TExtraDevices for ReportBuilder 2.96

TExtraDevices for ReportBuilder

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Introduction

Welcome to TExtraDevices! Once installed, you can easily export your reports
to Lotus, Quattro, Excel, Bitmap, JPEG, HTML, XHTML, PDF, TIF, RTF and Dot
Matrix formats.

The devices have been developed to be as simple to use as possible. For
most reports and devices no report modifications are necessary. Just drop
one component on the main form and all reports in your project will have
the new formats available.

Features:
No external libraries or dll's needed
No runtime license fees
Full source is included with registered version
Drop one component on your main form and every report in your project has the ability to export!
Export reports to HTML, XHTML, RTF, PDF, XLS, BMP, JPEG, TIFF, WMF, WQ1, WK1 & Dot Matrix
Send reports directly to memory streams (Great for web apps!)
Select which report objects to export to each device
Control which formats are available at design/runtime
Free upgrades
Works with Delphi 3, 4, 5, 6, 7 & 2005
Works with all ReportBuilder versions 5.51 & later

Purchasing

The full version can be purchased online via the Internet registration service ShareIt.

TExtraDevices - Single Developer License   http://shareit1.element5.com/checkout.html?productid=138485
TExtraDevices - Two Developer License   http://shareit1.element5.com/checkout.html?productid=138395
TExtraDevices - Three Developer License   http://shareit1.element5.com/checkout.html?productid=138487
TExtraDevices - Site License   http://shareit1.element5.com/checkout.html?productid=138488

Support

Support is provided via email at support@waler.com. We try to answer all support requests within 24 hours.

FAQs can be found on the web at www.waler.com/textradevices_faq.htm

Support

For support of all products, please contact:

support@waler.com

Please include what product you are using, your Delphi version and a short description of your problem.
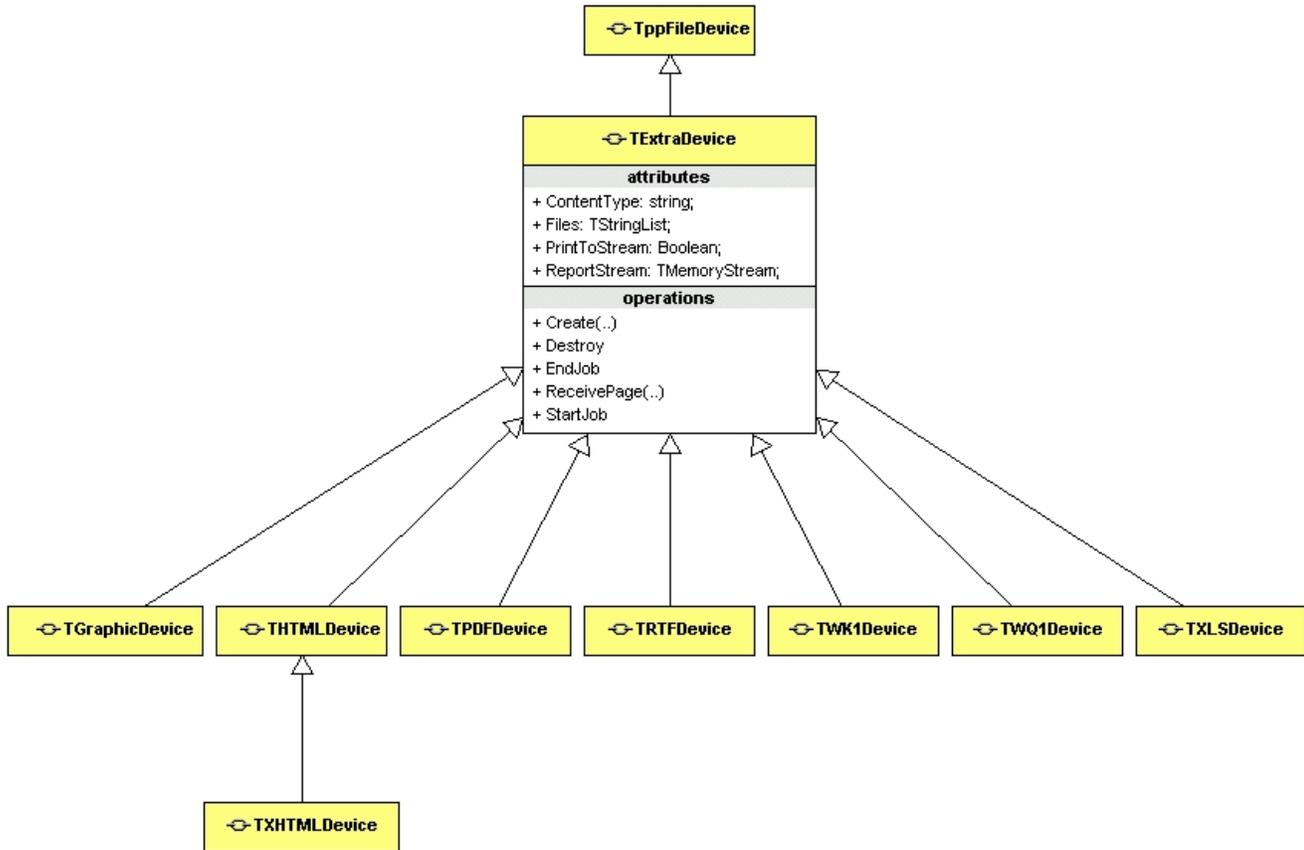For ReportBuilder users, if the issue is related to a certain report, please include the report as a ReportBuilder "print to archive" file.

