Supported Media Types

Reference Guide

BlackBerry®

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BlackBerry media support at a glance

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- Supported video formats
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- Streaming support
- Supported image formats

Supported video formats

The following tables outline the video formats supported by BlackBerry smartphones and tablets. Note that there may be some variance across devices within the same codeline.

Format	MIME type(s)	Supported video codec(s)	Supported audio codec(s)	Availability (QNX based devices)	Availability (Java based devices)
3GP	video/3gpp	H.263*, H.264, MPEG-2**, MPEG-4	AAC, AMR	1.0+	4.2.2+
3G2	video/3gpp2	H.263*, H.264, MPEG-2**, MPEG-4	AAC, AMR , QCELP***	1.0+	4.2.2+
ASF	video/x-ms-asf	WMV 9	WMA	1.0+	4.2.2+
AVI	video/x-msvideo	MPEG-4	MPEG-3	1.0+	4.2.2+

Format	MIME type(s)	Supported video codec(s)	Supported audio codec(s)	Availability (QNX based devices)	Availability (Java based devices)
F4V	video/mp4	V6	Sorenson Spark	1.0+	
MOV	video/quicktime	H.263*, H.264, MPEG-2** MPEG-4	AAC, AMR, QCELP***	1.0+	4.2.2+
MP4	video/mp4	H.263*, H.264, MPEG-2**, MPEG-4	AAC, AMR	1.0+	4.2.2+
WMV	video/x-ms-wmv	WMV 9	WMA	1.0+	4.2.2+

* The H.263 group of codecs are not supported on BlackBerry PlayBook OS.

** The MPEG-2 group of codecs are only supported on BlackBerry PlayBook OS.

*** The QCELP group of codecs are only supported on devices that operate on CDMA networks.

Supported audio formats

The following tables outline the audio formats supported by BlackBerry smartphones and tablets. Note that there may be some variance across devices within the same codeline.

Format	MIME type(s)	Supported audio codec(s)	Availability (QNX based devices)	Availability (Java based devices)
AAC	audio/aac, audio/x-aac	AAC	1.0+	4.2.2+
AMR	audio/amr, audio/x-amr	AMR	2.0+	4.2.2+

Format	MIME type(s)	Supported audio codec(s)	Availability (QNX based devices)	Availability (Java based devices)
FLAC	audio/flac	FLAC, Vorbis		5.0+
M4A	audio/m4a, audio/mp4	AAC	1.0+	4.2.2+
MIDI	audio/midi, audio/mid, audio/x-midi, audio/x-mid	MIDI		4.2.2+
MP3	audio/mp3	MPEG-3	1.0+	4.2.2+
OGG	audio/ogg	FLAC, Vorbis		5.0+
QCP	audio/x-gsm	QCELP		4.2.2+
SPMID	audio/spmid	SP-MIDI		4.2.2+
WAV	audio/wav, audio/x-wav	PCM, GSM	1.0+	4.2.2+
WMA	audio/x-ms-wma	WMA 9, WMA 10	1.0+	4.2.2+

Supported image formats

The table below outlines the supported image formats supported by BlackBerry smartphones and tablets.

Format	MIME type(s)	Availability (QNX based devices)	Availability (Java based devices)
BMP	image/bmp	1.0+	4.2.2+
GIF	image/gif	1.0+	4.2.2+
JPG	image/jpg, image/jpeg	1.0+	4.2.2+
PNG	image/png	1.0+	4.2.2+
SVG	image/svg+xml	1.0+	4.7.1+
TIF	image/tiff	2.0+	4.2.2+
WBMP	image/vnd.wap.wbmp		4.2.2+

Media support: BlackBerry PlayBook OS

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Learn which media types are supported on next-generation BlackBerry devices running on QNX Neutrino RTOS.

Video codec support on QNX-based devices, by version

Codec versions and profiles	Supported as of
H.264	
H.264 Baseline Profile	(1.0+)
H.264 Constrained Baseline Profile	(1.0+)
H.264 Main Profile	(1.0+)
H.264 High Profile	(1.0+)
MPEG-2	
MPEG-2 Simple Profile (Main Level)	(2.0+)
MPEG-2 Main Profile (High Level)	(2.0+)
MPEG-4	
MPEG-4 SP	(1.0+)
MPEG-4 ASP	(1.0+)
VP	
VP6	(1.0+)
WMV 9 (VC-1)	

Codec versions and profiles	Supported as of
WMV 9 Simple	(1.0+)
WMV 9 Main	(1.0+)
WMV 9 Advanced (WVC-1)	(1.0+)

