

digidesign

MasterList CD 1.4 Compatible CD Recorders Specification Grid

Manufacturer	Model	Write speed	Buffer Size/MegaBytes	Disc-at-Once Write Mode	Track-at-Once Write Mode (see 4)	Mandatory Track Spacing	Variable 1st Track Number	Begin/End Access Point Offsets	Number of Tracks	No. of Index Points per Track	Limit of PQ subcode changes per CD	Writes Catalog Code	Writes ISRC Code	Writes Copy Prohibit	Writes Emphasis	Writes SCMS	Supports Daisy Chaining [7]	Tested Firmware	SCSI II Connector	CD Caddy	Requires LSB First (for Image Mode)	Manufacturer Recommended Media for Audio Purposes	Recommended by Digidesign †
Hewlett Packard	SureStore 6020i/6020es	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	see (16)	•	•	•	•	•	•	1.07				Hewlett Packard, TDK	•
Hewlett Packard	CD-R 4020i	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	200	•	see (12)	•	•	•	•	1.25 (1)				Hewlett Packard, TDK	•
JVC	XRW-2010	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	395	•	•	•	•	•	•	1.35				JVC, TDK	•
JVC	XR-W2001/S201	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	400	•	•	•	•	•	•	2.35				TDK, JVC	•
Kodak	PCD-225	1x, 2x	2-32 M	•	•	•	•	•	1 to 99	0 to 99 (10)	see (5)	•	see (9)	•	•	•	•	1.05/1.07	•			Kodak Info Guard	•
Marantz	CDR-620	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	200	•	see (12)	•	•	•	•	1.25 (1)				Marantz, Taiyo Yuden	•
Philips	CDD-2600	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	see (16)	•	•	•	•	•	•	1.07				TDK, KAO, Ricoh	•
Philips	CDD-2000	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	200	•	see (12)	•	•	•	•	1.25 (1)				TDK, KAO, Ricoh	•
Philips	CDD-522	1x, 2x	2-32 M	•	•	•	•	•	1 to 99	0 to 99 (10)	see (5)	•	see (9)	•	•	•	•	1.04/1.07	•			Philips	•
Pinnacle Micro	RCD-5040	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	395	•	•	•	•	•	•	1.35				DOT	•
Pinnacle Micro	RCD-1000	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	400	•	•	•	•	•	•	2.35 (11)				DOT	•
Pinnacle Micro	RCD-5020	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	400	•	•	•	•	•	•	2.35 (11)				DOT	•
Ricoh	MP6201	1x, 2x	2 M	•	•	•	•	•	1 to 99	0 to 99	9900	•	•	•	•	•	•	1.1				Ricoh, 3M, MTC, TDK	•
Ricoh	MP6200S	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	9900	•	•	•	•	•	•	1.1				Ricoh, 3M, MTC, TDK	(15)
Ricoh	1420-C	1x, 2x	512k-2M	•	•	•	•	•	1 to 99	0 to 99	9801	•	•	(8)(3)	•	see (3)	•	1.4x				Ricoh, 3M, MTC, TDK	•
Ricoh	RS1060-C	2x only	512 k	•	•	•	•	•	1 to 76	0 to 1	•	•	•	•	•	•	•	1.31				Ricoh, MTC, TDK	•
Sony	CSP 9405/9411S/CDU 9245	1x, 2x	256k-1M	•	•	•	•	•	1 to 99	0 to 99	448	•	•	•	•	•	•	1.1c				Sony, Taiyo Yuden	•
Sony	CSP-9205/9211S	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	448	•	•	•	•	•	•	1.1C/2.08				Sony, Taiyo Yuden	•
Sony	CDW-900E	1x, 2x	3 M	•	•	•	•	•	1 to 99	0 to 99	•	•	•	•	•	•	•	1.14				Sony, Taiyo Yuden	•
Studer	D741	1x, 2x	1 M	•	•	•	•	•	1 to 99	0 to 99	200	•	see (12)	•	•	•	•	1.25 (1)				Studer, Ricoh	•
Yamaha	CDR400i/CDR400c	1x, 2x, 4x	2 M	•	•	•	•	•	1 to 99	0 to 99	4094 (13)	•	•	•	•	•	•	1.0d		(14)		Yamaha, TDK, MTC (2)	•
Yamaha	CDE-100	1x, 2x, 4x	512 k	•	•	•	•	•	1 to 99	0 to 99	4094	•	•	•	•	•	•	1.10 (6)				Yamaha, TDK, MTC (2)	•
Yamaha	CDE-102	1x, 2x	512 k	•	•	•	•	•	1 to 99	0 to 99	4094	•	•	•	•	•	•	1.00				Yamaha, TDK, MTC (2)	•

† "Digidesign Recommended" CD recorders pass Digidesign's test for high-quality CD-DA production when Digidesign's Requirements for Professional Disc Creation are adhered to.

