

Information on CD and DVD media

Media	Limitations	Capacity	What can be recorded	Player Required
CD-ROM (Compact Disc Read Only Memory)	written only once Can only be played or read		text, graphics and hi-fi stereo sound	The audio CD player cannot play CD-ROMs, but CD-ROM players can play audio discs
CD-R (CD-Recordable):	Can be written only once and then read	650MB	text, graphics and hi-fi stereo sound	Must have Burner in drive to create CD
CD-RW (CD ReWritable): CD-RW drives can also be used to write CD-R discs, and they can read CD-ROMs. and CD-RWs	Can be written and re-written until the disk is full. Items can be deleted A CD-RW disc can be rewritten over a thousand times		text, graphics and hi-fi stereo sound	Must have Burner/Read-Write in drive to create CD Can be read on MultiRead CD-ROM drives or CD-RW compatible Audio CD players. support UDF (Universal Disc Format), which means they are designed for read-write interoperability between all the major operating systems as well as compatibility between rewritable and write-once media.
DVD (Digital Versatile Disc):	Can only be played on DVD compatible Drives	the same overall dimensions of a CD, but have significantly higher capacities - holding from 4 to 28 times as much data.	Video, text, graphics and hi-fi stereo sound	DVD player with TV DVD player with Computer
DVD-Audio:	audio-only storage format similar to CD-Audio, can also contain music videos, graphics and other information.	16, 20 and 24-bit samples at a variety of sampling rates from 44.1 to 192KHz, compared to 16 bits and 44.1KHz for CDs	Video, text, graphics and hi-fi stereo sound	DVD player with TV DVD player with Computer
DVD Video:	high quality MPEG2 video and digital surround sound.	Enables multilanguage, multibsubtitling and other advanced user features.	Video, text, graphics and hi-fi stereo sound	DVD player with TV DVD player with Computer
DVD-R (DVD Recordable):	Can be written only once and then read DVD-R offers a write-once, read-many storage format akin to CD-R and is used to master DVD-Video and DVD-ROM discs.		Video, text, graphics and hi-fi stereo sound	DVD player with Computer Must have Burner in drive to create DVD
DVD+R (DVD Recordable)	Can be written only once and then read Proprietary Hewlett-Packard, Mitsubishi Chemical, Philips, Ricoh, Sony and Yamaha		Video, text, graphics and hi-fi stereo sound	Specific Drives +R compatible drives only rewritable format that provides full, non-cartridge, compatibility with existing DVD-Video players and DVD-ROM drives for both real-time video recording and random data recording across PC and entertainment applications.
DVD+RW (DVD ReWritable):	Can be written only once and then read Proprietary Hewlett-Packard, Mitsubishi Chemical, Philips, Ricoh, Sony and Yamaha		Movies, Music, Data	Specific Drives +R compatible drives only rewritable format that provides full, non-cartridge, compatibility with existing DVD-Video players and DVD-ROM drives for both real-time video recording and random data recording across PC and entertainment applications.
DVD-RAM (DVD Random Access Memory):	A rewritable DVD It is a cartridge-based, and more recently, bare disc technology for data recording and playback. DVD-RAM bare discs are fragile and do not guarantee data integrity disc	2.6GB (single sided) or 5.2GB (double sided). DVD-RAM Version 2 discs with 4.7GB arrived in late 1999, and double-sided 9.4GB discs in 2000.	Movies, Music, Data	The current installed base of DVD-ROM drives and DVD-Video players cannot read DVDRAM media.
DVD-ROM (Read Only Memory): First introduced in 1997, this read-only DVD disc is used for.	storing data and interactive sequences as well as audio and video		Movies, Music, Data	DVD-ROMs run in DVD-ROM or DVD-RAM drives, not DVD-Video players connected to TVs and home theaters. However, most DVDROM drives will play DVD-Video movies.
DVD-RW (DVD ReWritable): similar to DVD+RW, but its capability to work as a random access device is not as good as +RW	Can be written and re-written until the disk is full. Items can be deleted	Read-write capacity of 4.7 GB.	Movies, Music ,Data	Must have Burner/Read-Write in drive to create DVD
DVD-Dual R	Double-sided. Can be written only once and then read DVD-R offers a write-once, read-many storage format akin to CD-R and is used to master DVD-Video and DVDROM discs.	Read-write capacity of 8.5 GB.	Movies, Music, Data	