keys which invoke a menu item. In a menu item string, a keyboard shortcut is introduced by the / special character. For example:

```
Menu "Macros"
  "Test/1"           // The keyboard shortcut is Cmd-1 (Macintosh)
End                 // or Ctrl+1 (Windows).
```

All of the plain alphabetic keyboard shortcuts (/A through /Z) are used by Igor.

Numeric keyboard shortcuts (/0 through /9) are available for use in user menu definitions as are Function Keys, described below.

You can define a numeric keyboard shortcut that includes one or more modifier keys. The modifier keys are:

Macintosh:	Shift (S), Option (O), Control (L)
Windows:	Shift (S), Alt (O), Meta (L) (Meta is often called the "Windows key").

For example:

```
Menu "Macros"
  "Test/1"           // Cmd-1, Ctrl+1
  "Test/S1"          // Shift-Cmd-1, Ctrl+Shift+1.
  "Test/O1"          // Option-Cmd-1, Ctrl+Alt+1
  "Test/OS1"         // Option-Shift-Cmd-1, Ctrl+Shift+Alt+1
End
```

Function Keys

Most keyboards have function keys labeled F1 through F12. In Igor, you can treat a function key as a keyboard shortcut that invokes a menu item.

Note: Mac OS X reserves nearly all function keys for itself. In order to use function keys for an application, you must check a checkbox in the Keyboard control panel. Even then the OS will intercept some function keys.

Note: On Windows, Igor uses F1 for help-related operations. F1 will not work as a keyboard shortcut on Windows. Also, the Windows OS reserves Ctrl-F4 and Ctrl-F6 for closing and reordering windows. On some systems, F12 is reserved for debugging.

Here is a simple function key example:

```
Menu "Macros"
  "Test/F5"          // The keyboard shortcut is F5.
End
```