

## Prepare Method

### Applies to

TQuickReport

### Declaration

procedure NewPage

The NewPage event can be called from an event handler during report preparation. It will force a page break after the current band is printed. Page headers and footers will be printed correctly.

# QuickReport for Delphi

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Welcome to QuickReport, the integrated reporting solution for Borland Delphi!

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## About QSD AS

QSD AS is a Norwegian software development company specialising in Delphi development. In addition to creating QuickReport we do both contract work and have plans for several other Delphi add-ons. Please feel free to contact us if you have any questions.

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**QuickReport**  
Version 0.95c

## QuickReport Component Overview



### Visible components

<u>TQuickReport</u>	The 'controller' for each of your reports. Put one of these on your form to change it into a report
<u>TQRBand</u>	QuickReports are build up of printable components placed on QR Bands
<u>TQRLabel</u>	QRLabel prints text on the report
<u>TQRDBText</u>	QRDBText prints database fields, including memo fields
<u>TQRDetailLink</u>	QRDetailLink is used to create any type of master/detail reports
<u>TQRMemo</u>	QRMemo prints of multiline text
<u>TQRShape</u>	Prints different shapes
<u>TQRDBCalc</u>	QRDBCalc performs calculations on your database fields
<u>TQRPreview</u>	Used to create your own custom preview forms
<u>TQRGroup</u>	Create data groups using the TQRGroup component
<u>TQRSysData</u>	Other components

### Other Objects and Components

<u>TQRPrinter</u>	QRPrinter is a low level printer object with special functions
<u>TQRCustomControl</u>	QRCustomControl is the base class for printable QuickReport components

## TQuickReport Component

[Properties](#)

[Events](#)

[Methods](#)

### Unit

[QuickRep](#)

### Description

TQuickReport is the main component handling all the printing and data functionality. This component is required to transform a form into a QuickReport. Typically you would connect the [DataSource](#) property to your data, put some [QRBands](#) on the form and put some printable controls on the bands. Finally you call the [Preview](#) or [Print](#) method to output the report.

## ColumnMarginInches Property

### Applies to

TQuickReport

### Declaration

```
property LeftMarginInches : Longint
```

The space put between the columns in a multicolumn report. The value is 1/10th inches

## TQRBand Component

[Properties](#)

[Events](#)

### Unit

[QuickRep](#)

### Description

You build your reports by creating different QR Bands and putting visible QuickReport controls on them. There are several different band types, like detail band, page header band, page footer band and so on. Some band types are printed automatically, while some need to be connected to a QRDetailLink or QRGroup component to be printed. The [BandType property](#) explains this more in depth.

## TQRLabel Component

[Properties](#)

[Events](#)

### Unit

[QuickRep](#)

### Description

The QRLabel component is used to display text on a report like column headings. The caption property can be changed in any events during report preparation. If you want a to output text from a data field use the [QRDBText](#) component instead.

In addition the QRLabel component has all the properties from the [QRCustomControl](#) component.

## **TQRDBText Component**

[Properties](#)

[Events](#)

### **Unit**

[QuickRep](#)

### **Description**

Use this component to display any field from a dataset. Works much like a DBText components on forms. If datafield is a memo field, the detail band will stretch to make room for all lines in the memo.

## **TQRMemo Component**

Properties

**Unit**

QuickRep

**Description**

Use the TQRMemo component when you need to print multiline text

## **TQRShape Component**

Properties

**Unit**

QuickRep

**Description**

QRShape is used to display simple lines and figures on the report.

## **TQRDBCalc Component**

Properties

**Unit**

QuickRep

### **Description**

This component automates the process of summing and counting of data fields. In addition to these properties the QRDBCalc has all the properties and events it inherits from TQRDBText.

## **TQRPrinter**

[Properties](#)

[Events](#)

[Methods](#)

### **Unit**

[QuickRep](#)

### **Description**

TQRPrinter is a low level printer object with preview, save and load capabilities. An instance of this object called QRPrinter is automatically created when you application starts.

QRPrinter is like a Printer object with recording capabilities. All print commands you send to its Canvas property are recorded in a Windows Metafile object. If you use the NewPage method the current page is kept in memory and QRPrinter creates a new on. When you have created the entire printout you can choose to preview, print or save the result.

QuickReport uses this object for all its printing.

## TQRPreview Component

[Properties](#)

[Events](#)

[Methods](#)

### Unit

[QuickRep](#)

### Description

The TQRPreview component makes it very easy to create your own preview forms. The QRPreview component takes care of all the work involved in displaying the report on screen, including scrolling and zooming. Please look at the DEMOPRE form in the QuickReport demo project for an example on how to use the QRPreview component.

QRPreview has several methods you can call to control the behaviour during a preview. As an example you can call the ZoomToFit method in a button's OnClick event. This will make the QRPreview component zoom in/out so the entire page fits on the control.