Audio codec support on BlackBerry tablets, by version

Codec versions and profiles	Supported as of
AAC	
AAC	(1.0+)
AAC+ (HE-AAC v1)	(1.0+)
eAAC+ (HE-ACC v2)	(1.0+)
AMR	
AMR-NB	(1.0+)
MPEG	
MPEG 1 Layer 3	(1.0+)
MPEG 2 Layer 3	(1.0+)
MPEG 2.5 Layer 3	(1.0+)
PCM	
PCM (A-law, U-law)	(1.0+)
LPCM (A-law, U-law)	(1.0+)
ADPCM (A-law, U-law)	(1.0+)
Sorenson	
Sorenson Spark	(1.0+)

Codec versions and profiles	Supported as of
WMA	
WMA v2	(1.0+)
WMA 9	(1.0+)
WMA 10 Professional	(1.0+)
WMA Lossless	(1.0+)

Streaming support

Tablets running BlackBerry PlayBook OS support the following streaming protocols and formats:

- HTTP Progressive Download
- RTMP (Supported by Adobe Flash)
- RTMPe (Supported by Adobe Flash, BlackBerry PlayBook OS 2.0+)

BlackBerry PlayBook OS media support

The following table outlines media support for BlackBerry tablets running BlackBerry PlayBook OS.

Supported models and device characteristics

BlackBerry PlayBook

Feature	Details
Screen size	1024x600 WSVGA
Pixel density	169 ppi

Feature	Details
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 High Profile @ 720p (1280x720)
Audio codec	AAC LC Stereo 5.1

Video support details

Feature	Details
Supported video formats	3GP, 3GP2, ASF, AVI, F4V, M4V, MKV, MOV, MP4, MPEG4, WMV
Supported resolution (all codecs)	1080p
Supported bit rate (all codecs)	Up to 20 Mbps
Codec support	
H.263	
H.264	Baseline Profile, Constrained Baseline Profile, Main Profile, High Profile (up to Level 4.2)
MPEG-2	Simple Profile (Main Level), Main Profile (High Level)
MPEG-4	SP, ASP (Levels 0, 1, 2, 3, 4A, 5, 6)
VP6	
WMV 9 (VC-1)	Simple, Main, Advance (up to Level 3)

Audio support details

Feature	Details
Supported audio formats	AAC, M4A, MKA, MP3, WAV, WMA
Codec support	
AAC	AAC LC (96 Kbps or higher) AAC+, eAAC+ (128 Kbps with stereo 5.1) stereo
AMR	AMR-NB

Feature	Details
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3); Stereo, 128 Kbps
PCM	PCM, LPCM, A-Law, U-Law, ADPCM
Sorenson Spark	Software Decode
WMA	WMA 9 WMA 10 (8 Kpbs or higher) WMA 10 Professional (128 Kbps with stereo 5.1) WMA Lossless (128 Kbps with stereo 5.1)

Supported video camera encoding

Container	Component	Codec	Notes
MP4	Video	H.264	480p at 30fps produces a bit rate of 2.67 Mbps. 720p at 30fps produces a bit rate of 8 Mbps. 1080p at 30 fps produces a bit rate of 16 Mbps.
	Audio	AAC	AAC at 128 Kbps, stereo (2 channels), 48 kHz sampling.

Media support: BlackBerry 7.1 and earlier

3

Learn which media types are supported on first-generation BlackBerry devices running on Java.

BlackBerry smartphones running on Java represent the first-generation BlackBerry devices. These include the following series of devices:

- BlackBerry Bold series
- BlackBerry Curve series
- BlackBerry Storm series

Video codec support on BlackBerry smartphones, by version

Codec versions and profiles	7.1	7.0	6.0	5.0	4.7.1	4.7	4.6.1	4.6
H.263								
H.263 (Profile 0)	✓	✓	✓	✓	✓	✓	✓	✓
H.263+ (Profile 3)	✓	✓	✓	✓				
H.264								
H.264 Baseline Profile	✓	✓	✓	✓	✓	✓	✓	✓
H.264 Constrained Baseline Profile								
H.264 Main Profile	✓	✓	✓					
H.264 High Profile	✓	✓	✓					
MPEG-4								
MPEG-4 SP	✓	✓	✓	✓	✓	✓	✓	✓
MPEG-4 ASP	✓	✓	✓	✓	✓	✓	✓	✓

Codec versions and profiles	7.1	7.0	6.0	5.0	4.7.1	4.7	4.6.1	4.6
WMV 9 (VC-1)								
WMV 9 Simple	✓	✓	✓	✓	✓	✓	✓	✓
WMV 9 Main	✓	✓	✓	✓	✓	✓	✓	✓
WMV 9 Advanced (WVC-1)	✓	✓	✓					

