

## Recordable Discs

1 Getting Started



### DVD-RW:

- DVD-RW discs can be formatted for VR mode recording or Video mode recording.
- These Discs can be recorded on repeatedly. Recordings can be erased, then you can record again on the same Disc.

[VR mode]

- Recordings can be extensively edited.
- Playable only on VR mode compatible players (after finalization).

[Video mode]

- Playable on regular DVD players (after finalization)
- Limited editing features.



### DVD-R:

- These Discs can be recorded only once. After you finalize a DVD-R, you cannot record on it or edit it.
- DVD-R discs can be only formatted to Video mode.
- Playable on regular DVD players (after finalization).
- Limited editing features.



### DVD+RW:

- These Discs can be recorded on repeatedly. Recordings can be erased, then you can record again on the same Disc.
- Playable on DVD+RW compatible players (automatically finalization).
- The edited contents are playable on DVD+RW compatible players only after finalization.
- Recordings can be edited the title/chapter



### DVD+R:

- These Discs can be recorded only once. After you finalize a DVD+R, you cannot record on it or edit it any more.
- Playable on DVD+R compatible players (after finalization).
- Any edited contents are not be compatible on DVD+R compatible players. (Hide, chapter combine, added chapter mark, etc.)
- Limited title/chapter editing features.

### Note for recording

Disc type	Disc format	Recording mod	Functions
DVD	Video format	n/a	Playback only
DVD-RW	Video Recording format	VR mode	Playback, recording, Original/Playlist editing
	Video format (default)	Video mode	Playback, limited recording, limited editing
DVD-R	Video format	Video mode	Playback, limited recording, limited editing
DVD+RW	+RW Video format	DVD+RW	Playback, limited recording, Title/Chapter editing
DVD+R	+R Video format	DVD+R	Playback, limited recording, limited Title/Chapter editing

## Recommended recordable DVD discs

<b>DVD-R</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x)
<b>DVD-RW</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x), JVC (4x), Maxell (4x)
<b>DVD+R</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x)
<b>DVD+R(DL)</b>	Mitsubishi (2.4x, 8x)
<b>DVD+RW</b>	Mitsubishi (8x, 16x), HP (4x), Verbatim (4x), Ricoh (4x)

### Note

If a DVD-RW/DVD+RW disc is recorded using a personal computer or other DVD recorder, you cannot format the disc using this recorder. So if you want to use the disc on this recorder, you must format the disc using the original recorder.

## Playable Discs

	<b>DVD-VIDEO (8 cm / 12 cm disc)</b> Discs such as movies that can be purchased or rented.
	<b>Audio CD (8 cm / 12 cm disc)</b> Music CDs or CD-Rs/CD-RWs in music CD format that can be purchased
	<b>CD-R/RW (8 cm / 12 cm disc)</b> CD-R/CD-RW discs that contain audio titles, DivX, MP3, WMA, or JPEG files.

### Note

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/RW) disc itself, some CD-R/RW (or DVD±R/RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). Doing so may result in malfunctions.
- Depending on the recording software & the finalization, some recorded discs (CD-R/RW, DVD±R/RW) may not be playable.
- DVD-R/RW, DVD+R/RW and CD-R/RW discs recorded using a personal computer or a DVD or CD Recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the Recorder's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- This player requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions to ensure compatible playback.
- Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

## Regional Code

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or "ALL".

## File compatibility

### Overall

**Available File extensions:** ".jpg", ".jpeg", ".avi", ".divx", ".mpg", ".mpeg", ".mp4", ".mp3", ".wma"

- Some way files are not supported on this player.
- The file name is limited to 180 characters.
- Depending on the size and number of the files, it may take several minutes to read the contents on the media.

**Maximum Files/Folder:** Less than 1999 (total number of files and folders)

**CD-R/RW, DVD±R/RW Format:**

ISO 9660+JOLIET, UDF and UDF Bridge format

### Video Files

**Available resolution size:** 720 x 576 (W x H) pixels

**Playable subtitle:** ".sml", ".srt",

**Playable Codec format:** "DIV3", "MP43", "DIVX", "DX50"

**Playable Audio format:** "AC3", "PCM", "MP2", "MP3", "WMA"

- Not all the WMA Audio format is compatible with this unit.

**Sampling frequency:** within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA)

**Bit rate:** within 8 - 320kbps (MP3), 32 - 192kbps (WMA)

#### ! Note

- HD video files contained on the CD or USB 1.0/1.1 may not played properly.
- This player supports H.264/MPEG-4 AVC profile Main, High at Level 4.1. For a file with higher level, the warning message will appear on the screen.
- This player does not support files that are recorded with GMC\*<sup>1</sup> or Qpel\*<sup>2</sup>. Those are video encoding techniques in MPEG4 standard, like DivX or XVID have.  
\*<sup>1</sup> GMC – Global Motion Compensation  
\*<sup>2</sup> Qpel – Quarter pixel

### Audio Files

**Sampling frequency:** within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA)

**Bit rate:** within 8 - 320kbps (MP3), 32 - 192kbps (WMA)

#### ! Note

- This unit cannot support the ID3 Tag embedded MP3 file.
- The total playback time indicated on the screen may not correct for VBR files.

### Photo Files

Recommended size:

Less than 4MB recommended

- Progressive and lossless compression photo image files are not supported.
- Depending on the size and number of the JPEG files, it may take several minutes to read the contents of the media.