## ColumnMarginInches Property

### Applies to

TQuickReport

### Declaration

```
property LeftMarginInches : Longint
```

The space put between the columns in a multicolumn report. The value is 1/10th inches

## TQRGroup Component

[Properties](#)

[Events](#)

### Unit

[QuickRep](#)

### Description

There are two ways of printing master/detail reports with QuickReport. One is to use a TQuery component with a join Query and QRGroups to group the data. The other method is to use the [TQRDetailLink](#) component combined with DetailGroup bands. Each method has its unique strengths.

## TQRSysData Component

[Properties](#)

[Events](#)

### Unit

[QuickRep](#)

### Description

The QRSysData component is used to display certain system data. Set the [Data](#) property to select what information to print. This component also has the properties and events of the [TQRLabel](#) component

## **Properties**

ColumnMarginInches

ColumnMarginMM

Columns

DataSource

DisplayPrintDialog

LeftMarginInches

LeftMarginMM

Orientation

PageCount

PageHeight

PageNumber

PageWidth

RecordCount

RecordNo

ReportTitle

ReportType

RestartData

ShowProgress

SQLCompatible

TitleBeforeHeader

## Properties

Data

Text

## **AlignToBand Property**

**Applies to**

TQRSysData

**Declaration**

**Events**

AfterDetail

AfterPrint

BeforeDetail

BeforePrint

OnEndPage

OnNeedData

OnStartPage

## Preview Method

### Applies to

TQuickReport

### Declaration

procedure Preview

The Preview method first prepares the report if necessary, then calls the QRPrinter.Preview method. If you haven't assigned an event handler for the QRPrinter.OnPreview event the standard preview form is displayed. Otherwise your OnPreview event handler is called. The report is freed from memory before returning.

**Methods**[NewPage](#)[Prepare](#)[Preview](#)[Print](#)

## Prepare Method

### Applies to

TQuickReport

### Declaration

procedure Prepare

Call the prepare method if you want to create the report without automatically printing or previewing it. Prepare create the report and sends it to the QRPrinter object. You must call the QRPrinter.CleanUp method when you want to release the report.

**Properties**

BandType

Color

Enabled

Font

ForceNewPage

Frame

LinkBand

Ruler

## QuickReport Licensing Terms

The 32 bit version of QuickReport 1.0 is included with Delphi 2.0. No additional license is needed to use this product

If you want to use QuickReport in your 16 bit Delphi 1.0 applications or you want the source code, QSD AS is selling a package containing the 16 bit version of QuickReport and the source for both the 16 and 32 bit version. The list price is \$79.

### **CompuServe SWREG**

QuickReport is available at CompuServe SWREG. Type GO SWREG at any CompuServe prompt. The SWREG number for QuickReport is 8644.

### **Credit Card**

We accept VISA and MasterCard. Please send or fax us the registration form with your credit card details.

### **Check and Money Order**

You can also registering by sending a check or International Money Order together with the registration form.

**Properties**

Alignment

AutoSize

Caption

AlignToBand

Color

Font

Transparent

## AfterPrint Event

### Applies to

TQRBand

### Declaration

property AfterPrint : procedure (BandPrinted : Boolean) of object

This event is called whenever the band has been printed or tried to be printed but stopped in the BeforePrint event. The BandPrinted parameter will tell if the band was actually printed or not.

**Events**

AfterPrint

BeforePrint

**Events**

OnPrint

## OnPrint Event

### Applies to

TQRLabel, TQRDBCalc, TQRDBText

### Declaration

```
event OnPrint(Sender : TObject; var Value : String)
```

Called immediately before the component is printed. The string to be printed is in the value parameter and any changes to this string will not be stored to the record. Use this event to format the data or concatenate several fields into one.

**Properties**

Alignment

AutoSize

DataSource

DataField

Font

Transparent

## Master Property

### Applies to

TQRDetailLink

### Declaration

```
property Master : TQRController;
```

The Master property is used to specify the master/detail relationship to be used during the report creation. In addition to using the Master property, the proper relationship must be set up between the tables involved. The master property can be set to a QuickReport component or another QRDdetailLink component.

**Events**

OnPrint

## Alignment Property

### Applies to

TQRDBText

### Declaration

property Alignment : (taCenter,taLeftJustify,taRightJustify)

Control alignment of the text within the control

## AutoSize Property

### Applies to

TQRDBText

### Declaration

```
property AutoSize : boolean
```

If true, the control will resize to the width needed for the caption. If False, text will be clipped at the designed rectangle.

## **DataSource Property**

### **Applies to**

TQRDBText

### **Declaration**

property DataSource : TDataSource

DataSource to pick field from

## DataField Property

### Applies to

TQRDBText

### Declaration

```
property DataField : String
```

The field to display. This can be any type of field, except a Paradox formatted memo field or blob field. If it's a regular memo the band on which the control is placed on will stretch to make room for the entire text. The text will not be split between pages, though.