Audio codec support on BlackBerry smartphones, by version

Codec versions and profiles	7.1	7.0	6.0	5.0	4.7.1	4.7	4.6.1	4.6
AAC								
Versions								
AAC	✓	✓	✓	✓	✓	✓	✓	✓
AAC+ (HE-AAC v1)	✓	✓	✓	✓	✓	✓	✓	✓
eAAC+ (HE-ACC v2)	✓	✓	✓	✓	✓	✓	✓	✓
Profiles								
AAC LC	✓	✓	✓	✓	✓	✓	✓	✓
ER AAC LC	✓	✓	✓	✓	✓	✓	✓	✓
706D	✓	✓	✓	✓	✓	✓	✓	✓
AMR								
AMR	✓	✓	✓	✓	✓	✓	✓	✓
AMR-NB	✓	✓	✓	✓	✓	✓	✓	✓
AMR-WB	✓	✓						
AMR-WB+	✓	✓						
FLAC								
FLAC	✓	✓	✓	✓				

Codec versions and profiles	7.1	7.0	6.0	5.0	4.7.1	4.7	4.6.1	4.6
GSM								
GSM6.10	✓	✓	✓	✓		✓	✓	✓
MIDI								
GM	✓	✓	✓	✓	✓	✓	✓	✓
GM2	✓	✓	✓	✓	✓	✓	✓	✓
SP-MIDI	✓	✓	✓	✓	✓	✓	✓	✓
MPEG								
MPEG 1 Layer 3	✓	✓	✓	✓	✓	✓	✓	✓
MPEG 2 Layer 3	✓	✓	✓	✓	✓	✓	✓	✓
MPEG 2.5 Layer 3	✓	✓	✓	✓	✓	✓	✓	✓
Ogg Vorbis								
Vorbis	✓	✓	✓	✓				
PCM								
PCM (A-law, U-law)	✓	✓	✓	✓	✓	✓	✓	✓
LPCM (A-law, U-law)	✓	✓	✓	✓	✓	✓	✓	✓
ADPCM (A-law, U-law)								
QCELP								
EVRA	✓	✓	✓	✓	✓	✓		
QCELP13	✓	✓	✓	✓	✓	✓		
WMA								
WMA v2	✓	✓	✓	✓	✓	✓	✓	
WMA 9	✓	✓	✓	✓	✓	✓	✓	✓

Codec versions and profiles	7.1	7.0	6.0	5.0	4.7.1	4.7	4.6.1	4.6
WMA 10 Professional	✓	✓	✓	✓	✓	✓	✓	✓
WMA Lossless	✓	✓	✓					

Streaming support

BlackBerry devices running BlackBerry Device Software support the following streaming protocols and formats:

- HTTP Prgressive Download
- RTSP (for media encoded using H.263, H.264, MPEG-4 and/or AAC, AMR-NB)
- Fragmented MP4

BlackBerry 7 and 7.1 media support

- BlackBerry Bold series and Porsche Design
- BlackBerry Curve series
- BlackBerry Torch series

BlackBerry Bold series and Porsche Design

The following sections detail the audio and video support for BlackBerry Bold series devices and the Porsche Design by BlackBerry running BlackBerry 7 or BlackBerry 7.1 software.

Supported models and device characteristics

Bold 9790

Bold 9900/9930

Porsche Design P'9981

Feature	Details
Screen size (all devices)	**Bold 9790:** 480x360 VGA hi-res **Bold 9900, 9930, P'9981:** 640 x 480 VGA hi-res
Pixel density (all devices)	**Bold 9790:** 245 ppi **Bold 9900, 9930, P'9981:** 287 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	**Bold 9790:** H.264 (Baseline Profile, 480x360) **Bold 9900, 9930, P'9981:** H.264 (Baseline Profile, 720p)
Audio codec	AAC LC

Video support details

Feature	Details	
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Bold 9930 only	
Codec support		
H.263	Supported profiles	Profile 0 (Level 70)
	Supported resolution	**Bold 9790:** 480x360 **Bold 9900, 9930, P'9981:** FWVGA
	Bit rate	Up to 2 Mbps
	Frame rate	30 fps
H.264	Supported profiles	Baseline, Main, and High Profiles (up to Level 3.1)
	Supported resolution	720p
	Bit rate	**Bold 9790:** Up to 6/10 **Bold 9900, 9930, P'9981:** Up to 14 Mbps
	Frame rate	30 fps
MPEG-4	Supported profile(s)	SP, ASP (Level 6)