Most questions are answered within 24 hours

Thank you

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Class Name

Class Name	DeviceName	Description
TWK1Device	LotusFile	Creates files that are in the Lotus 123 WK1 format
TWQ1Device	QuattroFile	Creates files that are in the Quattro WQ1 format
TXLSDevice	ExcelFile	Creates files that are in the Excel XLS format
TGraphicDevice	GraphicFile	Creates files that are in Bitmap, JPEG, WMF & TIFF format
THTMLDevice	HTMLFile	Creates files that are in HTML format
TXHTMLDevice	XHTMLFile	Creates files that are in XHTML format. This is a XML standard version of HTML
TRTFDevice	RTFFile	Creates files that are in rich text RTF format
TPDFDevice	PDFFile	Creates files that are in Adobe PDF format
TDotMatrixDevice	PrinterFile	Creates files & direct output that is optimized for fast dot matrix printing

Exporting to Email

Example of emailing a PDF file using the DeviceExportToMail function:

```
TExtraDevicesFormat = (edfHTML, edfPDF, edfRTF, edfXLS, edfWK1, edfBMP, edfJPEG, edfTIFF,
edfWQ1, edfPRN, edfXHTML);

use
  TXRB;

procedure TForm1.Button1Click(Sender: TObject);
begin
  DeviceExportToMail(Rpt, edfPDF, 'c:\test.pdf', 'smtp.host.com', 'from@me.com',
'to@user.com', 'This is a test subject', 'Message body text', 'username', 'password');
end;
```

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Exporting to Streams

Example of exporting a PDF file to a stream using PrintToDevices:

```
procedure TForm1.Button1Click(Sender: TObject);
var
  HD: TPDFDevice;
  MS: TMemoryStream;
begin
  MS := TMemoryStream.Create;
  HD := TPDFDevice.Create(Self);
  HD.PrintToStream := True;
  HD.ReportStream := MS;
  HD.Publisher := Rpt.Publisher;
  Rpt.PrintToDevices;

  // At this point MS now contains the contents of the report!

  MS.Free;
  HD.Free;
end;
```

Example of exporting a PDF file to a stream using DeviceExportToStream function:

```
TExtraDevicesFormat = (edfHTML, edfPDF, edfRTF, edfXLS, edfWK1, edfBMP, edfJPEG, edfTIFF,
edfWQ1, edfPRN, edfXHTML);

use
  TXRB;

procedure TForm1.Button1Click(Sender: TObject);
var
  MS: TMemoryStream;
begin
  MS := TMemoryStream.Create;
  DeviceExportToStream(Rpt, edfPDF, MS);

 // At this point MS now contains the contents of the report!

  MS.Free;
end;
```

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Recompiling the Package

Based on the version of RB that you are using, you may need to recompile the package.

Here are the steps necessary to do this:

- Open xtradev#.dpk in the install directory of the Delphi version you are using. For example, if you have Delphi 6 then open xtradev6.dpk in {installdir}\DELPHI6\SOURCE
- Remove the rbRCLxx package from the project.
- Click Compile.
- Delphi will prompt you to add the correct RB package. Click OK.
- Copy all files from the {installdir}\DELPHI6\SOURCE directory to the {installdir}\DELPHI6\LIB directory.