## Font Property

### Applies to

TQRDBText, TQRMemo

### Declaration

property Font : TFont

Use to control the font, style and size of the text. Best results are obtained using a TrueType font. If you experience some scaling problems in the preview window change the font to one containing the TT prefix.

## Transparent Property

### Applies to

TQRDBText

### Declaration

property Transparent : Boolean

If true, text background will be transparent, i.e. any components in the background will be visible.

## PageHeight Property

### Applies to

TQuickReport

### Declaration

property PageHeight : Longint read only

The current page height, taken from the QRPrinter object. The value is always given in the same values as the screen resolution.

## **DataSource Property**

### **Applies to**

TQuickReport, TQRDetailLink,

### **Declaration**

```
property DataSource : TDataSource
```

Set the DataSource property to the datasource you print the records from. QuickReport automatically advances through this dataset and prints a set of detail bands for each record. If you don't specify a DataSource and not a OnNeedData event handler only one set of detail bands will be printed. Also see the OnNeedData event and RestartData property.

## PageWidth Property

### Applies to

TQuickReport

### Declaration

```
property PageWidth : Longint read only
```

The current page width, taken from the QRPrinter object.

## ShowProgress Property

### Applies to

TQuickReport

### Declaration

```
property ShowProgress : boolean
```

If True (Default) a progress form will appear during report preparation and printing. The progress form has a Cancel button.

## Orientation Property

### Applies to

TQuickReport

### Declaration

```
property Orientation : TPrinterOrientation
```

Selects the paper orientation. Orientation can be set to poPortrait and poLandscape. Please note that the TPrinterOrientation type is declared in the Printer unit. If you want to set this property you need to include the printer unit in your uses clause.

## TQRLabel Property Alignment

### Applies to

TQRLabel

### Declaration

property Alignment : (taRight, taLeft, taCenter)

Sets the alignment of the text within the given rectangle or QRLabel position inside a QRBand. See AlignToBand.

## TQRLabel Property AutoSize

### Applies to

TQRLabel

### Declaration

property AutoSize : Boolean

If True (Default) the component will expand horizontally to make room for the entire text. If false, the size will be fixed.

## TQRLabel Property Caption

### **Applies to**

TQRLabel

### **Declaration**

property Caption

Caption contains the actual text to be printed. This can be changed in events during report preparation.

## TQRLabel Property AlignToBand

### Applies to

TQRLabel

### Declaration

```
property AlignToBand
```

Controls the effect of the Alignment property

**True** The QRLabel component will be aligned left, centered or right inside the extents of the QRBand.

**False** Only the text inside the components will be aligned. (Default)

## TQRLabel Property Color

### Applies to

TQRLabel

### Declaration

property Color

The background color of the text. Se also the Transparent property.

## TQRLabel Property Font

### **Applies to**

TQRLabel

### **Declaration**

property Font

If you want to use another font than the default for the form or QRBand set the Font property.

### **Tip**

Best results are obtained using TrueType fonts. If you experience some scaling problems in the preview window change the font to one containing the TT prefix.

## TQRLabel Property Transparent

### Applies to

TQRLabel

### Declaration

```
property Transparent
```

If Transparent is False (default) the background of the text will be painted before the text is drawn. If Transparent is True, the background will not be painted.

**TQRLabel Event OnPrint**

**Properties**

Font

Lines

WordWrap

**Properties**

Brush

Pen

Shape

## **TQRPrinter Property PrinterOK**

Runtime and read only

PrinterOK is true if a printer driver is installed.

## Brush Property

### Applies to

TQRShape

### Declaration

property Brush : TBrush

The brush to use when drawing the shape. Se TBrush for more information.

## Height Property

**Applies to**

TQRShape

**Declaration**

```
property Height default 65;
```

## Pen Property

### Applies to

TQRShape

### Declaration

property Pen : TPen

The Pen to use for drawing the shape. Se TPen for more information

## Shape Property

### Applies to

TQRShape

### Declaration

```
Property Shape : TQRShapeType Read FShape write SetShape;
```

<b>Value</b>	<b>Meaning</b>
qrsRectangle	Draw a rectangle
qrsCircle	Draw a circle
qrsVertLine	Draw a horizontal line
qrsHorLine	Draw a vertical line
qrsTopAndBottom	Draw horizontal lines at top and bottom of the control
qrsRightAndLeft	Draw vertical lines at the right and left edges

## Width Property

Applies to

TQRShape

Declaration

**Properties**AsIntegerAsRealOperationPrintMaskResetBand

## Operation Property

### Applies to

TQRDBCalc

### Declaration

property Operation : (qrcSUM, qrcCOUNT, qrcAVERAGE, qrcMIN, qrcMAX)

Set the operation you want to perform.

qrcSUM	Calculates the sum of the field
qrcCOUNT	Counts the field
qrcAVERAGE	Calculates the average value of the field
qrcMIN	Contains the minimum value of the field
qrcMAX	Contains the maximum value of the field

## PrintMask Property

### Applies to

TQRDBCalc

### Declaration

```
property PrintMask : String
```

Use the PrintMast to format the output of the QRDBCalc component. Look up the FormatFloat procedure in Delphi help for documentation on how the PrintMask works.

