

JITTER CHECK TEST CD TEXT

For Checking CD Players and CD Drives

SCD-4000

1. Purpose of use, Features

SCD-4000 is a test disc that was produced for the purpose of operation check of the player to the CD with high jitter value.

- ✓ Jitter value is 36 nsec at track 1.
- ✓ Such as the reflective layer, functions as a CD, there is only up to 80mm in a diameter.
- ✓ Diameter of the substrate of this disc is 120mm, same as a regular CD. Therefore, outside of the 80mm of this disc is transparent.
- ✓ In block 0, the text data is recorded as the character code of English (Modified ISO8859-1). And Japanese Kanji (Music Shift-JIS Kanji) in block 1.

In the text, the following information is recorded. Please see SCD-4000 CD TEXT Contents at chapter 4.

- \$80 : Title of Album name and Track Titles
- \$81 : Name of the performer
- \$82 : Name of the songwriter
- \$83 : Name of the composer
- \$84 : Name of the arranger
- \$85 : Message from content provider and/or artist
- \$86 : Disc Identification information
- \$8E : UPC/EAN code of the album, and ISRC code of each track
- \$8F : Size information of the Block (Not text data)

2. Specifications

- ✓ Disc type : CD TEXT Mode CD-DA Disc
 - ✓ Time : 18min. 27sec.
 - ✓ Physics
 - Outer diameter : 120 ± 0.3 mm
 - Center hole diame : 15.0 +0.1/ -0 mm
 - Thickness : 1.2 +0.3/ -0.1 mm
 - Reflective coat : As 80mm disc
 - Scanning velocity : 1.25 m/s (ref.)
 - Track pitch : 1.6µm (ref.)
 - ✓ Eccentricity : ≤60µm (0-p)
 - ✓ Radial tilt : Below ±0.6 deg
 - ✓ Jitter (3T) : 36 nsec at Track No.1
- Other parameters comply with "Compact Disc Digital Audio System".

3. Contents

Track No.	Time		Contents	Channel	Level dB	Emphasis
	min	sec				
1	5	34	F.Chopin/Fantasie Inromptu in C-Sharp Minor,Op.66	L & R	-	OFF
2	0	56	1kHz	L & R	-10	OFF
3	3	02	E.H.Grieg/Piano Concerto in A Minor Op.16	L & R	-	OFF
4	0	56	1kHz	L & R	-10	OFF
5	2	44	Rimskii-Korsakov/Flight of the Bumble Bee	L & R	-	OFF
6	0	56	1kHz	L & R	-10	OFF
7	2	49	F.Chopin/Etude in E Major, Op.10-3	L & R	-	OFF
8	0	56	1kHz	L & R	-10	OFF
TOTAL TIME (Including pause time) 18min 27sec						

Values in this specification sheet are measured by the equipments ALMEDIO-owned.

4. SCD-4000 CD TEXT Contents (CD TEXT Mode for the Lead-In Area, MODE = 4)

(1) English (Modified ISO8859-1)

ID1 \$80 Title of Album name and Track Titles

Track No	ID2 hex	CONTENTS
0	00	A-BEX SCD-3500 Single CD TEXT CHECK DISC
1	01	Fantasia Inpromptu in C-Sharp Minor,Op.66
2	02	1kHz-10dB L&R
3	03	Piano Concerto in A Minor Op.16
4	04	1kHz -10dB L&R
5	05	Flight of the Bumble Bee
6	06	1kHz-10dB L&R
7	07	Etude in E Major, Op.10-3
8	08	1kHz-10dB L&R

ID1 \$85 Message from content provider and/or artist

Track No	ID2 hex	CONTENTS
0	00	Message Area : Manufacture by ALMEDIO Inc. URL http://www.almedio.co.jp/
1	01	Message Data Area : TNO1
2	02	Message Data Area : TNO2
3	03	Message Data Area : TNO3
4	04	Message Data Area : TNO4
5	05	Message Data Area : TNO5
6	06	Message Data Area : TNO6
7	07	Message Data Area : TNO7
8	08	Message Data Area : TNO8