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Single Line Functions

The TXRB unit contains functions that allows you to create file, streams and email with only one line of code.

Just include the TXRB unit in your uses and you can use the following functions:

```
procedure DeviceExportToStream(Report: TppReport; DeviceFormat: TExtraDevicesFormat;
Stream: TMemoryStream);

procedure Device ExportToFile(Report: TppReport; DeviceFormat: TExtraDevicesFormat;
TgtFile: String);

procedure Device ExportToMail(Report: TppReport; DeviceFormat: TExtraDevicesFormat;
FileName, Host, FromAddr, ToAddr, Subject, MsgBody, User, Pass: String);
```

Each of these functions accept the format defined by the following set:

```
TExtraDevicesFormat = (edfHTML, edfPDF, edfRTF, edfXLS, edfWK1, edfBMP, edfJPEG, edfTIFF,
edfWQ1, edfPRN, edfXHTML);
```

The following sections give examples of using each of these functions

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Using the Devices

After installing the package, a new component called TExtraOptions will appear on the ReportBuilder tab. Drop one of these on your main form of your application and all reports within the entire application will be able to export to the new formats.

Note: You must set the AllowPrintToFile property of the TppReport component to True

Examples:

Allowing the user to select the export format in the print dialog:

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  Report1.AllowPrintToFile := True;
  Report1.TextFileName := 'TEST.PDF';
  Report1.DeviceType   := 'PDFFile';
  Report1.Print;
end;
```

Select the default device in the print dialog:

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  Report1.AllowPrintToFile := True;
  Report1.TextFileName := 'TEST.PDF';
  Report1.DeviceType   := 'PDFFile';
  Report1.Print;
end;
```

Select the device and create the file without showing a dialog:

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  Report1.AllowPrintToFile := True;
  Report1.ShowPrintDialog := False;
  Report1.TextFileName := 'TEST.PDF';
  Report1.DeviceType   := 'PDFFile';
  Report1.Print;
end;
```

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Web Server Applications

Example of sending a report to a browser using only a stream:

The following code will send a PDF file to a browser using only a stream:

```
procedure TWebModule1.WebModule1WebActionItem1Action(Sender: TObject; Request:
TWebRequest;
 Response: TWebResponse; var Handled: Boolean);
var
  HD: TPDFDevice;
  MS: TMemoryStream;
begin
  MS := TMemoryStream.Create;
  HD := TPDFDevice.Create(Self);
  HD.PrintToStream := True;
  HD.ReportStream := MS;
  HD.Publisher := Rpt.Publisher;
  Rpt.PrintToDevices;
  Response.ContentType := HD.ContentType;
  Response.ContentStream := MS;
  Response.SendResponse;
  HD.Free;
end;
```

How do I create HTML reports on a server and send the results back to a user?

In your web server application do the following:

1 .Set the DeviceName to HTMLFile
2. Set the TextFileName to a unique session id (i.e. serverpath\reports\xxxx.htm where xxx is replaced with a session id
3. Set the UseTextFileName property to True of the HTML device.
This will create all HTML & Images files prefixed with the content of TextFileName.
So it could be Rpt.TextFileName := 'sessionid.htm';
Then the device will create files called sessionid0001.htm, sessionid0001.jpg, etc.
4. Print the report & send it back to the browser
5. When you kill the session just delete sessionid*.* from the server.

Exporting to Files

Example of exporting to a PDF file without using the DeviceExportToFile function:

```
procedure TForm1.Button1Click(Sender: TObject);
begin
   Rpt.AllowPrintToFile := True;
   Rpt.ShowPrintDialog := False;
   Rpt.TextFileName := 'TEST.PDF';
   Rpt.DeviceType   := 'PDFFile';
   Rpt.Print;
end;
```

Example of printing a PDF file to a stream using DeviceExportToFile function:

```
TExtraDevicesFormat = (edfHTML, edfPDF, edfRTF, edfXLS, edfWK1, edfBMP, edfJPEG, edfTIFF,
edfWQ1, edfPRN, edfXHTML);

use
  TXRB;

procedure TForm1.Button1Click(Sender: TObject);
begin
  DeviceExportToFile(Rpt, edfPDF, 'c:\test.pdf');
end;
```

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Class Reference - THTMLControlOptions

HTML Device Control Object

Property	Type	Description
Author	String	Document property - author of the document
BackLink	String	String to use for HTML navigation link to prior page. Default is <<
BaseURL	String	Specify base URL used for all generated links i.e. http://www.waler.com/ be sure to include the trailing slash
Charset	String	Document property - Charset of the document. If you wish to override the users default text encoding, specify the ISO charset
Description	String	Document property - description of the document
ExternalStyleSheet	String	External Style Sheet - Enter the external file name that contains the style elements
ForwardLink	String	String to use for HTML navigation link to next page. Default is >>
InlineStyleSheet	String	Inline Style Elements - If you need to change certain style properties but do not want to have an external file
ItemsToExport	TReportExportItems	User selectable items to export
Keywords	String	Document property - keywords of the document
PixelFormat	TPixelFormat	Pixel format of all images created by the device
ShowLinks	Boolean	Control display of HTML navigation links
SingleFileOutput	Boolean	Create a single file as output instead of one file for every page
UseTextFileName	Boolean	Forces device to use TextFileName property and append page number default is False and the file will be placed in the directory specified by TextFileName and the actual file name will be RPTxxxx.HTM
Visible	Boolean	Controls display of Device in Print To File Setup
ZoomableImages	Boolean	Allows the creation of thumbnails in the main report, but when the user clicks the image, the full resolution image will be displayed

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Class Reference - TXHTMLControlOptions

XHTML Device Control Object

Property	Type	Description
Author	String	Document property - author of the document
BackLink	String	String to use for HTML navigation link to prior page. Default is <<
BaseURL	String	Specify base URL used for all generated links i.e. http://www.waler.com/ be sure to include the trailing slash
Charset	String	Document property - Charset of the document. If you wish to override the users default text encoding, epecify the ISO charset
Description	String	Document property - description of the document
ExternalStyleSheet	String	External Style Sheet - Enter the external file name that contains the style elements
ForwardLink	String	String to use for HTML navigation link to next page. Default is >>
InlineStyleSheet	String	Inline Style Elements - If you need to change certain style properties but do not want to have an external file
ItemsToExport	TReportExportItems	User selectable items to export
Keywords	String	Document property - keywords of the document
PixelFormat	TPixelFormat	Pixel format of all images created by the device
ShowLinks	Boolean	Control display of HTML navigation links
SingleFileOutput	Boolean	Create a single file as output instead of one file for every page
UseTextFileName	Boolean	Forces device to use TextFileName property and append page number default is False and the file will be placed in the directory specified by TextFileName and the actual file name will be RPTxxxx.HTM
Visible	Boolean	Controls display of Device in Print To File Setup
ZoomableImages	Boolean	Allows the creation of thumbnails in the main report, but when the user clicks the image, the full resolution image will be displayed

Class Reference - TRTFControlOptions

RTF Device Control Object

Property	Type	Description
ItemsToExport	TReportExportItems	User selectable items to export
PixelFormat	TPixelFormat	Pixel format of all images created by the device
PixelsPerInch	Integer	Pixels per inch for all images created by the device (i.e. DPI)
RichTextAsImage	Boolean	When true, all richtext will be written as images. This allows most richtext to be produced in the PDF file, but it will not look as sharp when printed
UseTextBox	Boolean	When true, all richtext objects will be created within a RTF text box. This results in better control rendering but not all RTF readers support textbox objects
Visible	Boolean	Controls display of Device in Print To File Setup

Class Reference - TWK1ControlOptions

Lotus WK1 Device Control Object

Property	Type	Description