## ResetGroup Property

### Applies to

TQRDBCalc

### Declaration

property ResetBand : TQRBand

The QRDBCalc will be reset after the band set in ResetBand property is printed

## AsInteger Property

### Applies to

TQRDBCalc

### Declaration

```
property AsInteger : Longint read only
```

Returns the current value of the QRDBCalc component as an Integer.

## AsReal Property

**Applies to**  
TQRDBCalc

### **Declaration**

property AsReal : real read only

Returns the current value of the QRDBCalc component as a Real.

## **TQRDetailLink Component**

[Properties](#)

[Events](#)

### **Unit**

[QuickRep](#)

### **Description**

The QRDetailLink component is used to create any type of Master/detail report. For a simple two table master detail report you would have one QuickReport component for the master and one QRDetailLink for the Detail. You would then set the Master property of the QRDetailLink component to point to the QuickReport component. The Master property can also be set to point to another QRDetailLink component in order to create a multi level master detail report. Several QRDetailLink components can have the same master, which would print them on the same level, one after the other. You can specify three bands for the QRDetailLink component, a Detail band, header band and footer band. The detail band is printed once for each record in the dataset set by the DataSource property.

Records can be filtered using the OnFilter event. The OnNeedData event can be used if you want to print data from a datasource other than a table or query.

## **Properties**

Canceled

Canvas

EnableOpenBtn

EnablePrintBtn

EnableSaveBtn

ToPage

FromPage

Orientation

Page

PageHeight

PageCount

PageNumber

PageWidth

PrinterOK

ShowProgress

Status

Title

Thumbs

## PageCount Property

### Applies to

TQuickReport

### Declaration

property PageCount : Longint read only

The total number of pages in the report. This property is not valid before the report is finished.

## Events

OnPreview

## **TQRPrinter Event OnPreview**

### **Applies to**

TQRPrinter

### **Declaration**

property OnPreview : procedure of object

Use this event if you want to display your own preview form instead of the standard included with QuickReport. Creating a custom preview is very easy using the supplied TQRCustomPreview component. See the demo program for an example on how to do this.

## Canceled Property

### Applies to

TQRPrinter

### Declaration

property Canceled : boolean

True if the Cancel method has been called. This can be used to check if users pressed a Cancel button.

## Canvas Property

**Applies to**

TQRPrinter

**Declaration**

property Canvas : TCanvas

This is the canvas you use to do your printing.

## EnableOpenBtn Property

### Applies to

TQRPrinter

### Declaration

```
property EnableOpenBtn : boolean
```

If True, the Open file button will appear on the standard preview form.

## EnablePrintBtn Property

### Applies to

TQRPrinter

### Declaration

```
property EnablePrintBtn : boolean
```

If True, the Print button will appear on the standard preview form.

## EnableSaveBtn Property

### Applies to

TQRPrinter

### Declaration

```
property EnableSaveBtn : boolean
```

If True, the Save file button will appear on the standard preview form.

## ToPage Property

### Applies to

TQRPrinter

### Declaration

```
property ToPage : integer
```

Specify the last page to be printed.

## FromPage Property

### Applies to

TQRPrinter

### Declaration

```
property FromPage : integer
```

Specify the first page to be printed.

## Orientation Property

### Applies to

TQRPrinter

### Declaration

property Orientation : TPrinterOrientation

Set to poPortrait or poLandscape to select printer orientation.

## Page Property

### Applies to

TQRPrinter

### Declaration

property Page : TMetafile read only

This is a metafile representation of the currently selected page. Status must be mpFinished for this metafile to be valid.

## PageHeight Property

### Applies to

TQRPrinter

### Declaration

```
property PageHeight : integer read only
```

The current page height in pixels.

## PageCount Property

### Applies to

TQRPrinter

### Declaration

property PageCount : Integer read only

Total number of pages sent to the QRPrinter in the current print job.

## PageNumber Property

### Applies to

TQRPrinter

### Declaration

```
property PageNumber : integer
```

Select the page you want QRPrinter to make available for viewing or copying to clipboard. The Status property must be mpFinished.

## PageWidth Property

### Applies to

TQRPrinter

### Declaration

```
property PageWidth : integer read only
```

The current page width in pixels.

## ShowProgress Property

### Applies to

TQRPrinter

### Declaration

```
property ShowProgress : boolean
```

If true a progress form will appear indicating the progress of printing, saving and loading. The form has a Cancel button and the Cancelled property will be set to true if the user presses this button.