ID1 \$81 Name of the performer

Track No	ID2 hex	CONTENTS
0	00	Name of the performer Data Area
1	01	Name of the performer Data Area : TNO1
2	02	Name of the performer Data Area : TNO2
3	03	Name of the performer Data Area : TNO3
4	04	Name of the performer Data Area : TNO4
5	05	Name of the performer Data Area : TNO5
6	06	Name of the performer Data Area : TNO6
7	07	Name of the performer Data Area : TNO7
8	08	Name of the performer Data Area : TNO8

ID1 \$86 Disc Identification information

Track No	ID2 hex	CONTENTS
0	00	Disc Information Data Area : Single CD TEXT CHECK DISC

ID1 \$8E UPC/EAN code of the album, and ISRC code of each track

Track No	ID2 hex	CONTENTS
0	00	POS Code Area
1	01	ISRC : TNO1
2	02	ISRC : TNO2
3	03	ISRC : TNO3
4	04	ISRC : TNO4
5	05	ISRC : TNO5
6	06	ISRC : TNO6
7	07	ISRC : TNO7
8	08	ISRC : TNO8

ID1 \$82 Name of the songwriter

Track No	ID2 hex	CONTENTS
0	00	Name of the Songwriter Data Area
1	01	Name of the Songwriter Data Area : TNO1
2	02	Name of the Songwriter Data Area : TNO2
3	03	Name of the Songwriter Data Area : TNO3
4	04	Name of the Songwriter Data Area : TNO4
5	05	Name of the Songwriter Data Area : TNO5
6	06	Name of the Songwriter Data Area : TNO6
7	07	Name of the Songwriter Data Area : TNO7
8	08	Name of the Songwriter Data Area : TNO8

ID1 \$8F Size information of the Block

Track No	ID2 hex	CONTENTS
0	00	8F 00 AC 00 00 01 08 00 13 1D 1E 1C 1C 17 05 00 (hex)
1	01	8F 01 AD 00 00 00 00 00 00 0A 03 AE B2 00 00 (hex)
2	02	8F 02 AE 00 00 00 00 00 09 69 00 00 00 00 00 (hex)

ID1 \$83 Name of the composer

Track No	ID2 hex	CONTENTS
0	00	Name of the Composer Data Area
1	01	Name of the Composer Data Area : TNO1
2	02	Name of the Composer Data Area : TNO2
3	03	Name of the Composer Data Area : TNO3
4	04	Name of the Composer Data Area : TNO4
5	05	Name of the Composer Data Area : TNO5
6	06	Name of the Composer Data Area : TNO6
7	07	Name of the Composer Data Area : TNO7
8	08	Name of the Composer Data Area : TNO8

ID1 \$84 Name of the arranger

Track No	ID2 hex	CONTENTS
0	00	Name of the Arranger Data Area
1	01	Name of the Arranger Data Area : TNO1
2	02	Name of the Arranger Data Area : TNO2
3	03	Name of the Arranger Data Area : TNO3
4	04	Name of the Arranger Data Area : TNO4
5	05	Name of the Arranger Data Area : TNO5
6	06	Name of the Arranger Data Area : TNO6
7	07	Name of the Arranger Data Area : TNO7
8	08	Name of the Arranger Data Area : TNO8

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(2) Japanese·Kanji (Music Shift-JIS Kanji)

ID1 \$80 Title of Album name and Track Titles

Track No.	ID2 hex	CONTENTS
0	00	A-BEX SCD-3500 Single CD テキストチェックディスク
1	01	幻想即興曲 嬰ハ短調 作品66
2	02	1kHz - 10 d B ステレオ
3	03	ピアノ協奏曲 イ短調 作品16
4	04	1kHz - 10 d B ステレオ
5	05	くまんばちの飛行
6	06	1kHz - 10 d B ステレオ
7	07	別れの曲
8	08	1kHz - 10 d B ステレオ