ColSpacing	Integer	Specifies the logical width of column breaks. Setting this to a smaller value will cause moe column breaks in the file. The default is 16934. The value is specified in thousandths of a millimeter.
ItemsToExport	TReportExportItems	User selectable items to export
Visible	Boolean	Controls display of Device in Print To File Setup

Class Reference - TWQ1ControlOptions

Quattro WQ1 Device Control Object

Property	Type	Description
ColSpacing	Integer	Specifies the logical width of column breaks. Setting this to a smaller value will cause moe column breaks in the file. The default is 16934. The value is specified in thousandths of a millimeter.
ItemsToExport	TReportExportItems	User selectable items to export
Visible	Boolean	Controls display of Device in Print To File Setup

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Class Reference - TXLSControlOptions

Excel XLS Device Control Object

Property	Type	Description
AutoConvertToNumber	Boolean	ReportBuilder transfers all report objects as text to the device. In order to use the exported items in Excel as numbers in formulas, etc. the device must determine if the object's text is valid and then export it as a number. If you want all items to export as text, set this to false.
ColSpacing	Integer	Specifies the logical width of column breaks. Setting this to a smaller value will cause moe column breaks in the file. The default is 16934. The value is specified in thousandths of a millimeter.
FormatChars	String	When converting numeric report items to Excel all non-numeric fields are normally stripped from the item. If you have special characters that you would like to retain, add them to FormatChars. For example, FormatChars := '%$' will retain % and $ in the format
ItemsToExport	TReportExportItems	User selectable items to export
RowSizing	Boolean	When true, the device will force row heights to be written to the file
Visible	Boolean	Controls display of Device in Print To File Setup

Class Reference - TPDFControlOptions

Adobe PDF Device Control Object

Property	Type	Description
Author	String	Document property - author of the document
AutoEmbedFonts	Boolean	Forces device to embed all Non-Latin TrueType fonts in the PDF File
CompressImages	Boolean	When true, all image streams will be compressed using ZLIB
Creator	String	Document property - Creator of the document
FastCompression	Boolean	When true, fast compression will be used for all ZLIB operations. This will speed up document creation but increase the size of the document
FontsToEmbed	TStrings	Forces device to embed all TrueType fonts in the PDF File
ImageFormat	TReportImageFormat	Set the image format to use for all graphics inside the file
ItemsToExport	TReportExportItems	User selectable items to export
Keywords	String	Document property - keywords of the document
OwnerPassword	String	If using permissions, this is the Owner password written to the PDF file
Permissions	TPDFPermissions	Permissions control the user options while viewing (Print, Modify, Copy, etc.)
PixelFormat	TPixelFormat	Pixel format of all images created by the device
PixelsPerInch	Integer	Pixels per inch for all images created by the device (i.e. DPI)
RichEditPixelFormat	TPixelFormat	Pixel format of RichEdit objects when RichTextAsImage = True
RichTextAsImage	Boolean	When true, all richtext will be written as images. This allows most richtext to be produced in the PDF file, but it will not look as sharp when printed
ScaleImages	Boolean	When true, all images will be written at screen resolution. To improve image quality, set this to false
Subject	String	Document property - subject of the document
Title	String	Document property - title of the document
UserPassword	String	If using permissions, this is the User password written to the PDF file
ViewerPreferences	TPDFViewerPreferences	Viewer Preferences control the Acrobat Reader UI
Visible	Boolean	Controls display of Device in Print To File Setup

Class Reference - TGraphicControlOptions

Graphic Device Control Object

Property	Type	Description
GrayScale	Boolean	Create grayscale images instead of color for JPEG & TIFF formats
ItemsToExport	TReportExportItems	User selectable items to export
PixelFormat	TPixelFormat	Pixel format of all images created by the device
PixelsPerInch	Integer	Pixels per inch for all images created by the device (i.e. DPI)
UseTextFileName	Boolean	Forces device to use TextFileName property and append page number default is False and the file will be placed in the directory specified by TextFileName and the actual file name will be RPTxxxx.BMP
Visible	Boolean	Controls display of Device in Print To File Setup

