

DIP SWITCH - I/O PORT ADDRESS

DIP switch 1 (SW1) of the interface card assigns the input/output (I/O) port address for the CD-ROM drive. The default I/O port address is 300h through 303h. Table 1 lists the settings of DIP switch SW1 and the corresponding I/O port selections.

SW1 Default Setting

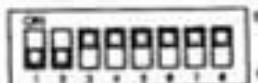


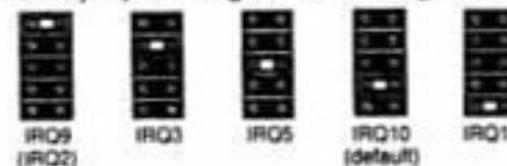
Table 1

POSITION		PORT ADDRESS		POSITION		PORT ADDRESS	
1	2	3	4	5	6	7	8
11000000	300h	301h, 302h & 303h	11100000	390h	381h, 382h & 383h		
11000001	304h	305h, 306h & 307h	11100001	384h	385h, 386h & 387h		
11000010	308h	309h, 30Ah & 30Bh	11100010	388h	389h, 38Ah & 38Bh		
11000011	30Ch	30Dh, 30Eh & 30Fh	11100011	38Ch	38Dh, 38Eh & 38Fh		
11000100	310h	311h, 312h & 313h	11100100	390h	391h, 392h & 393h		
11000101	314h	315h, 316h & 317h	11100101	394h	395h, 396h & 397h		
11000110	318h	319h, 31Ah & 31Bh	11100110	398h	399h, 39Ah & 39Bh		
11000111	31Ch	31Dh, 31Eh & 31Fh	11100111	39Ch	39Dh, 39Eh & 39Fh		
11001000	320h	321h, 322h & 323h	11101000	3A0h	3A1h, 3A2h & 3A3h		
11001001	324h	325h, 326h & 327h	11101001	3A4h	3A5h, 3A6h & 3A7h		
11001010	328h	329h, 32Ah & 32Bh	11101010	3A8h	3A9h, 3AAh & 3ABh		
11001011	32Ch	32Dh, 32Eh & 32Fh	11101011	3ACh	3ADh, 3AEh & 3AFh		
11001100	330h	331h, 332h & 333h	11101100	3B0h	3B1h, 3B2h & 3B3h		
11001101	334h	335h, 336h & 337h	11101101	3B4h	3B5h, 3B6h & 3B7h		
11001110	338h	339h, 33Ah & 33Bh	11101110	3B8h	3B9h, 3BAh & 3BBh		
11001111	33Ch	33Dh, 33Eh & 33Fh	11101111	3BCh	3BDh, 3BEh & 3BFh		
11010000	340h	341h, 342h & 343h	11110000	3C0h	3C1h, 3C2h & 3C3h		
11010001	344h	345h, 346h & 347h	11110001	3C4h	3C5h, 3C6h & 3C7h		
11010010	348h	349h, 34Ah & 34Bh	11110010	3C8h	3C9h, 3CAh & 3CBh		
11010011	34Ch	34Dh, 34Eh & 34Fh	11110011	3CCh	3CDh, 3CEh & 3CFh		
11010100	350h	351h, 352h & 353h	11110100	3D0h	3D1h, 3D2h & 3D3h		
11010101	354h	355h, 356h & 357h	11110101	3D4h	3D5h, 3D6h & 3D7h		
11010110	358h	359h, 35Ah & 35Bh	11110110	3D8h	3D9h, 3DAh & 3DBh		
11010111	35Ch	35Dh, 35Eh & 35Fh	11110111	3DCh	3DDh, 3DEh & 3DFh		
11011000	360h	361h, 362h & 363h	11111000	3E0h	3E1h, 3E2h & 3E3h		
11011001	364h	365h, 366h & 367h	11111001	3E4h	3E5h, 3E6h & 3E7h		
11011010	368h	369h, 36Ah & 36Bh	11111010	3E8h	3E9h, 3EAh & 3EBh		
11011011	36Ch	36Dh, 36Eh & 36Fh	11111011	3ECh	3EDh, 3EEh & 3EFh		
11011100	370h	371h, 372h & 373h	11111100	3F0h	3F1h, 3F2h & 3F3h		
11011101	374h	375h, 376h & 377h	11111101	3F4h	3F5h, 3F6h & 3F7h		
11011110	378h	379h, 37Ah & 37Bh	11111110	3F8h	3F9h, 3FAh & 3FBh		
11011111	37Ch	37Dh, 37Eh & 37Fh	11111111	3FCh	3FDh, 3FEh & 3FFh		

1: SW OFF BASE ADDRESS
0: SW ON

IRQ Channel

If you wish to use either the 16 bits DMA transfer or the Software Interrupt transfer option, you must assign an IRQ (interrupt request) channel to the CD-ROM drive interface card that is not being used by any other interface cards on your computer. The IRQ channel you assign to the CD-ROM interface card must be the same as the interrupt channel you select during software installation (when running the SETUP program). The IRQ channel settings available on the CD-ROM interface and the jumper setting for these settings are shown below.



DMA (DRO) Channel

If you wish to use DMA transfer, you must assign an unused DMA channel for the CD-ROM interface card. The specified DMA channel must be the same as the DMA channel selected during software installation (when running the SETUP program). The jumper setting for each DMA channel is shown below.



We recommend choosing either the 16 bit DMA transfer or the software interrupt transfer options from device driver MTMCDAS.SYS. These options provide better performance for your CD-ROM drive. The 16 bit DMA transfer needs an unused DMA channel and an unused IRQ channel, however, Software Interrupt transfer does not need any DMA channel, it needs an unused IRQ channel. In case the DMA channel required for 16 bit DMA transfer is in conflict with the existing DMA channel setting on your computer, Software Interrupt transfer is recommended.

If either IRQ10 or DMA5 (default channel) is not available on your computer, then you must select alternative settings for these parameters. Be sure to configure the interface card to match the alternative settings chosen.

If there are no unused DMA channels or no unused IRQ channels available on your computer, then you can choose the software polling transfer device driver MTMCDAS.SYS.