

MODULE 10: PROGRESS MONITOR

On completion of this module you will be able to display the status of the processing of the program and how to control the position of elements such as an enlarged screen, etc.

Subject Outcome 1: Introduction

Subject Outcome 2: QGauge

Subject Outcome 3: QTrackBar

Subject Outcome 4: QScrollBar



10.1 Progress Bars

10.1.1 Introduction

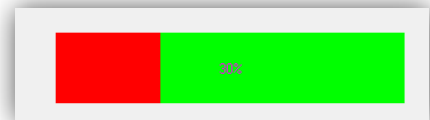
These components are used to display a visual progress report of the current status regarding the current operation and to be used as a visual input device for configuration or settings.



In the case of a visual progress report, it could be for instance when your program scans a database, it will indicate the current scan position within the database. You may display it as actual position or as a percentage out of 100%.

In case of a visual input device, you may for instance use it as a positioning tool of calibrating the color you wish to select, or the brightness of your application's graphics, the difficulty level of a game, etc.

10.1.2 QGAUGE



QGauge is a sophisticated progress monitor. It is used to visually give users the progress of an operation. It is only an **output component** as the user is **not able to alter or control it.**

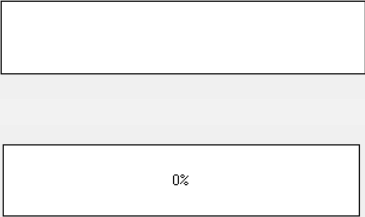

Syntax (with no parameters):

Commands	Description
Create ? as QGauge End Create	? Represents the name give for the respective QGauge.

You have the following property settings available to display a QGauge:

Sno	Property	Description
1	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100;top=80:width=300:height=60 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>Create the gauge. Position (left and top) and size (width and height) the gauge.</p>

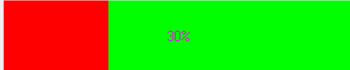
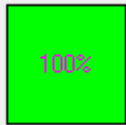
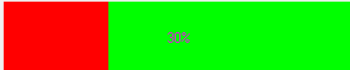
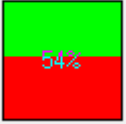



Sno	Property	Description
2	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>Establish the hint box when the mouse hovers over gauge.</p>
3	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	 <p>This will display or not display the % text within the gauge. =1 will display the % and =0 will disable the display.</p>
4	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=1 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	 <p>This will display the border line or not display the border line around the gauge. =0 will disable the border and =1 will enable it.</p>



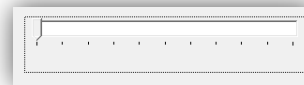
Sno	Property	Description
5	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=0:position=30 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>This will determine the starting position. Remember it is calculated according to 0 to 100 (unless stipulated otherwise – to be discussed with MIN and MAX).</p>
6	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> dim i as single declare sub startloading CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=0:position=30 end create create start as qbutton left=50:top=200:caption="start" onclick=startloading end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub startloading for i = 0 to 100 gagger.position=i sleep .02 next i end sub </pre>	<p>Position runner.</p> <p>Declare numerical variable. Establish sub program startloading.</p> <p>Establish the button that will start the sub program.</p> <p>Sub program that will execute the coding. Start the loop from 0 to 100. Alter gauge position as value of i. Wait for .2 of a second Loop i until done. End the sub program.</p>



Sno	Property	Description
7	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> dim i as single declare sub startloading CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=0:position=30 backcolor=65280 forecolor=255 end create create start as qbutton left=50:top=200:caption="start" onclick=startloading end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub startloading for i = 0 to 100 gagger.position=i sleep .02 next i end sub </pre>	<p>Alter the background color of the gauge. Alter the gauge color (red)</p> 
8	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> dim i as single declare sub startloading CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=0:position=30 backcolor=65280:forecolor=255 kind=1 end create create start as qbutton left=50:top=200:caption="start" onclick=startloading end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub startloading for i = 0 to 100 gagger.position=i sleep .02 next i end sub </pre>	<p>Determine the type (kind) of gauge.</p> <p>Kind=0 (only %, no bar)</p>  <p>Kind=1 (standard bar)</p>  <p>Kind=2 (fill from bottom)</p>  <p>Kind=3 (Pie)</p> 



Sno	Property	Description
9	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> dim i as single declare sub startloading CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qgauge left=100:top=80:width=300:height=60 showhint=1:hint="loading the game..." showtext=1:borderstyle=0:position=30 backcolor=65280:forecolor=255 kind=1: min=-20: max=50 end create create start as qbutton left=50:top=200:caption="start" onclick=startloading end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub startloading for i = -20 to 50 step+1 gagger.position=i sleep .02 next i end sub </pre>	<p>Min and Max will set the left and right parameters. The min may be a negative (-5) number and even the max may be a negative number [-1] should you require it to be like that. Remember that regardless the min and max, (by default they are 0 and 100), the gauge will display the position related to the % of the position between the min and max.</p> <p>The minimum position is -20 (negative 20) and max is 50.</p> <p>The parameters should be altered accordingly.</p>
10	<pre> Visible=0 Visible=1 </pre>	<p>This will make the element invisible. This will make the element visible.</p>