## Status Property

### Applies to

TQRPrinter

### Declaration

property Status : TQRPrinterStatus read only

Indicates the current QRPrinter status. It can be one of the following:

<b>Value</b>	<b>Meaning</b>
mpReady	QRPrinter is ready to accept a new print job
mpBusy	A print job is currently being recorded
mpFinnished	The print job has been ended
mpPrinting	QRPrinter is sending a job to the printer
mpPreviewing	A preview is currently active

## **Title Property**

### **Applies to**

TQRPrinter

### **Declaration**

property Title : String

The current print job title. This title will appear in the print manager and in any network print queue.

## Thumbs Property

### Applies to

TQRPrinter

### Declaration

```
property Thumbs : integer
```

QRPrinter can print several scaled down images of pages on each sheet of paper. If you set Thumbs to two QRPrinter will print two by two images, if you set it to three, three by three images will be printed and so on.

**Properties**

PageNumber

Zoom

**Events**

Show

**TQRPreview event Show**

**Methods**

BeginDoc

Cancel

Cleanup

EndDoc

Load

NewPage

Preview

Print

Save

## **BeginDoc Procedure**

### **Applies to**

TQRPrinter

### **Declaration**

procedure BeginDoc

Start a new print job. This sets the Status property to mpBusy.

## Cancel Procedure

### Applies to

TQRPrinter

### Declaration

procedure Cancel

Cancel the current print job. This sets the Status property to mbReady

## Cleanup Procedure

### Applies to

TQRPrinter

### Declaration

procedure Cleanup

After you are finished with the current print job this command will free all pages from memory. This sets the Status property to mpReady.

## EndDoc Procedure

### Applies to

TQRPrinter

### Declaration

procedure EndDoc

Tells QRPrinter that the you are finished sending commands to the canvas. This sets the Status property to mpFinished.

## Load Procedure

### Applies to

TQRPrinter

### Declaration

```
procedure Load(Filename : String)
```

Loads a previously saved printout from a file.

## NewPage Procedure

### Applies to

TQRPrinter

### Declaration

procedure NewPage

Tells QRPrinter to start printing a new page. The current page is kept in memory and a new one is created. Page number is increased by one. This requires the Status property to be mpBusy.

## Preview Procedure

### Applies to

TQRPrinter

### Declaration

procedure Preview

This brings up print preview. It requires the Status property to be mbFinished. If you have assigned an event handler to the OnPreview event this gets called and nothing else is done.

## **Print Procedure**

### **Applies to**

TQRPrinter

### **Declaration**

procedure Print

This prints the current report. It requires the Status property to be mpFinished.

## Save Procedure

### Applies to

TQRPrinter

### Declaration

```
procedure Save(Filename : String)
```

This saves the current report to a file. The Status property must be mpFinished. The file format is a QuickReport internal format. Documentation for this will be released later.

## QuickReport version 1.0 Registration Form

---

Date

---

Company

---

Contact

---

Postal address

---

zip/city

---

Country

---

E-mail address

---

Signature

Registration fee is US \$79.

Fill out the above registration form and send it to :

QSD AS  
Radhusgaten 9  
N-0151 Oslo  
Norway

**Properties**

DataField

DataSource

FooterBand

HeaderBand

Level

GroupData

## Events

OnNeedData

## **DataSource Property**

### **Applies to**

TQRGroup

### **Declaration**

property DataSource : TDataSource

Select the datasource you want to connect this group to.

## DataField Property

### Applies to

TQRGroup

### Declaration

```
property DataField : String
```

Select the data field you want to connect this group to. The group will reprint when the value of Datafield change or a higher level group is reprinted.

## FooterBand Property

### Applies to

TQRGroup

### Declaration

Property FooterBand : TQRBand

Select a band to be printed as this groups footer band.

## HeaderBand Property

### Applies to

TQRGroup

### Declaration

Property HeaderBand : TQRBand

Selects a band to be printed as this groups header band.

## Level Property

### Applies to

TQRGroup

### Declaration

Property Level : Integer

This group's level. The outer (highest) level is 0, the inner (lowest) level is 9.

## OnNeedData Event

### Applies to

TQRGroup

### Declaration

Property OnNeedData : procedure (var Value : String) of object

The QRGroup.OnNeedData event can be used to alter the way groups break by changing the Value parameter. The current value of the connected datafield is send in this parameter and it can be changed in any ways. As an example you could connect the group to a Name field, then use the following line to make the group break every time the first letter of the name changes:

```
Value:=copy(value,1,1);
```

## Methods

## GroupData Property

### Applies to

TQRGroup

### Declaration

Property GroupData : String

**Events**

OnPrint

**TQRSysData event OnPrint**

## **AutoSize Property**

**Applies to**

TQRSysData

**Declaration**

## **Color Property**

**Applies to**

TQRSysData

**Declaration**

## Data Property

### Applies to

TQRSysData

### Declaration

property Data : TQRSysDataType

The Data property decides what information the component will display.

