# DVD+R/RW Compatibility Guide (PC Burner Reference )

RITEK

Testing Software : Nero CD-DVD Speed 4.4.13.100

| Drive Name | | Product / Interface | Firmware | Burner Specifications | | | | | | | | | DVD+R/RW Media | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DVD+R/RW Burner | Date of Test | Main Ata/Sata | FW | -R | R8 | +R | +R8 | -DL | +DL | RAW | CDR | CDRW | Ritek(JPN) | Ritek | Ritek | Ritek(JPN) | Ritek | Ritek |
| | | | | | | | | | | | | | RSS | RSS 8X | P16 | RSS-R2 | MKT | R8 |
| | | | | | | | | | | | | | 16X | 8X | 16X | 8X | 16X | 8X |
| ASUS | 04/13 | 2008.10 | 1.23 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.23 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.23 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.23 | 16x | 8x | 16x | 8x | 2.4x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 2.4x | 8x |
| ASUS | ATA | 2004.09 | 1.27 | 8x | 4x | 8x | 4x | | | | 24x | 16x | 8x | 8x | 8x | 4x | 4x | 4x |
| ASUS | ATA | 2004.09 | 1.27 | 8x | 4x | 8x | 4x | | | | 24x | 16x | 8x | 8x | 8x | 4x | 4x | 4x |
| ASUS | ATA | 2004.09 | 1.35 | 16x | 8x | 16x | 8x | 4x | 4x | | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | ATA | 2004.09 | 1.49 | 16x | 8x | 16x | 8x | 4x | 4x | | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | ATA | 2005.12 | 1.41 | 16x | 8x | 16x | 8x | 8x | 8x | | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | 04/13 | 2008.12 | 1.41 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | ATA | 2005.12 | 1.41 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | ATA | 2006.12 | 1.23 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 40x | 24x | 12x | 8x | 16x | 8x | 4x | 4x |
| ASUS | 04/13 | 2008.12 | 1.15 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | ATA | 2007.10 | 1.14 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 16x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.12 | 1.13 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | ATA | 2007.10 | 1.07 | 16x | 8x | 16x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.02 | 20x | 8x | 20x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | ATA | 2006.12 | 1.01 | 20x | 8x | 20x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.01 | 20x | 8x | 20x | 8x | 8x | 8x | 8x | 16x | 24x | 16x | 8x | 16x | 16x | 4x | 4x |
| ASUS | ATA | 2006.12 | 1.01 | 20x | 8x | 20x | 8x | 12x | 12x | 8x | 16x | 24x | 16x | 8x | 16x | 20x | 4x | 4x |
| ASUS | 04/13 | 2008.09 | 1.01 | 20x | 8x | 20x | 8x | 12x | 12x | 8x | 16x | 24x | 16x | 8x | 16x | 20

