



# Supported Media Types on BlackBerry Tablets Reference Guide

711-08237-123

Version: 2.0





# Contents

<b>Supported Media Types on BlackBerry Tablets....</b>	<b>2</b>
<b>BlackBerry PlayBook tablet.....</b>	<b>3</b>
Supported media formats on the BlackBerry PlayBook tablet.....	3
Recommended video format for local playback on the BlackBerry PlayBook tablet.....	5
Supported video camera encoding on the BlackBerry PlayBook tablet.....	5
Supported picture formats on the BlackBerry PlayBook tablet.....	6
Supported streaming protocols on the BlackBerry PlayBook tablet.....	6
<b>Glossary.....</b>	<b>7</b>
<b>Legal notice.....</b>	<b>8</b>

## Supported Media Types on BlackBerry Tablets

You can open media files such as videos, pictures, and songs that are stored on the BlackBerry PlayBook tablet.

The following tables list the codecs that are recommended and the codecs that are supported for video formats and audio formats on the BlackBerry tablet.

# BlackBerry PlayBook tablet

## Supported media formats on the BlackBerry PlayBook tablet

File format	Component	Codec	Profiles	Notes
3GP	Video	H.264	Baseline, main, and high (up to 4.2) profile	CBP, 20 Mbps
3GP2				
M4A		MPEG-4	Simple and advance simple profile	Level 0, 1, 2, 3, 4A, 5, and 6
M4V				
MOV	H.263			
MP4	Audio	MPEG-2	Up to simple profile main level and main profile high level	
MKV				
MPEG-4		AAC		AAC-LC (96 Kbps or higher), HE-AAC v1 and v2 (128 Kbps or higher), stereo 5.1
		MP3		
	PCM			
AVI	Video	MPEG-4	Simple and advance simple profile	Level 0, 1, 2, 3, 4A, 5, and 6
		H.264	Baseline, main, and high (up to 4.2) profile	CBP, 20 Mbps
		Xvid		
		MPEG-2	Up to simple profile main level and main profile high level	
	Audio	MP3		MPEG 1, 2, and 2.5, layer 3, stereo, 128 Kbps

File format	Component	Codec	Profiles	Notes
ASF WMV WMA	Video	VC-1	Simple, main, and advance (up to level 3) profile	
	Audio	Windows Media Audio 9		
		Windows Media Audio 10		8 Kbps or higher
		Windows Media Audio 10 Professional		128 Kbps or higher with stereo 5.1
		Windows Media Audio Lossless		128 Kbps or higher with stereo 5.1
MP3 MKA AAC	Audio	MP3 AAC, PCM		MPEG 1, 2, and 2.5, layer 3, stereo, 128 Kbps
AMR	Audio	AMR-NB		
F4V	Video	VP6		Software decode
		Sorenson Spark		Software decode
WAV	Audio	PCM		LPCM, A-LAW, U-LAW, and ADPCM

## Recommended video format for local playback on the BlackBerry PlayBook tablet

File format	Component	Codec	Notes
MP4	Video	H.264	High profile, 720p (1280 x 720)  Output to an HD television, with an HDMI cable has a resolution of 1080p (1920 x 1080).  Tablet screen resolution is 1024 x 600.
	Audio	AAC	LC-AAC, stereo 5.1

## Supported video camera encoding on the BlackBerry PlayBook tablet

File format	Component	Codec	Notes
MP4	Video	H.264	480p at 30 frames per second produces a bit rate of 2.67 Mbps.  720p at 30 frames per second produces a bit rate of 8 Mbps.  1080p at 30 frames per second produces a bit rate of 16 Mbps.
	Audio	AAC	MPEG-4 AAC at 128 Kbps, stereo (2 channels), 48 kHz sampling

## Supported picture formats on the BlackBerry PlayBook tablet

- BMP
- JPG
- GIF
- PNG

## Supported streaming protocols on the BlackBerry PlayBook tablet

- HTTP
- HTTP Progressive Download

# Glossary

**ADPCM**

Adaptive Differential PCM

**CBP**

Coded Block Pattern

**HDMI**

High-Definition Multimedia Interface

**LPCM**

Linear PCM

**MPEG**

Moving Picture Experts Group

**PCM**

pulse code modulation

**VC-1**

Video Codec 1

## Legal notice

©2012 Research In Motion Limited. All rights reserved. BlackBerry®, RIM®, Research In Motion®, and related trademarks, names, and logos are the property of Research In Motion Limited and are registered and/or used in the U.S. and countries around the world.