Digidesign's Requirements for Professional Disc Creation

- For Duplication-Master or Professional Reference Disc Production
- Use 2x or 4x real-time write speed
- Use the specific media recommended by the CD recorder manufacturer
- Use Disc-at-Once write mode

For CD-Recorder technical enquiries, please call the respective manufacturer at the following numbers:

Hewlett Packard (US)
Tel: (800) 810-0314 (Product Information)
Fax: (970) 667-0997
BBS: (970) 635-0650
Technical Support (970) 635-1575

Pinnacle Micro (US)
Tel: (800) 553-7070
Fax: (714) 789 3097
Support: (714) 789 3200
BBS: (714) 789-3048

JVC (US)
Tel: (508) 475-8128

JVC (UK)
Tel: 0-(181) 902-8812
Fax: 0-(181) 900-0941

Eastman Kodak (US)
Tel: (800) CD-KODAK

Kodak Europe (Germany)
Tel: 0-(711) 406-3404
Fax: 0-(711) 406-2636

Philips (US)
Tel: (408) 453-7373
Fax: (408) 453-6444

Studer (US)
Tel: (615) 399-2199
Fax: (615) 367-9046

Ricoh (US)
Tel: (800) 955-3453

Ricoh Deutschland GmbH
Tel: (49) 6196-9060
Fax: (49) 6196 45104

Yamaha (US)
Tel: (800) 543-7457

Yamaha Kemble UK
Tel: 01908-366700
Fax: 01908-368872

Sony (US)
Tel: (800) 352-SONY

Sony Europa GmbH
Tel: (49) 221-5966-0
Fax: (49) 221-5966-349

Marantz (US)
SuperScope Technologies
Tel: (708) 820-4800
Fax: (708) 820-8103

Pinnacle Asia
Tel: (81) 3-52-617171
Fax: (81) 3-32-357621

Pinnacle Europe (Netherlands)
Tel: (31) 20-65-34949
Fax: (31) 20-60-37291

Marantz Europe (Netherlands)
Tel: (31) 40-73-589
Fax: (31) 40-73-5578

Ricoh UK Ltd
Tel: 0181-751-6611
Fax: 0181-895566

Yamaha Australia
Tel: (613) 699-2388
Fax: (613) 699-2322

Ricoh France SA
Tel: (33) 1-40-94-38-38
Fax: (33) 1-46-30-18-48

Ricoh Italia SpA
Tel: (39) 45-8510044
Fax: (39) 45 8510009

Sony Japan
Tel: (03) 5448-2111
Fax: (03) 5448-5577

Sony Asia (Hong Kong)
Tel: 2956-0888
Fax: 2956-4888

Sony Australia
Tel: (61) 2-887-6666
Fax: (61) 2-887-4351

- Firmware version 1.24 is not supported due to a problem in this firmware version which causes the left and right audio channels to be reversed when written to disc
- 4x writing requires 4x certified media
- MasterList CD version 1.3 or higher will support SCMS and optional selection of Copy Prohibit with the Ricoh RS 1420-C and firmware version 1.5 or higher
- MasterList CD supports only disc-at-once mode on CD Recorders that support both disc-at-once and track-at-once write modes
- Allows up to 100 index points per disc in addition to all index 0s and index 1s
- Firmware versions 1.07/1.08 require Copy Prohibit flag to be set on each CD track to avoid clicks occurring at ends of tracks. MLC 1.2 or higher automatically enforces flag assignment with these firmware versions
- For simultaneous recording of CDs on multiple machines (must be all the same model)
- Firmware version 1.4x requires all tracks have copy prohibit flag set
- These CD recorders do support Copy Prohibit, but due to limitations in the tested firmware version, all Copy Prohibit flags must be off. (Drive will appear to write flags, but when analyzed, none are present.)
- The first track on the CD can only have index 0 and index 1
- Units using Drive A versions, (units whose s/n is less than 4471180), must be upgraded to firmware v.2.35 for compatibility with MasterList CD 1.2 or higher. This upgrade is available directly from Pinnacle Micro. Please use the contact details listed above. Please note: Firmware 2.35 is incompatible with Drive A for operations other than CD-DA recording (performed by other third party software developers)
- Due to limitations in the tested firmware version, IRSC codes are supported, but may be written intermittently with large numbers of tracks/index points.
- Each Disc Catalog Code and ISRC Code effectively equal two PQ code changes for each instance
- CDR400c = CD caddy model. CDR400i = CD tray model.
- When analyzed on certain highly-sensitive CD Analyzers, CD-DA discs created using the Ricoh MP6200S may occasionally exhibit isolated instances of data errors in the vicinity where "Lead-In" data ends. While this does not affect the playing of such a disc, there is a possibility that a duplication facility using such a CD Analyzer may reject the disc as a professional CD-DA master. For this reason, the Ricoh MP6200S is not fully recommended by Digidesign.
- Allows up to 98 index points per disc in addition to all index 0s and index 1s