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PX-760A | ATA | 2006.03 | 1.07 | 18x | 6x | 18x | 8x | 6x | 10x | | 48x | 24x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | PX-800A | ATA | 2007.05 | 1.00 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | - |
| | PX-806SA | SATA | 2008.11 | 1.03 | 20x | 6x | 20x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | PX-810SA | SATA | 2007.08 | 1.01 | 18x | 6x | 18x | 8x | 10x | 10x | 12x | 40x | 32x | 12x | 8x | 16x | 12x | 4x | 4x | 4x | 8x | 8x |
| | PX-820A | ATA | 2008.06 | 1.00 | 20x | 6x | 20x | 8x | 12x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | PX-820SA | SATA | 2008.06 | 1.00 | 20x | 6x | 20x | 8x | 12x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | PX-850A | ATA | 2009.04 | 1.02 | 22x | 6x | 22x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | PX-850SA | SATA | 2009.04 | 1.00 | 22x | 6x | 22x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | PX-870A | ATA | 2009.06 | 1.01 | 22x | 6x | 22x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | PX-880SA | SATA | 2009.07 | 1.13 | 24x | 6x | 24x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| Samsung | SH-B083A | SATA | 2009.11 | SB01 | 16x | 6x | 16x | 8x | 8x | 8x | 5x | 40x | 24x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-B083L | SATA | 2010.03 | SB00 | 16x | 6x | 16x | 8x | 8x | 8x | 12x | 48x | 4x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-W08A | ATA | 2004.04 | 1S31 | 8x | 4x | 8x | 4x | | | | 32x | 16x | 8x | 8x | - | 8x | 4x | 4x | 4x | - | - |
| | SH-W162C | ATA | 2005.08 | TS12 | 16x | 6x | 16x | 8x | 4x | 6x | | 48x | 32x | 16x | 8x | 12x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-S162A | ATA | 2007.05 | TS03 | 16x | 6x | 16x | 8x | 6x | 8x | 5x | 48x | 32x | 16x | 4x | 4x | 16x | 4x | 2.4x | 2.4x | 8x | 8x |
| | SH-S182D | ATA | 2007.05 | SB07 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-S182M | ATA | 2007.05 | SB06 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-S183L | SATA | 2007.04 | SB03 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-S202G | ATA | 2007.10 | SB00 | 20x | 6x | 20x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | SH-S202J | ATA | 2007.07 | SB03 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | SH-S202N | ATA | 2007.09 | SB02 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | SH-S203B | SATA | 2007.10 | SB04 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | SH-S203N | SATA | 2007.12 | SB02 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | SH-S222A | ATA | 2009.02 | SA00 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | SH-S222L | ATA | 2009.02 | SB03 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | SH-S223B | SATA | 2009.05 | SB02 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | SH-S223C | SATA | 2009.09 | SB05 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | SH-S223F | SATA | 2008.06 | SB03 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | SH-S223L | SATA | 2009.05 | SB03 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 22x | 4x | 4x | 4x | 8x | 8x |
| | SH-S223Q | SATA | 2008.09 | SB03 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | SH-S243D | SATA | 2010.03 | SB00 | 24x | 6x | 24x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 22x | 4x | 4x | 4x | 8x | 8x |
| | SH-S243N | SATA | 2009.11 | SB00 | 24x | 6x | 24x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | TS-H542A | ATA | 2004.07 | TS07 | 8x | 4x | 12x | 4x | | | | 40x | 24x | 4x | 8x | 4x | 4x | 4x | 4x | 4x | 4x | 4x |
| | TS-H552B | ATA | 2004.09 | TS12 | 12x | 4x | 16x | 4x | | 2.4x | | 40x | 32x | 12x | 8x | 4x | 4x | 4x | 4x | 4x | 2.4x | 2.4x |
| | TS-H552D | ATA | 2006.01 | CM03 | 16x | 6x | 16x | 8x | 4x | 8x | | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | TS-H552U | ATA | 2006.05 | US09 | 16x | 6x | 16x | 8x | | 8x | | 48x | 32x | 12x | 8x | 4x | 8x | 4x | 4x | 4x | 2.4x | 2.4x |
| | TS-H552L | ATA | 2005.12 | CM02 | 16x | 6x | 16x | 8x | 4x | 8x | | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | TS-H652D | ATA | 2006.07 | CM03 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | TS-H652H | ATA | 2007.10 | CM00 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | TS-H652L | ATA | 2006.05 | CM01 | 16x | 6x | 16x | 8x | 4x | 8x | 5x | 48x | 32x | 16x | 8x | 8x | 8x | 4x | 4x | 4x | 8x | 8x |