Feature	Details	
	Supported resolution	**3G2, 3GP, M4V, MP4 formats:** 720p **AVI format:** D1
	Bit rate	**Bold 9790:** Up to 6/10 **Bold 9900, 9930, P'9981:** Up to 14 Mbps
	Frame rate	30 fps
	Interlace support	Unsupported for ASP
WMV 9 (VC-1)	Supported profile(s) and levels	**Bold 9790:** Simple, Main Profiles (Level 1) **Bold 9900, 9930, P'9981:** Simple, Main, Advance Profiles (Level 1)
	Supported resolution	**Simple:** CIF@324Kbps **Main, Advance:** 720p
	Bit rate	**Bold 9790:** Up to 6/10 **Bold 9900, 9930, P'9981:** Up to 14 Mbps
	Frame rate	30 fps
	Interlace support	No

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Bold 9930 only
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	**Bold 9790:** GM, GM2, SP-MIDI; 128 voices **Bold 9900, 9930, P'9981:** SP-MIDI; 128 voices
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis

Feature	Details
PCM	PCM, LPCM; 2 channel, 48K sampling rate (16 bit)
QCELP	**Bold 9790, 9900, P'9981:** Not supported **Bold 9930:** QCELP 13, EVRA
WMA	**Bold 9790:** WMA 9, WMA 10 Standard/Professional, WMA Lossless **Bold 9900, 9930, P'9981:** WMA 9, WMA 10 Standard/Professional

BlackBerry Curve series

The following sections detail the audio and video support for BlackBerry Curve series devices running BlackBerry 7 or BlackBerry 7.1 software.

Supported models and device characteristics

Curve 9220/9310/9320

Curve 9350/9360/9370

Curve 9380

Feature	Details
Screen size (all devices)	**Curve 9220, 9310, 9320:** 320x240 **Curve 9350, 9360, 9370, 9380:** 480x360 HVGA+
Pixel density (all devices)	**Curve 9220, 9310, 9320:** 164 dpi **Curve 9350, 9360, 9370:** 246 ppi **Curve 9380:** 188 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	**Curve 9220, 9310, 9320:** H.264 (Baseline Profile, 320x240)

Feature	Details
	Curve 9350, 9370: H.264 (Baseline Profile, 720p) **Curve 9360, 9380:** H.264 (Baseline Profile, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details	
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Curve 9220, 9310, 9320, 9360, 9380 only	
Codec support		
H.263	Supported profile(s)	Profile 0 (Level 70)
	Supported resolution	**Curve 9220, 9310, 9320:** VGA **Curve 9350, 9370:** FWVGA **Curve 9360, 9380:** HVGA
	Bit rate	Up to 2 Mbps
	Frame rate	**Curve 9220, 9310, 9320:** 15 fps **Curve 9350, 9360, 9370, 9380:** 30 fps
H.264	Supported profile(s)	Baseline, Main, and High Profiles (up to Level 3.1)
	Supported resolution	720p
	Bit rate	**Curve 9220, 9310, 9320, 9360, 9380:** Up to 6/10 Mbps **Curve 9350, 9370:** Up to 14 Mbps
	Frame rate	**Curve 9220, 9310, 9320:** 15 fps **Curve 9350, 9360, 9370, 9380:** 30 fps
MPEG-4	Supported profile(s)	SP, ASP (Level 6)
	Supported resolution	**3G2, 3GP, M4V, MP4 formats:** 720p **AVI format:** D1
	Bit rate	**Curve 9220, 9310, 9320, 9360, 9380:** Up to 10 Mbps

Feature	Details	
		Curve 9350, 9370: Up to 14 Mbps
	Frame rate	**Curve 9220, 9310, 9320:** 15 fps **Curve 9350, 9360, 9370, 9380:** 30 fps
	Interlace support	Unsupported for ASP
WMV 9 (VC-1)	Supported profile(s)	**Curve 9220, 9310, 9320:** Simple, Main Profiles (Low/Medium level) **Curve 9350, 9370:** Simple, Main, Advance Profiles(Level 1) **Curve 9360, 9380:** Simple, Main Profiles (Level 1)
	Supported resolution	**Simple:** CIF@324Kbps **Main, Advance:** 720p
	Bit rate	**Curve 9220, 9310, 9320, 9360, 9380:** Up to 6/10 Mbps **Curve 9350, 9370:** Up to 14 Mbps
	Frame rate	**Curve 9220, 9310, 9320:** 15 fps **Curve 9350, 9360, 9370, 9380:** 30 fps
	Interlace support	No

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Curve 9360, 9380 only
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	**Curve 9220, 9310, 9320, 9350, 9370:** SP-MIDI; 128 voices **Curve 9360, 9380:** GM, GM2, SP-MIDI; 128 voices
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis

Feature	Details
PCM	PCM, LPCM; 2 channel, 48K sampling rate (16 bit)
QCELP	**Curve 9220, 9310, 9320, 9350, 9370:** Not supported **Curve 9360, 9380:** QCELP 13, EVRA
WMA	**Curve 9220, 9310, 9320, 9350, 9370:** WMA 9, WMA 10 Standard/Professional **Curve 9360, 9380:** WMA 9, WMA 10 Standard/Professional, WMA Lossless

BlackBerry Torch series

The following sections detail the audio and video support for BlackBerry Torch series devices running BlackBerry 7 or BlackBerry 7.1 software.