Sorenson Spark is a trademark of Sorenson Media, Inc. Windows Media is a trademark of Microsoft Corporation. Xvid is a trademark of Michael Miltzer. All other trademarks are the property of their respective owners.

This documentation including all documentation incorporated by reference herein such as documentation provided or made available at [www.blackberry.com/go/docs](http://www.blackberry.com/go/docs) is provided or made accessible "AS IS" and "AS AVAILABLE" and without condition, endorsement, guarantee, representation, or warranty of any kind by Research In Motion Limited and its affiliated companies ("RIM") and RIM assumes no responsibility for any typographical, technical, or other inaccuracies, errors, or omissions in this documentation. In order to protect RIM proprietary and confidential information and/or trade secrets, this documentation may describe some aspects of RIM technology in generalized terms. RIM reserves the right to periodically change information that is contained in this documentation; however, RIM makes no commitment to provide any such changes, updates, enhancements, or other additions to this documentation to you in a timely manner or at all.

This documentation might contain references to third-party sources of information, hardware or software, products or services including components and content such as content protected by copyright and/or third-party web sites (collectively the "Third Party Products and Services"). RIM does not control, and is not responsible for, any Third Party Products and Services including, without limitation the content, accuracy, copyright compliance, compatibility, performance, trustworthiness, legality, decency, links, or any other aspect of Third Party Products and Services. The inclusion of a reference to Third Party Products and Services in this documentation does not imply endorsement by RIM of the Third Party Products and Services or the third party in any way.

EXCEPT TO THE EXTENT SPECIFICALLY PROHIBITED BY APPLICABLE LAW IN YOUR JURISDICTION, ALL CONDITIONS, ENDORSEMENTS, GUARANTEES, REPRESENTATIONS, OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY CONDITIONS, ENDORSEMENTS, GUARANTEES, REPRESENTATIONS OR WARRANTIES OF DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, MERCHANTABILITY, NON-INFRINGEMENT, SATISFACTORY QUALITY, OR TITLE, OR ARISING FROM A STATUTE OR CUSTOM OR A COURSE OF DEALING OR USAGE OF TRADE, OR RELATED TO THE DOCUMENTATION OR ITS USE, OR PERFORMANCE OR NON-PERFORMANCE OF ANY SOFTWARE, HARDWARE, SERVICE, OR ANY THIRD PARTY PRODUCTS AND SERVICES REFERENCED HEREIN, ARE HEREBY EXCLUDED. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY STATE OR PROVINCE. SOME JURISDICTIONS MAY NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES AND CONDITIONS. TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTIES OR CONDITIONS RELATING TO THE DOCUMENTATION TO THE EXTENT THEY CANNOT BE EXCLUDED AS SET OUT ABOVE, BUT CAN BE LIMITED, ARE HEREBY LIMITED TO NINETY (90) DAYS FROM THE DATE YOU FIRST ACQUIRED THE DOCUMENTATION OR THE ITEM THAT IS THE SUBJECT OF THE CLAIM.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN YOUR JURISDICTION, IN NO EVENT SHALL RIM BE LIABLE FOR ANY TYPE OF DAMAGES RELATED TO THIS DOCUMENTATION OR ITS USE, OR PERFORMANCE OR NON-PERFORMANCE OF ANY SOFTWARE, HARDWARE, SERVICE, OR ANY THIRD PARTY PRODUCTS AND SERVICES REFERENCED HEREIN INCLUDING WITHOUT LIMITATION ANY OF THE FOLLOWING DAMAGES: DIRECT, CONSEQUENTIAL, EXEMPLARY, INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, OR AGGRAVATED DAMAGES, DAMAGES FOR LOSS OF PROFITS OR REVENUES, FAILURE TO REALIZE ANY EXPECTED SAVINGS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF BUSINESS OPPORTUNITY, OR CORRUPTION OR LOSS OF DATA, FAILURES TO TRANSMIT OR RECEIVE ANY DATA, PROBLEMS ASSOCIATED WITH ANY APPLICATIONS USED IN CONJUNCTION WITH RIM PRODUCTS OR SERVICES, DOWNTIME COSTS, LOSS OF THE USE OF RIM PRODUCTS OR SERVICES OR ANY PORTION THEREOF OR OF ANY AIRTIME SERVICES, COST OF SUBSTITUTE GOODS, COSTS OF COVER, FACILITIES OR SERVICES, COST OF CAPITAL, OR OTHER SIMILAR PECUNIARY LOSSES, WHETHER OR NOT SUCH DAMAGES WERE FORESEEN OR UNFORESEEN, AND EVEN IF RIM HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN YOUR JURISDICTION, RIM SHALL HAVE NO OTHER OBLIGATION, DUTY, OR LIABILITY WHATSOEVER IN CONTRACT, TORT, OR OTHERWISE TO YOU INCLUDING ANY LIABILITY FOR NEGLIGENCE OR STRICT LIABILITY.