10.1.3 QTRACKBAR

This is a Window Scroll Bar, **used to scroll content of a Window, Form or control such as a PICTURE, PANEL, etc.** It can also be used as a **simple track bar for configuration purposes.**

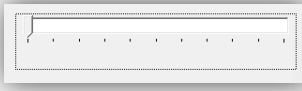

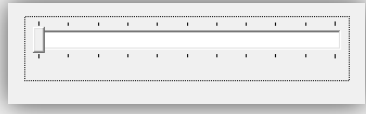
Syntax (with no parameters):

Commands	Description
<pre> Create ? as QScrollBar End Create </pre>	? Represents the name give for the respective QScrollBar.


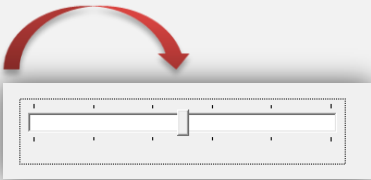
You have the following property settings available to display a **QTRACKBAR**:

Sno	Property	Description
1	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480: Center create gagger as qtrackbar left=100:top=80:width=300:height=60 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>Establish the track bar. Set the size and position of the trackbar.</p>

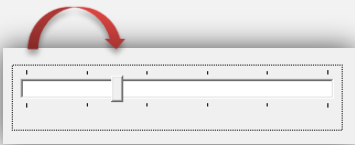


Sno	Property	Description
2	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>Activate and display a hint box when the mouse is hovered over element.</p>
3	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<div style="display: flex; align-items: center;">   </div> <p>If set = 0 then the bar will be displayed horizontally. If set = 1 then the bar will be displayed vertically.</p>
4	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>This command will specify the location of the tick marks. You have three options:</p> <ul style="list-style-type: none"> • =0 at bottom • =1 at top • =2 both top and bottom <div style="text-align: center;">  </div>

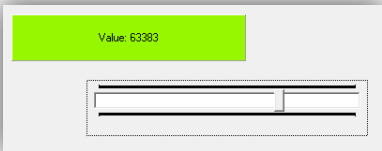


Sno	Property	Description
5	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2: frequency=2 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>This will determine which tick marks are displayed. In this example being =2, every second tick will be displayed.</p> 
6	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>This will display the tick marks (=1) or don't display the tick marks (=0).</p>
7	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	 <p>When you press the left and right arrow keys, the slider will move. LineSize will determine how many positions must it skip. In this example, when you press either left or right arrow key, it will move every 5 ticks.</p>



Sno	Property	Description
8	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	 <p>PageSize will determine how many positions must the slider move when you press the PAGEUP or PAGEDOWN key.</p>
9	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3:min=-10:max=30 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>This will set the left and right parameters (from where till where). Take note however that you may use a negative starting position, however when the trackbar element is displayed, the slider will be placed on the 0 (zero) position, unless otherwise stipulated (position).</p>
10	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3:min=-10:max=30:position=-5 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal </pre>	<p>This will set the starting position of the slider or the position in general during the execution of the program (from the last stored position, etc.)</p>

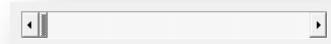


Sno	Property	Description
11	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub moveslider CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create sliderpos as qlabel left=20:top=10:caption="Value: 10" end create create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3:min=0:max=30:position=10 onchange=moveslider end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub moveslider sliderpos.caption="Value: "+str\$(gagger.position) end sub </pre>	<p>The ONCHANGE is an event to call a sub-program when the slider is being moved.</p> <p>Establish the sub program.</p> <p>Add a label to display the position of the slider.</p> <p>Indicate the sub program to call when the slider is moved.</p> <p>The sub program. Display the position of the track bar's position (note the STR\$()) as it is a numerical variable.</p>
12	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub moveslider CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create sliderpos as qpanel left=20:top=10:width=250:height=50 caption="Value: 10" end create create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3:min=0:max=90123:position=10 onchange=moveslider end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub moveslider sliderpos.color=gagger.position sliderpos.caption="Value: "+str\$(gagger.position) end sub </pre>	<p>Output driven track bar – make the trackbar determine the value of another element.</p> <p>Add a Qpanel element that will display the color of the value of the trackbar.</p>  <p>Affiliate the color of the panel as the value of the track bar. Display the caption as the value of the track bar on the panel.</p>