Supported models and device characteristics

Torch 9810

Torch9850/9860

Feature	Details
Screen size (all devices)	**Torch 9810:** 480x360 HVGA hi-res **Torch 9850, 9860:** 800x480 WVGA
Pixel density (all devices)	253 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	**Torch 9810:** H.264 (Baseline Profile, 720p) **Torch 9850, 9860:** H.264 (Baseline Profile, 800x480)
Audio codec	AAC LC

Video support details

Feature	Details	
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Torch 9850 only	
Codec support		
H.263	Supported profile(s)	Profile 0 (Level 70)
	Supported resolution	**Torch 9810:** FWVGA **Torch 9850, 9860:** WVGA
	Bit rate	Up to 2 Mbps
	Frame rate	30 fps
H.264	Supported profile(s)	Baseline, Main, and High Profiles (up to Level 3.1)
	Supported resolution	720p
	Bit rate	**Torch 9810:** Up to 14 Mbps **Torch 9850, 9860:** Up to 6/10 Mbps
	Frame rate	30 fps
MPEG-4	Supported profile(s)	SP, ASP (Level 6)
	Supported resolution	**3G2, 3GP, M4V, MP4 formats:** 720p **AVI format:** D1
	Bit rate	**Torch 9810:** Up to 14 Mbps **Torch 9850, 9860:** Up to 10 Mbps
	Frame rate	30 fps
	Interlace support	Unsupported for ASP
WMV 9 (VC-1)	Supported profile(s)	**Torch 9810, 9860:** Simple, Main, Advance Profiles (Level 1) **Torch 9850:** Simple, Main Profiles (Level 1)
	Supported resolution	**Simple:** CIF@324Kbps **Main, Advance:** 720p

Feature	Details	
	Bit rate	**Torch 9810:** Up to 14 Mbps **Torch 9850, 9860:** Up to 6/10 Mbps
	Frame rate	30 fps
	Interlace support	No

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Torch 9850 only
Codec support	
AAC	AAC LC, AAC+, eAAC+; ADTS, ADIF* * Torch 9850 only
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	SP-MIDI; 128 voices
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel, 48K sampling rate (16 bit)
QCELP	**Torch 9810, 9860:** Not supported **Torch 9850:** QCELP 13, EVRA
WMA	WMA 9, WMA 10 Standard/Professional

BlackBerry 6 media support

- BlackBerry Bold series
- BlackBerry Curve series

- BlackBerry Pearl series
- BlackBerry Style series
- BlackBerry Torch series

BlackBerry Bold series

The following sections detail the audio and video support for BlackBerry Bold series device running BlackBerry 6.

Supported models and device characteristics

Bold 9650

Bold 9700

Bold 9780

Bold 9788

Feature	Details
Screen size (all devices)	480x360
Pixel density (all devices)	246 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (Baseline Profile, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Supported on Bold 9650 only
Supported resolution (all codecs)	480x360
Supported bit rate (all codecs)	Up to 2 Mbps

Feature	Details
Supported frame rate (all codecs)	30 fps (local playback)
Codec support	
H.263	**Bold 9650, 9780, 9788:** Profile 0 and 3 (Level 30) **Bold 9700:** Profile 0 and 3 (Level 45)
H.264	Baseline Profile (BP)
MPEG-4	**Bold 9650:** SP (Level 3) **Bold 9700, 9780, 9788:** SP, ASP
WMV 9 (VC-1)	**Bold 9650, 9780, 9788:** Simple Profile **Bold 9700:** Simple, Main Profiles

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Supported on Bold 9650 only
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
QCELP	**Bold 9650:** QCELP 13, EVRA **Bold 9700, 9780, 9788:** Not supported
WMA	WMA 9, WMA 10 Standard/Professional

BlackBerry Curve series

The following sections detail the audio and video support for BlackBerry Curve series devices running BlackBerry 6 software.