THE LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS HEREIN SHALL APPLY: (A) IRRESPECTIVE OF THE NATURE OF THE CAUSE OF ACTION, DEMAND, OR ACTION BY YOU INCLUDING BUT NOT LIMITED TO BREACH OF CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR ANY OTHER LEGAL THEORY AND SHALL SURVIVE A FUNDAMENTAL BREACH OR BREACHES OR THE FAILURE OF THE ESSENTIAL PURPOSE OF THIS AGREEMENT OR OF ANY REMEDY CONTAINED HEREIN; AND (B) TO RIM AND ITS AFFILIATED COMPANIES, THEIR SUCCESSORS, ASSIGNS, AGENTS, SUPPLIERS (INCLUDING AIRTIME SERVICE PROVIDERS), AUTHORIZED RIM DISTRIBUTORS (ALSO INCLUDING AIRTIME SERVICE PROVIDERS) AND THEIR RESPECTIVE DIRECTORS, EMPLOYEES, AND INDEPENDENT CONTRACTORS.

IN ADDITION TO THE LIMITATIONS AND EXCLUSIONS SET OUT ABOVE, IN NO EVENT SHALL ANY DIRECTOR, EMPLOYEE, AGENT, DISTRIBUTOR, SUPPLIER, INDEPENDENT CONTRACTOR OF RIM OR ANY AFFILIATES OF RIM HAVE ANY LIABILITY ARISING FROM OR RELATED TO THE DOCUMENTATION.

Prior to subscribing for, installing, or using any Third Party Products and Services, it is your responsibility to ensure that your airtime service provider has agreed to support all of their features. Some airtime service providers might not offer Internet browsing functionality with a subscription to the BlackBerry® Internet Service. Check with your service provider for availability, roaming arrangements, service plans and features. Installation or use of Third Party Products and Services with RIM's products and services may require one or more patent, trademark, copyright, or other licenses in order to avoid infringement or violation of third party rights. You are solely responsible for determining whether to use Third Party Products and Services and if any third party licenses are required to do so. If required you are responsible for acquiring them. You should not install or use Third Party Products and Services until all necessary licenses have been acquired.

Any Third Party Products and Services that are provided with RIM's products and services are provided as a convenience to you and are provided "AS IS" with no express or implied conditions, endorsements, guarantees, representations, or warranties of any kind by RIM and RIM assumes no liability whatsoever, in relation thereto. Your use of Third Party Products and Services shall be governed by and subject to you agreeing to the terms of separate licenses and other agreements applicable thereto with third parties, except to the extent expressly covered by a license or other agreement with RIM.

Certain features outlined in this documentation require a minimum version of BlackBerry® Enterprise Server, BlackBerry® Desktop Software, and/or BlackBerry® Device Software.

The terms of use of any RIM product or service are set out in a separate license or other agreement with RIM applicable thereto. NOTHING IN THIS DOCUMENTATION IS INTENDED TO SUPERSEDE ANY EXPRESS WRITTEN AGREEMENTS OR WARRANTIES PROVIDED BY RIM FOR PORTIONS OF ANY RIM PRODUCT OR SERVICE OTHER THAN THIS DOCUMENTATION.

Research In Motion Limited  
295 Phillip Street  
Waterloo, ON N2L 3W8  
Canada

Research In Motion UK Limited  
Centrum House  
36 Station Road  
Egham, Surrey TW20 9LF  
United Kingdom

Published in Canada