Sno	Property	Description
13	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub moveslider CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create sliderpos as qpanel left=20:top=10:width=250:height=50 caption="Value: 10" end create create gagger as qtrackbar left=100:top=80:width=300:height=60 showhint=1:hint="set difficulty ..." orientation=0:tickmarks=2 frequency=2:tickstyle=1:linesize=5 pagesize=3:min=0:max=1000:position=10 onchange=moveslider selstart=300:selend=700 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal sub moveslider sliderpos.color=gagger.position sliderpos.caption="Value: "+str\$(gagger.position) end sub </pre>	<p>These property settings will activate and set the selected area for whatever purpose you or the program see fit. Remember the selected areas have a starting point and ending point. This function is used to identify that selected area.</p> 
14	<pre> Enabled=0 Enabled=1 Visible=0 Visible=1 </pre>	<p>This will disable the element, however it will remain visible.</p> <p>This will enable the element for the user to interact with it.</p> <p>This will turn the element invisible.</p> <p>This will make the element visible.</p>

10.1.4 QSCROLLBAR



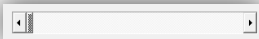

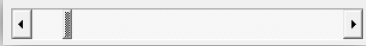
This is a Window Scroll Bar, **used to scroll content of a Window, Form or control such as a PICTURE, PANEL, etc.** It can also be used as a **simple track bar for configuration purposes.**

Syntax (with no parameters):

Commands	Description
<pre> Create ? as QScrollBar End Create </pre>	<p>? Represents the name give for the respective QScrollBar.</p>



You have the following property settings available to display a **QSCROLLBAR**:

Sno	Property	Description
1	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>This will determine the position and size of the scrollbar.</p>
2	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>Establish and display a hint box when the mouse hovers over element.</p>
3	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>This will determine the orientation (=0 is horizontal and =1 is vertical).</p>
4	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10 end create END CREATE SetWindowLong[Form.Handle, -8, 0] SetWindowLong[Application.Handle, -8, Form.Handle] Form.ShowModal </pre>	<p>This will set the position of the scroll bar's slider.</p> <div style="text-align: center;">  </div>



Sno	Property	Description
5	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onchange=checkscpos end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos form.caption="Position: "+str\$(scroller.position) end sub </pre>	<p>Establish the sub program.</p> <p>Activate the event to call the sub program when the slider is moved.</p> <p>Start sub program. Display the value of the position (numerical variable).</p>
6	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onchange=checkscpos min=-5000:max=5000 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos form.caption="Position: "+str\$(scroller.position) end sub </pre>	<p>This will set the left and right parameters for the scroll bar.</p>



Sno	Property	Description
7	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onChange=checkscpos min=-5000:max=5000:largechange=500 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos form.caption="Position: "+str\$(scroller.position) end sub </pre>	<p>This will set the interval jumps of the slider when the user presses the PG UP and PG DN keyboard keys.</p>
8	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100:top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onChange=checkscpos min=-5000:max=5000:largechange=500 smallchange=10 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos form.caption="Position: "+str\$(scroller.position) end sub </pre>	<p>This will determine the interval jumps when the user presses the left and right arrow keys on the keyboard.</p>



Sno	Property	Description
9	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100;top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onChange=checkscpos min=-5000:max=5000:largechange=500 smallchange=10:pagesize=3000 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos form.caption="Position: "+str\${scroller.position} end sub </pre>	<p>This will size the slider related to the element (image, form, page) that you are using.</p>
10	<pre> \$TYPECHECK ON \$INCLUDE <RapidQ2.inc> declare sub checkscpos(scrollcode as byte, scrollpos as long) CREATE Form AS QFORM Caption = "Form":Width = 640:Height = 480 Center create scroller as qscrollbar left=100;top=80:width=300:height=25 showhint=1:hint="scroll to determine ..." kind=0:position=10:onscroll=checkscpos min=-5000:max=5000:largechange=500 smallchange=10:pagesize=3000 end create END CREATE SetWindowLong(Form.Handle, -8, 0) SetWindowLong(Application.Handle, -8, Form.Handle) Form.ShowModal sub checkscpos(scrollcode as byte, scrollpos as long) form.caption="Position: "+str\${scrollcode}+" / "+str\${scrollpos} end sub </pre>	<p>This is an event similar to ONCHANGE. It will call the sub program, however it will also indicate the method of scrolling that is contained in the numerical variable SCROLLCODE. SCROLLPOS will indicate the position of the slider.</p> <ul style="list-style-type: none"> • 0: small left • 1: Small right • 2: Long left • 3: Long right • 8: No action • 5: Mouse drag
11	<pre> Enabled=0 Enabled=1 Visible=0 Visible=1 </pre>	<p>This will disable the element, however it will remain visible. This will enable the element for the user to interact with it. This will turn the element invisible. This will make the element visible.</p>