Supported models and device characteristics

Curve 9300/9330

Feature	Details
Screen size (all devices)	320x240
Pixel density (all devices)	163 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (Baeseline Profile, 320x240)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Curve 9330 only
Supported resolution (all codecs)	320x240
Supported bit rate (all codecs)	Up to 2 Mbps
Supported frame rate (all codecs)	30 fps (local playback)
Codec support	

Feature	Details
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	**Curve 9330:** SP (Level 3) **Curve 9300:** SP, ASP
WMV 9 (VC-1)	Simple Profile

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Curve 9330 only
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
QCELP	**Curve 9300:** Not supported **Curve 9330:** QCELP 13, EVRA
WMA	WMA 9, WMA 10 Standard/Professional

BlackBerry Pearl series

The following sections detail the audio and video support for BlackBerry Pearl series devices running BlackBerry 6 software.

Supported models and device characteristics

Pearl 9100/9150

Feature	Details
Screen size (all devices)	360x400
Pixel density (all devices)	239 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (Baseline Profile, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV
Supported resolution (all codecs)	320x240
Supported bit rate (all codecs)	Up to 2 Mbps
Supported frame rate (all codecs)	30 fps (local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP, ASP
WMV 9 (VC-1)	Simple Profile

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
WMA	WMA 9, WMA 10 Standard/Professional

BlackBerry Style series

The following sections detail the audio and video support for BlackBerry Style series devices running BlackBerry 6 software.

Supported models and device characteristics

Style 9670

Feature	Details
Screen size	360x400 QVGA
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (Baseline Profile, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2, ASF, AVI, M4V, MP4, WMV
Supported resolution (all codecs)	480x360
Supported bit rate (all codecs)	Up to 2 Mbps
Supported frame rate (all codecs)	30 fps (local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP, ASP (Level 3)
WMV 9 (VC-1)	Simple Profile

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS, ADIF)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; 128 polyphony
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)

Feature	Details
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel, 8k sampling rate (16-bit)
QCELP	QCELP 13, EVRA
WMA	WMA 9, WMA 10 Standard Professional

BlackBerry Torch series

The following sections detail the audio and video support for BlackBerry Torch series devices running BlackBerry 6 software.

Supported models and device characteristics

Torch 9800

Feature	Details
Screen size	480x360
Pixel density	188 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (Baseline Profile, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV

Feature	Details
Supported resolution (all codecs)	480x360
Supported bit rate (all codecs)	up to 2 Mbps
Supported frame rate (all codecs)	30 fps (for local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline, Medium, and High Profiles (up to Level 3.1)
MPEG-4	SP, ASP (Level 6)
WMV 9 (VC-1)	Simple Profile

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+; ADTS
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
WMA	WMA 9, WMA 10 Standard/Professional

BlackBerry Device Software 5.0 media support

- BlackBerry Bold series
- BlackBerry Curve series
- BlackBerry Pearl series
- BlackBerry Storm and BlackBerry Storm2 series
- BlackBerry Tour series

BlackBerry Bold series

The following sections detail the audio and video support for BlackBerry Bold series device running BlackBerry Device Software 5.0.

Supported models and device characteristics

Bold 9000

Bold 9650

Bold 9700

Feature	Details
Screen size (all devices)	**Bold 9000:** 480x320 **Bold 9650, 9700:** 480x360
Pixel density (all devices)	246 ppi
Recommendations for optimal local playback	

Feature	Details
Container	MP4
Video codec	**Bold 9000:** H.264 (BP, 480x320) **Bold 9650, 9700:** H.264 (BP, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Bold 9650 only
Supported resolution, all codecs	**Bold 9000:** 480x320 **Bold 9650, 9700:** 480x360
Supported bit rate, all codecs	**Bold 9000:** up to 1500 Kbps **Bold 9650, 9700:** Up to 2 Mbps
Supported frame rate, all codecs	**Bold 9000:** 24 fps **Bold 9650, 9700:** 30 fps
Codec support	
H.263	**Bold 9000, 9700:** Profile 0 and 3 (Level 45) **Bold 9650:** Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	**Bold 9000, 9700:** SP, ASP **Bold 9650:** SP (Level 3)
WMV 9 (VC-1)	**Bold 9000, 9700:** Simple, Main **Bold 9650:** Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, QCP*, SPMID, WAV, WMA * Bold 9650 only
Codec support	

Feature	Details
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
QCELP	**Bold 9000, 9700:** Not supported **Bold 9650:** QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Curve series

The following sections detail the audio and video support for BlackBerry Curve series devices running BlackBerry Device Software 5.0.