<b>Value</b>	<b>Meaning</b>
qrsTime	Current time in the format HH:MM
qrsDate	Current date in the format set by the global ShortDateFormat variable
qrsDateTime	Current date and time separated by a comma
qrsPageNumber	The current page number
qrsReportTitle	The report title as it appears in the TQuickReport.ReportTitle property
qrsDetailCount	Total number of records to be printed in report
qrsDetailNo	Current record number to be printed

## Font Property

Applies to

TQRSysData

Declaration

## **Text Property**

### **Applies to**

TQRSysData

### **Declaration**

```
property Text : String
```

The Text property is printed as a caption before the actual system data.

## **Transparent Property**

**Applies to**

TQRSysData

**Declaration**

## AfterPrint Event

### Applies to

TQuickReport

### Declaration

```
property AfterPrint : TNotifyEvent
```

The AfterPrint event is called when the report is prepared and sent to the QRPrinter object.

## BeforeDetail Event

### Applies to

TQuickReport

### Declaration

**property** BeforeDetail : TNotifyEvent

The BeforeDetail event is called before the detail bands for a record are printed.

## AfterDetail Event

### Applies to

TQuickReport

### Declaration

**property** AfterDetail : TNotifyEvent

The AfterDetail event is called after the detail bands for one record are printed.

## **Print Method**

### **Applies to**

TQuickReport

### **Declaration**

procedure Print

This event prepares and prints the report.

## **TQRCustomControl**

[Properties](#)

[Methods](#)

### **Unit**

[QuickRep](#)

### **Description**

The QRCustomControl component is the base class for all printable QuickReport components. If you want to create your own printable components you should make them children of this class. QRCustomControl has two virtual methods you might override.

## BandType Property

### Applies to

TQRBand

### Declaration

property BandType : TQRBandType

BandType selects when this band will be printed. Some bands are printed automatically by QuickReport, while others must be connected to a QRDetailLink or QRGroup component to be printed.

Use the 'Bring to Front' and 'Send to Back' menu items to control printing order for bands of the same type

Value	Meaning
<b>rbTitle</b>	This band is printed automatically once at the start of the report. The QuickReport. <u>TitleBeforeHeader</u> property decides if the PageHeader or Title band will appear first.
<b>rbPageHeader</b>	Page header bands appear automatically on top of each page. The QuickReport.TitleBeforeHeader property decides which band will be printed first on the first page. You can have as many Page header bands you want.
<b>rbDetail</b>	The Detail band gets printed once for every record in your dataset. If you design a master/detail report using the QRDetailLink component this band will be the detail band for your master table. You can have as many detail bands you want.
<b>rbSubDetail</b>	If you create a master/detail report using the QRDetailLink component then this band will be the Detail band for your Detail Table(s). You must connect the DetailGroup band to the DetailLink component using the QRDetailLink.DetailBand property.
<b>rbPageFooter</b>	This band is printed automatically at the bottom of every page.
<b>rbSummary</b>	The Summary band is printed automatically on the last page of the report, after all detail bands and group footers.
<b>rbGroupHeader</b>	<b>Group Header bands are used as group headers for QRGroup and QRDetailLink components. They must be connected to such a component to be printed.</b>
<b>rbGroupFooter</b>	<b>Group footers are used as footers for QRGroup and QRDetailLink components. They must be connected to such a component to be printed</b>
<b>rbColumnHeader</b>	If you print a multi column report this band will be printed on top of each column.
<b>rbOverlay</b>	If you want some static text or graphic to be printed on every page of your reports then you can use the rbOverlay band. This band will be printed once on each page and it overlay all other text and graphic printed on the page.

## **QuickReport Technical support**

Users of the 32 bit version of QuickReport included in Delphi 2.0 is provided by Borland. Please call their technical support staff for questions. Users who have ordered the 16 bit version or source code can get technical support by contacting QSD directly.

You can also visit our WWW based QuickReport forum which you will find at <http://www.qsd.no>.

## Color Property

### Applies to

TQRBand

### Declaration

property Color

Sets the background color of the band.

## Enabled Property

### Applies to

TQRBand

### Declaration

property Enabled : Boolean

Enables and disables the printing of this band. If this property is false the BeforePrint and AfterPrint events will be skipped. You can change this property during report progress, for instance to print different detail bands depending on the type of data to print.

## Font Property

### Applies to

TQRBand

### Declaration

property Font

The default font for the band. Use a True Type font to ensure that QuickReport is able to scale the font properly during preview.

## ForceNewPage Property

### Applies to

TQRBand

### Declaration

property ForceNewPage : Boolean

If you set this property to True, a page break will always be performed before this band is printed.

## Frame Property

### Applies to

TQRBand

### Declaration

property Frame : TPen

Sets the pen to be used as a frame around the band. The default pen with is 0, so no frame is drawn.