ID1 \$85 Message from content provider and/or artist

Track No.	ID2 hex	CONTENTS
0	00	メッセージ・データ・エリア：製造元 株式会社アルメディア URL http://www.almedio.co.jp/
1	01	メッセージ・データ・エリア：TNO1
2	02	メッセージ・データ・エリア：TNO2
3	03	メッセージ・データ・エリア：TNO3
4	04	メッセージ・データ・エリア：TNO4
5	05	メッセージ・データ・エリア：TNO5
6	06	メッセージ・データ・エリア：TNO6
7	07	メッセージ・データ・エリア：TNO7
8	08	メッセージ・データ・エリア：TNO8

ID1 \$81 Name of the performer

Track No.	ID2 hex	CONTENTS
0	00	演奏者名データ・エリア
1	01	演奏者名データ・エリア：TNO1
2	02	演奏者名データ・エリア：TNO2
3	03	演奏者名データ・エリア：TNO3
4	04	演奏者名データ・エリア：TNO4
5	05	演奏者名データ・エリア：TNO5
6	06	演奏者名データ・エリア：TNO6
7	07	演奏者名データ・エリア：TNO7
8	08	演奏者名データ・エリア：TNO8

ID1 \$86 Disc Identification information

Track No.	ID2 hex	CONTENTS
0	00	Disc Information Data Area：Single CD TEXT CHECK DISC

ID1 \$8E UPC/EAN code of the album, and ISRC code of each track

Track No.	ID2 hex	CONTENTS
0	00	POS Code Area
1	01	ISRC：TNO1
2	02	ISRC：TNO2
3	03	ISRC：TNO3
4	04	ISRC：TNO4
5	05	ISRC：TNO5
6	06	ISRC：TNO6
7	07	ISRC：TNO7
8	08	ISRC：TNO8

ID1 \$82 Name of the songwriter

Track No.	ID2 hex	CONTENTS
0	00	作詞者名データ・エリア
1	01	作詞者名データ・エリア：TNO1
2	02	作詞者名データ・エリア：TNO2
3	03	作詞者名データ・エリア：TNO3
4	04	作詞者名データ・エリア：TNO4
5	05	作詞者名データ・エリア：TNO5
6	06	作詞者名データ・エリア：TNO6
7	07	作詞者名データ・エリア：TNO7
8	08	作詞者名データ・エリア：TNO8

ID1 \$8F Size information of the Block

Track No.	ID2 hex	CONTENTS
0	00	8F 00 B0 90 80 01 08 00 19 19 19 19 24 05 00 (hex)
1	01	8F 01 B1 90 00 00 00 00 00 0A 03 AE B2 00 00 (hex)
2	02	8F 02 B2 90 00 00 00 00 09 69 00 00 00 00 00 (hex)

ID1 \$83 Name of the composer

Track No.	ID2 hex	CONTENTS
0	00	作曲者名データ・エリア
1	01	作曲者名データ・エリア：TNO1
2	02	作曲者名データ・エリア：TNO2
3	03	作曲者名データ・エリア：TNO3
4	04	作曲者名データ・エリア：TNO4
5	05	作曲者名データ・エリア：TNO5
6	06	作曲者名データ・エリア：TNO6
7	07	作曲者名データ・エリア：TNO7
8	08	作曲者名データ・エリア：TNO8

ID1 \$84 Name of the arranger

Track No.	ID2 hex	CONTENTS
0	00	編曲者名データ・エリア
1	01	編曲者名データ・エリア：TNO1
2	02	編曲者名データ・エリア：TNO2
3	03	編曲者名データ・エリア：TNO3
4	04	編曲者名データ・エリア：TNO4
5	05	編曲者名データ・エリア：TNO5
6	06	編曲者名データ・エリア：TNO6
7	07	編曲者名データ・エリア：TNO7
8	08	編曲者名データ・エリア：TNO8

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<Proper handling of the disc>

Do not write on the surface with a pen and others, nor put a sticker on it.

Do not expose the disc to direct sunlight, nor leave it in the place of high temperature and high humidity.

After playing, store the disc in its own case.

ALMEDIO INC.

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