Supported models and device characteristics

Curve 8330

Curve 8350i

Curve 8520/8530

Curve 8900/89100

Curve 8980

Curve 9300/9330

Feature	Details
Screen size (all devices)	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** 320x240

Feature	Details
	Curve 8900, 8910, 8980: 480x360
Pixel density (all devices)	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** 163 ppi **Curve 8900, 8910, 8980:** 245 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	**Curve 8330, 8350i, 8520, 8530:** MPEG-4 (SP, 320x240) **Curve 8520, 8530:** MPEG-4 (ASP, 320x240) **Curve 8900, 8910, 8980:** MPEG-4 (ASP, 480x360) **Curve 9300, 9330:** H.264 (BP, 320x240)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2*, ASF, AVI, M4V, MP4, WMV * Curve 8530, 9330 only
Supported resolution (all codecs)	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** 320x240 **Curve 8900, 8910, 8980:** 480x360
Supported bit rate (all codecs)	**Curve 8330, 8350i, 8520, 8530:** Up to 768 Kbps **Curve 8900, 8910, 8980:** Up to 1500 Kbps **Curve 9300, 9330:** Up to 2 Mbps
Supported frame rate (all codecs)	**Curve 8330, 8350i, 8520, 8530, 8900, 8910, 8980:** 24 fps **Curve 9300, 9330:** 30 fps
Codec support	
H.263	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** Profile 0 and 3 (Level 30) **Curve 8900, 8910, 8980:** Profile 0 and 3 (Level 45)
H.264	**Curve 8330, 8350i:** Not supported **Curve 8520, 8530, 8900, 8910, 8980, 9300, 9330:** Baseline Profile (BP)
MPEG-4	**Curve 8330, 9330:** SP (Level 3) **Curve 8350i, 8520, 8530, 8900, 8910, 8980, 9300:** SP, ASP

Feature	Details
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC*, MIDI, M4A, MP3, OGG*, QCP**, SPMID, WAV, WMA * Curve 8900, 8910, 8980 only ** Curve 8530, 9330 only
Codec support	
AAC	AAC LC, AAC+, eAAC+
AMR	AMR, AMR-NB
FLAC	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** Not supported **Curve 8900, 8910, 8980:** FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	**Curve 8330, 8350i, 8520, 8530, 9300, 9330:** Not supported **Curve 8530, 9330:** Vorbis
PCM	PCM, LPCM; 2 channel
QCELP	**Curve 8330, 8350i, 8520, 8900, 8910, 8980, 9300:** Not supported **Curve 8530, 9330:** QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Pearl series

Pearl 5.0

The following sections detail the audio and video support for BlackBerry Pearl series devices running BlackBerry Device Software 5.0.

Supported models and device characteristics

Pearl 9100/9150

Feature	Details
Screen size (all devices)	360x400
Pixel density (all devices)	239 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV
Supported resolution, all codecs	320x240
Supported bit rate, all codecs	Up to 2 Mbps
Supported frame rate, all codecs	30 fps
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP, ASP
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, FLAC, MIDI, M4A, MP3, OGG, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM; 2 channel
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Storm and BlackBerry Storm2 series

The following sections detail the audio and video support for BlackBerry Storm and BlackBerry Storm2 series devices running BlackBerry Device Software 5.0.

Supported models and device characteristics

Storm 9500/9530

Storm2 9520/9550

Feature	Details
Screen size (all devices)	480x360

Feature	Details
Pixel density (all devices)	185 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2, ASF, AVI, M4V, MP4, WMV
Supported resolution, all codecs	480x360
Supported bit rate, all codecs	Up to 2 Mbps
Supported frame rate, all codecs	30 fps (local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP (Level 3)
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, QCP, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS, ADIF)
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)

Feature	Details
Ogg Vorbis	Vorbis
PCM	PCM, LPCM
QCELP	QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Tour series

The following sections detail the audio and video support for BlackBerry Tour series devices running BlackBerry Device Software 5.0.

Supported models and device characteristics

Tour 9630

Feature	Details
Screen size (all devices)	480x360
Pixel density (all devices)	245 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2, ASF, AVI, M4V, MP4, WMV
Supported resolution (all codecs)	480x360
Supported bit rate (all codecs)	Up to 2 Mbps
Supported frame rate (all codecs)	30 fps (local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP (Level 3)
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, QCP, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+
AMR	AMR, AMR-NB
FLAC	FLAC
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM
QCELP	QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Device Software 4.7.0 and 4.7.1 media support

- BlackBerry Storm series
- BlackBerry Tour series

BlackBerry Storm series

The following sections detail the audio and video support for BlackBerry Storm series devices running BlackBerry Device Software 4.7.0.

Supported models and device characteristics

Storm 9500/9530

Feature	Details
Screen size (all devices)	480x360
Pixel density (all devices)	185 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2, ASF, AVI, M4V, MP4, WMV
Supported resolution, all codecs	480x360
Supported bit rate, all codecs	Up to 2 Mbps
Supported frame rate, all codecs	30 fps (local playback)
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP (Level 3)
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, QCP, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS, ADIF)
AMR	AMR, AMR-NB
FLAC	FLAC
MIDI	GM, GM2, SP-MIDI
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM
QCELP	QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Tour series

The following sections detail the audio and video support for BlackBerry Tour series devices running BlackBerry Device Software 4.7.1.