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Class Reference - TPRNControlOptions

Dot Matrix Device Control Object

Property	Type	Description
CharsPerInch	TPRNCharSpacing	Sets the character spacing used for all translations
ContinousPaper	Boolean	When set to true, no page breaks will be generated
ItemsToExport	TReportExportItems	User selectable items to export
LinesPerInch	TPRNLineSpacing	Sets the line spacing used for all translations
Port	String	Sets the destination port for the report i.e. LPT1:, LPT2:, etc.
PrinterType	TReportPrinterType	Set model of matrix printer to control the escape language used
Visible	Boolean	Controls display of Device in Print To File Setup

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History

Version: 2.96   **Released: 2/14/2005**

PDF - Fixed Richtext rendering in pf24bit
RTF - Fixed Richtext rendering in pf24bit

Version: 2.95   **Released: 2/8/2005**

PDF - Fixed RichText rendering as plain text on Win98
PRN - Fixed spacing for 15CPI

Version: 2.94   **Released: 1/26/2005**

PRN - Fixed export of Dot Matrix device

Version: 2.93   **Released: 1/20/2005**

Fixed problem with PDF images
Fixed problem with FontsToEmbed

Version: 2.92   **Released: 12/22/2004**

New Delphi 2005 Support
New RB 9.01 Support

Version: 2.91   **Released: 12/12/2004**

Fixed Visible property control at design time

Version: 2.9   **Released: 11/26/2004**

ReportBuilder 9 Support

Version: 2.8   **Released: 4/21/2004**

PDF - Added ImageFormat property
PDF - Added transparent image support
ALL - Added GridPack support
XLS - Fixed formatting of numbers
PDF - Fixed text height problem on big font systems
HTML - Fixed font settings when SingleFileOutput used
HTML - New style sheet properties InlineStyleSheet and ExternalStyleSheet

Version: 2.8   **Released: 7/11/2004**

Compiled with ReportBuilder 7.04 Build 2

Version: 2.67   **Released: 11/16/2003**

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PDF - Fixed static sized memo
XLS - Added additional records for later versions
PDF - Added tab stop position support in memo

Version: 2.6   **Released: 3/17/2003**

Compiled with ReportBuilder 7.02
Added Truetype font embedding to PDF device
Added support for non-Western characters in PDF Device
Fixed RichText size issue for default dpi in graphic device
Added GrayScale option to TIFF graphic device
Added GrayScale option to JPEG graphic device
Added PixelsPerInch for Barcodes for PDF device
New metafile (WMF) support in graphic device

Version: 2.6   **Released: 8/27/2003**

Now compiled with ReportBuilder 7.03 for Delphi 5, 6 & 7

Version: 2.53   **Released: 1/13/2003**

Fixed default line width problem in PDF
Added CharToOEM conversion to DotMatrix device
Fixed font setting problem in PDF
Fixed Range Check Error in PDF
Fixed RichEdit sizing in Graphic
Fixed RichEdit wordwrap in PDF

Version: 2.52   **Released: 1/8/2003**

Fixed issue with PDF text alignment

Version: 2.51   **Released: 1/7/2003**

Fixed PDF document properties when encryption is on
Fixed PDF text positioning in footer

Version: 2.5   **Released: 1/5/2003**

Added Encryption and security options to PDF device
PDF files are now 5 times smaller than before for most reports!
Fixed CloseFile after report print in DotMatrix device
Added AutoConvertToNumber option to Excel device
Added time to creation stamp to PDF device
Fixed print to stream option in TIFF
Added WPTools support to RTF device

Compiled for RB 7.01

TExtraDevices for ReportBuilder

FAQ

Q. How do I install the package?

A. 1. Download EXTRADEM.EXE
2. Run EXTRADEM.EXE and select an install directory
3. Start Delphi
4. Select "Install Packages"
5. Press "Add"
6. Select xtradev.bpl in the install directory you created in step 2

Q. How do I add the devices to my project?

A. After installing the package, a new component called TExtraOptions will appear on the ReportBuilder tab. Drop one of these on your main form of your application and all reports within the entire application will be able to export to the new formats.

Note: You must set the AllowPrintToFile property of the TppReport component to True

Q. How can I tell which device the user selected in the print dialog?

A. You can check the Report.PrintDialog.DeviceType property to determine which device the user selected. This property is available only if the print dialog is shown.

Q. How can I combine several reports into one so I can generate one file?

A. The easiest way to do this is to use subreports. The following code builds a single report from a list of separate reports.