## Ruler Property

### Applies to

TQRBand

### Declaration

property Ruler : TQRuler

This property will tell QuickReport to display a ruler in the background of the band during design time. This will help you position the controls on the bands. One of the following values can be set:

<b>Value</b>	<b>Meaning</b>
<b>qrrNone</b>	No ruler is displayed
<b>qrrInchesH</b>	Horizontal ruler lines every inch
<b>qrrInchesV</b>	Vertical ruler lines every inch
<b>qrrInchesHV</b>	Horizontal and vertical ruler lines every inch
<b>qrrCmH</b>	Horizontal rulers every centimetre
<b>qrrCmV</b>	Vertical ruler lines every centimetre
<b>qrrCmHV</b>	Horizontal and vertical ruler lines every centimetre

## BeforePrint Event

### Applies to

TQRBand

### Declaration

```
property BeforePrint : procedure (var PrintBand : Boolean) of object
```

The BeforePrint event is called before the band is about to be printed. You can set the PrintBand parameter to false if you want the band to be skipped for this time.

## BeforePrint Event

### Applies to

TQuickReport

### Declaration

```
property BeforePrint : procedure (var PrintReport : Boolean) of object
```

The BeforePrint event is called before the report is prepared. Set the PrintReport parameter to false to cancel printing of the report.

## OnEndPage Event

### Applies to

TQuickReport

### Declaration

```
property OnEndPage : TNotifyEvent
```

The OnEndPage event is called whenever a page brake is about to be performed.

## OnNeedData Event

### Applies to

TQuickReport

### Declaration

```
property OnNeedData : procedure (var MoreData : Boolean) of object
```

The OnNeedData event is used if you want to print a report of data not coming from a regular DataSource, but from arrays, variables, text files or whatever you like. If you leave the DataSource property blank and instead write an OnNeedData event handler this handler gets called whenever QuickReport is going to print a new set of detail bands. Set the MoreData parameter to false when you are printing the last set of data.

## OnStartPage Event

### Applies to

TQuickReport

### Declaration

```
property OnStartPage : TNotifyEvent
```

The OnStartPage event is called whenever a new page is started.

## PageNumber Property

### Applies to

TQuickReport

### Declaration

```
property PageNumber : Longint read only
```

The current page number. This property can be access in events during report preparation.

## RecordCount Property

### Applies to

TQuickReport

### Declaration

property RecordCount : Longint read only

The total number of records in the master dataset. See also the SQLCompatible property.

## RecordNo Property

### Applies to

TQuickReport

### Declaration

```
property RecordNo : longint read only
```

The current record in the dataset. This property always reflect the record number in the master table..

## DisplayPrintDialog Property

### Applies to

TQuickReport

### Declaration

```
property DisplayPrintDialog : Boolean
```

If DisplayPrintDialog is set to True a print dialogue will appear before the report is printed. This dialogue will let the user select printer, pages to print and print to file. Please note that the PrinterDialog is not automatically displayed if the user presses the print button in the standard preview, even if this property is set to True.

## Colomns Property

### Applies to

TQuickReport

### Declaration

property Columns : integer

The Columns property can be used to print multi column mailing labels or phone directory style reports. Also see the QRBand.BandType=rbColumnHeader for creating column heading bands.

## LeftMarginInches Property

### Applies to

TQuickReport

### Declaration

```
property LeftMarginInches : Longint
```

The left margin in 1/10<sup>th</sup> inches, not including the space wasted by the printer

## LeftMarginMM Property

### Applies to

TQuickReport

### Declaration

```
property LeftMarginMM : Longint
```

The left margin in millimetres, not including the space wasted by the printer

## PrintOrder Property

### Applies to

TQuickReport

### Declaration

```
property PrintOrder : (ColByCol, RowByRow)
```

PrintOrder is used to set how the text will flow on a multi column report. Text can be printed column by column or row by row.

*Note - RowByRow will be ignored in version 0.96 of QuickReport*

## ReportTitle Property

### Applies to

TQuickReport

### Declaration

```
property ReportTitle : String
```

The ReportTitle will appear in the Print Manager and in any network printing queue. It will also be printed wherever you have used a TQRSysData component set to display ReportTitle.

## ReportType Property

### Applies to

TQuickReport

### Declaration

```
property ReportType : (qrStandard, qrMasterDetail)
```

Set ReportType to qrMasterDetail if you want QuickReport to print the detail tables you have linked using the QRDetailLink component.

<b>Value</b>	<b>Meaning</b>
qrStandard	Standard report listing from a table or query
qrSingleDetail	??
qrMasterDetail	Master detail using QRDetailLink components.

## RestartData Property

### Applies to

TQuickReport

### Declaration

property RestartData : Boolean

If True (default) QuickReport will move to the first record in the dataset before printing starts. If False, printing will start at the current record.

## SQLCompatible Property

### Applies to

TQuickReport

### Declaration

```
property SQLCompatible : boolean
```

Not all Databases support the RecordCount function. If you get a BDE error message saying 'function not supported' try setting the SQLCompatible to True.