Supported models and device characteristics

Tour 9630

Feature	Details
Screen size (all devices)	480x360
Pixel density (all devices)	245 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, 3G2, ASF, AVI, M4V, MP4, WMV
Supported resolution (all codecs)	480x360
Supported bit rate (all codecs)	Up to 2 Mbps
Supported frame rate (all codecs)	30 fps (local playback)

Feature	Details
Codec support	
H.263	Profile 0 and 3 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP (Level 3)
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, QCP, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+
AMR	AMR, AMR-NB
FLAC	FLAC
MIDI	GM, GM2, SP-MIDI
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
Ogg Vorbis	Vorbis
PCM	PCM, LPCM
QCELP	QCELP 13, EVRA
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Device Software 4.6.0 and 4.6.1 media support

- BlackBerry Bold series
- BlackBerry Curve series
- BlackBerry Pearl series

BlackBerry Bold series

The following sections detail the audio and video support for BlackBerry Bold series devices running BlackBerry Device Software 4.6.

Supported models and device characteristics

Bold 9000

Feature	Details
Screen size (all devices)	480x320
Pixel density (all devices)	246 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	H.264 (BP, 480x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV
Supported resolution, all codecs	480x320
Supported bit rate, all codecs	Up to 1500 Kbps
Supported frame rate, all codecs	24 fps
Codec support	

Feature	Details
H.263	Profile 0 (Level 30)
H.264	Baseline Profile (BP)
MPEG-4	SP, ASP
WMV 9 (VC-1)	Simple, Main

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+
AMR	AMR, AMR-NB
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
PCM	PCM, LPCM; 2 channel
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Curve series

The following sections detail the audio and video support for BlackBerry Curve series devices running BlackBerry Device Software 4.6.1.

Supported models and device characteristics

Curve 8350i

Curve 8520

Curve 8980

Feature	Details
Screen size (all devices)	**Curve 8350i, 8520:** 320x240 **Curve 8900:** 480x360
Pixel density (all devices)	**Curve 8350i, 8520:** 163 ppi **Curve 8900:** 245 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	**8350i, 8520:** H.264 (BP, 320x240) **Curve 8900:** H.264 (BP, 480x360)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV
Supported resolution (all codecs)	**Curve 8350i, 8520:** 320x240 **Curve 8900:** 480x360
Supported bit rate (all codecs)	**Curve 8350i, 8520:** Up to 768 Kbps **Curve 8900:** Up to 1500 Kbps
Supported frame rate (all codecs)	24 fps

Feature	Details
Codec support	
H.263	**Curve 8350i, 8520:** Profile 0 and 3 (Level 30) **Curve 8900:** Profile 0 and 3 (Level 45)
H.264	**Curve 8350i:** Not supported **Curve 8520, 8900:** Baseline Profile (BP)
MPEG-4	SP, ASP
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+
AMR	AMR, AMR-NB
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
PCM	PCM, LPCM; 2 channel
WMA	WMA 9 Pro, WMA 10 Pro

BlackBerry Pearl series

The following sections detail the audio and video support for BlackBerry Pearl series devices running BlackBerry Device Software 4.6 and 4.6.1.

Supported models and device characteristics

Pearl 9220/8230

Feature	Details
Screen size (all devices)	360x400
Pixel density (all devices)	154 ppi
Recommendations for optimal local playback	
Container	MP4
Video codec	MPEG-4 (SP, 240x320)
Audio codec	AAC LC

Video support details

Feature	Details
Supported video formats	3GP, ASF, AVI, M4V, MP4, WMV
Supported resolution, all codecs	320x240
Supported bit rate, all codecs	Up to 768 Kbps
Supported frame rate, all codecs	24 fps
Codec support	
H.263	Profile 0 and 3 (Level 30)
MPEG-4	SP
WMV 9 (VC-1)	Simple

Audio support details

Feature	Details
Supported audio formats	AAC, AMR, MIDI, M4A, MP3, SPMID, WAV, WMA
Codec support	
AAC	AAC LC, AAC+, eAAC+ (ADTS)
AMR	AMR, AMR-NB
GSM	GSM6.10
MIDI	GM, GM2, SP-MIDI; SMF 0 and 1
MPEG	MPEG 1 (Layer 3), MPEG 2 (Layer 3), MPEG 3 (Layer 3)
PCM	PCM, LPCM; 2 channel
WMA	WMA 9 Pro, WMA 10 Pro