

DrawControls

Draw all controls visible in a window

#include <Controls.h>

Control Manager

```
void      DrawControls( theWindow );
WindowPtr theWindow ;    window to update
```

DrawControls draws all of a window's currently active and visible controls. This (or **UpdtControl**) should be used upon detecting an update event for a window that contains controls.

theWindow is a pointer to a 108-byte GrafPort structure (actually a 156-byte WindowRecord). It is typically a value obtained from EventRecord.message after calling **WaitNextEvent**.

Returns: none

Notes: This can be used at any time to draw the controls in a window. It works by drawing all the controls, and letting the off-screen or covered controls be clipped. The 128K ROM **UpdtControl** function is more efficient since it doesn't waste time drawing outside of the window's visible region.

The most common usage is to call **DrawControls** to redraw scroll bars upon detecting an update event as in this code skeleton:

```
if ( GetNextEvent( everyEvent, &myEvent ) ) {
    switch ( myEvent.what ) {
        case updateEvt:
            updtWin = (WindowPtr)myEvent.message;
            GetPort( &savePort );
            SetPort( updtWin )
            BeginUpdate( updtWin );
            DrawControls( updtWin );
            DrawGrowIcon( updtWin); /* if needed */
            MyDrawWin( updtWin);    /* draw window contents */
            EndUpdate( updtWin );
            SetPort( savePort )
            break;
        case mouseDown:
            .
            . ... etc ...
            .
    }
}
```

The 'size icon' (if used) is also part of the content region of a window and will need to be redrawn when it is uncovered.