| | TS-H652M | ATA | 2006.09 | CM02 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | TS-H652N | ATA | 2007.11 | CM00 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | TS-H653A | SATA | 2007.01 | TI02 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | TS-H653B | SATA | 2007.08 | CM00 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | TS-H653E | SATA | 2008.08 | CM00 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | TS-H653F | SATA | 2008.08 | CM00 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | TS-H653N | SATA | 2009.02 | UO00 | 20x | 6x | 20x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | TS-H662A | ATA | 2009.03 | CM02 | 22x | 6x | 22x | 8x | 12x | 16x | 12x | 48x | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | TS-H663B | SATA | 2009.10 | CM01 | 22x | 6x | 22x | 8x | 12x | 16x | 12 | 48 | 32x | 18x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| Sony | DRU-170C | ATA | 2007.07 | 1.62 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | - |
| | DRU-180A | ATA | 2007.11 | 1.63 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 6x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | DRU-190A | ATA | 2007.10 | 1.65 | 20x | 6x | 20x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 6x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | DRU-190S | SATA | 2007.10 | 1.63 | 20x | 6x | 20x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 6x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | DRU-500A | ATA | 2003.03 | 2.1a | 4x | 2x | 2.4x | 2.4x | | | | 24x | 10x | 4x | 4x | 4x | 4x | 2.4x | 2.4x | - | 2.4x | 2.4x |
| | DRU-510A | ATA | 2003.06 | 1.1a | 4x | 2x | 4x | 4x | | | | 24x | 16x | 4x | 4x | 4x | 4x | 4x | 4x | - | 4x | 4x |
| | DRU-530A | ATA | 2004.03 | 2.1g | 8x | 4x | 8x | 4x | | | | 40x | 24x | 4x | 8x | 4x | 4x | 4x | 4x | 4x | 4x | 4x |
| | DRU-540A | ATA | 2004.06 | 1.0b | 8x | 4x | 12x | 4x | | | | 40x | 24x | 4x | 4x | 4x | - | 4x | 4x | 4x | 4x | 4x |
| | DRU-700A | ATA | 2004.07 | VY08 | 8x | 4x | 8x | 4x | | 2.4x | | 40x | 24x | 8x | 8x | 8x | 8x | 4x | 4x | 4x | - | - |
| | DRU-710A | ATA | 2004.09 | BYX5 | 8x | 4x | 16x | 4x | | 2.4x | | 48x | 24x | 16x | 8x | 8x | 8x | 4x | 4x | 4x | 4x | 4x |
| | DRU-720A | ATA | 2005.02 | JY08 | 16x | 6x | 16x | 8x | | 4x | | 48x | 24x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-800A | ATA | 2005.04 | KY06 | 16x | 6x | 16x | 8x | 4x | 4x | | 48x | 24x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-810A | ATA | 2005.09 | 1.0f | 16x | 6x | 16x | 8x | 4x | 8x | | 48x | 32x | 16x | 8x | 16x | 8x | 4x | 4x | 4x | 8x | 8x |
| | DRU-820A | ATA | 2006.03 | 1.0c | 16x | 6x | 16x | 8x | 4x | 8x | 5x | 48x | 32x | 8x | 8x | 16x | 4x | 4x | 4x | 4x | 8x | 8x |
| | DRU-830A | ATA | 2006.10 | SS25 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-835A | ATA | 2007.05 | SS02 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 8x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-840A | ATA | 2007.09 | SS01 | 20x | 6x | 20x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | DRU-845S | SATA | 2007.12 | SS00 | 20x | 6x | 20x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 18x | 4x | 4x | 4x | 8x | 8x |
| | DRU-865S | SATA | 2008.12 | 1.61 | 22x | 6x | 22x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 20x | 4x | 4x | 4x | 8x | 8x |
| | DRU-870S | SATA | 2009.08 | 1.60 | 24x | 6x | 24x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-875S | SATA | 2009.06 | 1.61 | 24x | 6x | 24x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-880S | SATA | 2010.08 | 1.60 | 24x | 8x | 24x | 8x | 12x | 12x | 12x | 48x | 32x | 16x | 8x | 16x | 24x | 4x | 4x | 4x | 8x | 8x |
| | DRU-V200A | ATA | 2008.08 | 1.60 | 20x | 6x | 20x | 8x | 12x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-V200S | SATA | 2008.11 | 1.60 | 20x | 6x | 20x | 8x | 12x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DRU-V202A | ATA | 2009.03 | 1.60 | 20x | 6x | 20x | 8x | 12x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DW-Q30A | ATA | 2005.12 | YYS7 | 16x | 6x | 16x | 8x | 4x | 8x | | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DW-G110A | ATA | 2005.12 | 2.0d | 16x | 6x | 16x | 8x | 4x | 8x | 5x | 40x | 24x | 16x | - | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DW-G120A | ATA | 2006.03 | MYS6 | 16x | 6x | 16x | 8x | 4x | 8x | 5x | 48x | 24x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | DW-Q120A | ATA | 2006.04 | PYS3 | 16x | 6x | 16x | 8x | 4x | 8x | | 48x | 24x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | AW-G170A | ATA | 2006.11 | 1.60 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | - |
| | AW-G170S | SATA | 2007.09 | 1.73 | 18x | 6x | 18x | 8x | 8x | 8x | 12x | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |
| | AW-Q170A | ATA | 2007.04 | 1.74 | 18x | 6x | 18x | 8x | 8x | 8x | | 48x | 32x | 16x | 8x | 16x | 16x | 4x | 4x | 4x | 8x | 8x |

| | |
|---|---|
| | : Spin down |
| | : Code in fixed speed |
| | : Over clock |
| | : Firmware is updated to new version. |
| | : Newly added burner model. |
| - | : Non Support |