## TitleBeforeHeader Property

### Applies to

TQuickReport

### Declaration

```
property TitleBeforeHeader : boolean
```

If False (Default) the page header will be printed before the Title band on the first page. You can reverse this by setting the TitleBeforeHeader property to True.

## **Methods**

Print

Stretch

## Print Method

### Applies to

TQRCustomControl

### Declaration

```
procedure Print(X,Y : Integer); virtual
```

The Print method prints the component to the QRPrinter object at the given position. The default print method prints the text of the protected Caption property. If you want another behaviour you will need to override this method.

## **TQRCustomControl Stretch**

### **Applies to**

TQRCustomControl

### **Declaration**

```
procedure Stretch(var size : Integer); virtual
```

If your component will resize itself vertically at printing time, like a stretching memo field you must return the new component height with this method. If your component will have a static size you won't use this method.

**Properties**AutoSizeHeightLeftTopVisibleWidth

## AutoSize Property

### Applies to

TQRCustomControl

### Declaration

```
property AutoSize
```

## Height Property

### Applies to

TQRCustomControl

### Declaration

property height

The height of the control in pixels.

## Left Property

### Applies to

TQRCustomControl

### Declaration

Property Left

The left horizontal position of the control in pixels, counting from the left margin.

## Top Property

### Applies to

TQRCustomControl

### Declaration

property Top

The vertical position of the control within the band it is printed on.

## Visible Property

### Applies to

TQRCustomControl

### Declaration

property Visible

If True (default) the control is printed. If False, the control is not printed.

## Width Property

### Applies to

TQRCustomControl

### Declaration

```
property width
```

The width of the control in pixels.

**Properties**

DataSource

DetailBand

FooterBand

HeaderBand

Master

PrintBefore

## **DataSource Property**

### **Applies to**

TQRDetailLink

### **Declaration**

property DataSource : TDataSource

The datasource to connect this QRDetailLink to

## DetailBand Property

### Applies to

TQRDetailLink

### Declaration

```
property DetailBand : TQRBand
```

The band to use as this QRDetailLink's Detail band. It is printed for every record in the detail table matching with the current master record, provided you have set up the master/detail relationship correctly of course. See the Delphi manuals for help on how to do this if you are unsure.

## FooterBand Property

### Applies to

TQRDetailLink

### Declaration

property FooterBand : TQRBand

The band to use as this QRDetailLink's footer band. The footer band is printed after all detail records for the current master record.

## HeaderBand Property

### Applies to

TQRDetailLink

### Declaration

property HeaderBand : TQRBand

The band to use as this QRDetailLink's Detail band

Events

OnFilter

OnNeedData

## OnNeedData Event

### Applies to

TQRDetailLink

### Declaration

Property OnNeedData : procedure (var MoreData : Boolean) of object

If you want to print from an array or some other source except a DataSource you can use the OnNeedData event to retrieve the information. See the QuickReport.OnNeedData event for a more in depth explanation on this.

## Lines Property

### Applies to

TQRMemo

### Declaration

```
property Lines : TStringList
```

The lines property is used to store the text being displayed in the QRMemo control. It can be manipulated at run time through the methods of a TStringList.

## Methods

ZoomToWidth

ZoomToFit

## **ZoomToWidth Method**

### **Applies to**

TQRPreview

### **Declaration**

```
procedure ZoomToWidth;
```

Zooms the preview so the page fits exactly in the component width.

## **ZoomToFit Method**

### **Applies to**

TQRPreview

### **Declaration**

procedure ZoomToFit

Zooms the preview so the entire page fits on the preview control

## PageNumber Property

### Applies to

TQRLabel

### Description

property PageNumber : Integer

The PageNumber property is used to set what page you want to show in the preview. Chaning this property changes the current preview page.

## LinkBand property

### Applies to

TQRBand

### Declaration

```
property LinkBand : TQRBand;
```

The LinkBand property is used to make sure two or more bands always are printed on the same page. You should always connect this to the NEXT band, not to the previous. Several bands can be linked in a chain. If there isn't enough room for all the linked bands on the page, a page break will be performed.

## PrintBefore Property

### Applies to

TQRDetailLink

### Declaration

```
property PrintBefore : Boolean;
```

If False (default) the detail table will be printed after the detail bands of the Master controller, if any. If set to True, the detail table will be printed before the master table's detail band.

## OnFilter event

### Applies to

TQRDetailLink

### Declaration

Property OnFilter : procedure (var PrintRecord : Boolean) of object

The OnFilter event can be used for local filtering of records during report preparation. You can check the contents of the data and set the PrintRecord parameter to false if you don't want the record to be printed.

TQRDBText Property Lines

## WordWrap property

### Applies to

TQRMemo

### Declaration

```
property WordWrap : Boolean
```

If the WordWrap property is true, lines will be wrapped to fit the width of the control. If False, lines will not be wrapped.

## Zoom Property

### Applies to

TQRLabel

### Description

property Zoom : Integer

Sets the current zoom level in percent.



