

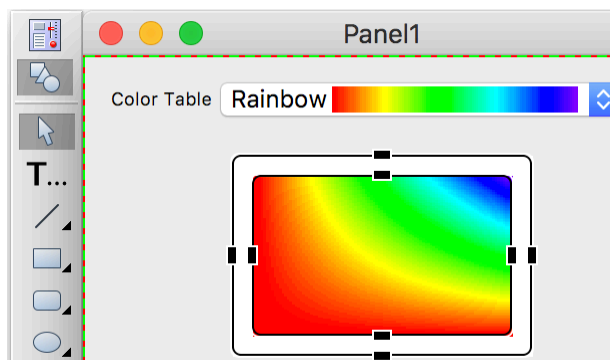
A panel window's background color can be set by Control-clicking (*Macintosh*) or right-clicking (*Windows*) in the background and then selecting a color from the pop-up color palette. See **Control Background Color** on page III-437 for details.

## Embedding into Control Panels

You can embed a graph, table, notebook, or another panel into a control panel window. See Chapter III-4, **Embedding and Subwindows** for details. This technique is cleaner than adding control areas to a graph. It also allows you to embed multiple graphs in one window with controls.

Use the contextual menu while in drawing mode to add an embedded window. Click on the frame of the embedded window to adjust the size and position.

You can use a notebook subwindow in a control panel to display status information or to accept lengthy user input. See **Notebooks as Subwindows in Control Panels** on page III-91 for details.



## Exterior Control Panels

Exterior subwindows are panels that act like subwindows but live in their own windows attached to a host window. The host window can be a graph, table, panel or Gizmo plot. The host window and its exterior subwindows move together and, in general, act as a single window. Exterior subwindows have the advantage of not disturbing the host window and, unlike normal subwindows, are not limited in size by the host window.

To create an exterior subwindow panel, use **NewPanel** with the `/EXT` flag in combination with `/HOST`.

## Floating Control Panels

Floating control panels float above all other windows, except dialogs. To create a floating panel, use **NewPanel** with the `/FLT` flag.

## Control Panel Expansion

In Igor Pro 9.00 and later, you can set an expansion factor for a control panel using the Expansion submenu in the Panel menu or the panel's contextual menu which you summon by right-clicking. You can set it for all control panels using the Panel section of the Miscellaneous Settings dialog. As explained below, setting it for all panels is recommended in most cases.

The factory default control panel expansion factor is 1.0 which means that control panels and their controls are displayed at "normal" size. The normal size depends on the pixel size of your screen and on various complex software factors. It may be too small or too large for your taste. If so, you can use the control panel expansion factor to adjust.

When you change the expansion factor, the size of the panel window and any controls and subwindows in the panel changes accordingly. Additionally, elements drawn in the panel using drawing tools are also expanded.

If normal size is not ideal for you, you will usually want to change the expansion for all control panels, not for just one specific control panel. You can do this by changing the default control panel expansion factor using the Panel section of the Miscellaneous Settings dialog. For most uses, changing the default is recommended over changing the expansion for a specific control panel.

When creating a control panel programmatically, you can set the expansion factor using the **NewPanel** `/EXP=<factor>` flag which was added in Igor Pro 9.00. However, for most uses, you should omit `/EXP` and allow the user's default control panel expansion factor to take effect.