```
uses
  ppSubRpt, ppTypes;

procedure TForm1.Button1Click(Sender: TObject);
var
  I: Integer;
  SubList, RptList: TList;
  MasterRpt: TppReport;
  SR: TppSubReport;
begin
  SubList := TList.Create;
  RptList := TList.Create;

  RptList.Add(ppReport1);   // Add your own reports here!
  RptList.Add(ppReport2);


  MasterRpt := TppReport.Create(Self);
  MasterRpt.CreateDefaultBands;
  MasterRpt.RemoveBand(MasterRpt.HeaderBand);
  MasterRpt.RemoveBand(MasterRpt.FooterBand);


  for I := 0 to RptList.Count - 1 do begin
    SR := TppSubReport.Create(Self);
```

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FAQ

```
   SR.Band := MasterRpt.DetailBand;
   SR.SetReportProperty(TppReport(RptList[I]));
   SR.PrintBehavior := pbSection;
   SR.Report.PassSetting := psTwoPass;
   SR.ResetPageNo := False;
   SubList.Add(SR);
 end;


 MasterRpt.TextFileName := 'MASTER.PDF';
 MasterRpt.AllowPrintToFile := True;
 MasterRpt.ShowPrintDialog := True;
 MasterRpt.DeviceType := 'PDFFile';
 MasterRpt.Print;


 for I := 0 to SubList.Count - 1 do begin
   TppSubReport(SubList[I]).SetReportProperty(Nil);
   TppSubReport(SubList[I]).Free;
 end;

 RptList.Free;
 SubList.Free;
 MasterRpt.Free;
end;
```

Q. Why won't my report print to the device specified?

A. Make sure you include TXtraDev in the uses statement of any unit in your project. This allows it to register the devices at runtime.

Q. Why are my memo fields truncated in the spreadsheet devices?

A. Due to the version of spreadsheet files that the devices create, text items are limited to 255 characters. Therefore, TExtraDevices truncates all items over 255.

Q. Why are my layered items garbled in my device output?

A. TExtraDevices tries to render your report as accurately as possible given the capabilities of the output device. Certain elements like layering (one report object atop another) cannot be accurately reproduced.

Q. Where are my lines/images/RichText objects in RTF?

A. In Word, to view lines and images you must turn on preview mode under view.

Q. I get a EClassNotFound compile error when using the TExtraOptions component

A. Make sure the txtradev appears before txcomp in the uses statement of the unit.

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FAQ

Q. When I try to install the package I get an error that ppFilDev was compiled with a different version?

A. If you have the registered version you can simply open XDeviceN.dpk (where N is replaced with the Delphi version #) and click compile. For demo users you must obtain the same version of RB that the demo is compiled with.

Q. When I print to HTML/Graphic devices the TextFileName is not used!

A. HTML & Graphic devices create a single file for each page printed since these file formats do not allow page breaks like other formats. By default, TExtraDevices will use the path from the TextFileName property and create a sequence of files called rptxxxx.htm where xxxx will be a sequential number. If any images or shapes are in the report, corresponding files called imgxxxx.jpg will be created. If you want to use your own file name and have the sequential number added to it, set the HTML.UseTextFileName := True or Graphic.UseTextFileName := True depending on which device you are using. TExtraDevices will then create files with that base name and xxxx appended to it.

Q. How do I recompile the package?

A. Based on the version of RB that you are using, you may need to recompile the package.

Here are the steps necessary to do this:

1. All defines for additional component support and ReportBuilder versions are contained in the unit TXDEFS.PAS.
Open this unit and find the appropriate Delphi version section. Within each section are the various compiler defines available. To enable/disable each feature you will uncomment/comment the define.

The following defines are available:

$DEFINE USERB603 - Enable support for RB 6.03 and earlier
$DEFINE USERB9UP - Enable support for RB 9.x and later
$DEFINE USEWPTOOLS - Enable WPTools RichText support
$DEFINE USEGRIDPACK - Enable GridPack support
$DEFINE USERICHVIEW - Enable TRichView support
$DEFINE USEINDY10 - Enable Indy 10 support

Note: If you have RB 7.x you need to comment out the USERB603 and USERB9UP defines.

Save TXDEFS.PAS

2. Open XDeviceN.dpk in the install directory of the Delphi version you are using. For example, if you have Delphi 5, open XDevice5.dpk in <installdir>

3. Remove the rbRCLxx package from the project.

4. Compile.

5. Delphi will prompt you to add the correct RB package. Click OK.

6. Copy all files from the SOURCE directory to the LIB directory.

Note: The new BPL file may be created in the Delphi BPL directory. If it is, copy this to the LIB directory.

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FAQ

Q. How do I send a report to a browser using only a stream?

A. The following code will send a PDF file to a browser using only a stream:

```
procedure TWebModule1.WebModule1WebActionItem1Action(Sender: TObject; Request: TWebRequest;
 Response: TWebResponse; var Handled: Boolean);
var
  HD: TPDFDevice;
  MS: TMemoryStream;
begin
  MS := TMemoryStream.Create;
  HD := TPDFDevice.Create(Self);
  HD.PrintToStream := True;
  HD.ReportStream := MS;
  HD.Publisher := Rpt.Publisher;
  Rpt.PrintToDevices;
  Response.ContentType := HD.ContentType;
  Response.ContentStream := MS;
  Response.SendResponse;
  HD.Free;
end;
```

Q. How do I create HTML reports on a server and send the results back to a user?

A. In your web server application do the following:

1 .Set the DeviceName to HTMLFile
2. Set the TextFileName to a unique session id (i.e. serverpath.htm where xxx is replaced with a session id
3. Set the UseTextFileName property to True of the HTML device.
This will create all HTML & Images files prefixed with the content of TextFileName.
So it could be Rpt.TextFileName := 'sessionid.htm';
Then the device will create files called sessionid0001.htm, sessionid0001.jpg, etc.
4. Print the report & send it back to the browser
5. When you kill the session just delete sessionid*.* from the server.

Q. How do I remove the ReportBuilder TextFileDevice?

A. You can control which file formats are available to end users via the device class registration procedures. For example, the following code would remove the ReportTextFileDevice from the list of available file formats:

```
uses
  ppDevice, ppFilDev;


  ppUnRegisterDevice(TppReportTextFileDevice);
```

Q. My text file is empty? What Happened?

A. The TextFileDevice is a built-in ReportBuilder device and not one included with TExtraDevices. But to answer the question, you need to define which fields are exported within the Report Designer. It is under File/PrintTo File Setup. By default, all items have their save property set to false which causes the blank file.

Q. What are the file device classes included in TExtraDevices?

TExtraDevices for ReportBuilder

FAQ

A.
Class/DeviceName

TWK1Device/LotusFile
TWQ1Device/QuattroFile
TXLSDevice/ExcelFile
TGraphicDevice/GraphicFile
THTMLDevice/HTMLFIle
TXHTMLDevice/XHTMLFile
TRTFDevice/RTFFile
TPDFDevice/PDFFile
TDotMatrixDevice/PrinterFile

Q. I get an error "cannot load a package named xxxx because it contains a unit called Zlib"

A. The Delphi ZLib unit is used witihin TExtraDevices for the compression of PDF files. As a result, it is implicitily linked into the package. However, if you have any other third party products which also use the ZLib unit, you will get this error.

To get the package to load you need to recompile the package and Delphi will remove it from TExtraDevices. Follow the recompile FAQ found in this document.

Q. How do I get the end user reporting components to work with TExtraDevices?

A. The end user reporting components default AllowPrintToFile to False. This
needs to be set to True on the creation and loading of reports like this:

```
procedure TmyEndUserSolution.FormCreate(Sender: TObject);
begin
  // assign event-handler to template events}
  ppReport1.Template.OnNew := ReportTemplateEvent;
  ppReport1.Template.OnLoadEnd := ReportTemplateEvent;
end;

procedure TmyEndUserSolution.ReportTemplateEvent(Sender: TObject);
begin
  // set default report properties
  ppReport1.AllowPrintToFile := True;
end;
```

Q. How do I disable printing or other options in my PDF file?

A. Within the PDF properties of the component there is a permissions property.
By changing any of these, the device will automatically encrypt the file and apply
the option.

Note: If you want the user to open the file without a password, set the OwnerPassword
property to a password of your choice and leave the UserPassword property blank.

TExtraDevices for ReportBuilder

FAQ

Q. How do I use the DotMatrix device?

A. The DotMatrix device provides an easy and fast way to print to dot matrix printers.
Instead of using a slow graphics driver, the device will only send text and printer
escape commands to the specified port.

For example:

```
// Specify the port to print to (LPT1, COM1, etc)
// This can also be specified in the ExtraOptions component
ExtraOptions1.DotMatrix.Port := 'LPT1';

// Optionially specify the characters and lines per inch
ExtraOptions1.DotMatrix.CharsPerInch := cs10CPI;
ExtraOptions1.DotMatrix.LinesPerInch := ls6CPI;


Rpt.AllowPrintToFile := True;
Rpt.ShowPrintDialog := False;
Rpt.DeviceType := 'PrinterFile';
Rpt.Print;
```