

TEST BD-R/ -RE TL (BDXL)

For Checking BD Players, BD Recorders and BD Drives ABD-R560W/ -RE560W

1. Purpose of use , Features

ABD-R560W/-RE560W are Test Discs designed for confirmation of various kind of operation, evaluation, measurement and adjustment of BD Players, Recorders and Drives.

Each layer have one title individually. Since the information of Layer and Chapter exist in the streaming data, it is available to confirm the playback position.

Chapter16 of layer0 and layer1 switched to next layer a few seconds, then it can check that layer change.

2. Specification

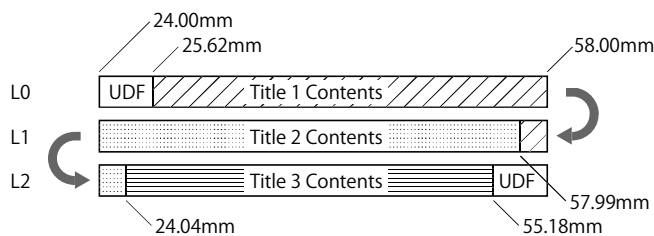
- Disc type : BD-R Single Sided Triple Layer(BDXL TL) ABD-R560W
BD-RE Single Sided Triple Layer(BDXL TL) ABD-RE560W
- Recorded format : BDAV
- Recorded Capacity : 100 GB
- Recorded Time : 8hr 16min 9sec
- Video codec : MPEG-2 MP@HL
- Bit rate : 24 Mbps CBR
- Video Resolution : 1920 x 1080i
- Menu : None(Auto start)
- Subtitle : Exist (Indicates Layer No. and Chapter No.)
- Physical Characteristics : Complies BD-R/RE Part 1 Basic Format Specifications (BDXL)
Note: Spec of Random SER and iMLSE are specified by under table and data sheet is attached the disc.

		ABD-R560W	ABD-RE560W	BD-R/ RE TL Specifications
Random SER		$<1.0 \times 10^{-3}$	$<1.0 \times 10^{-3}$	$<2.0 \times 10^{-4}$
iMLSE	L0	$\leq 13.0\%$	$\leq 12.5\%$	$\leq 11.0\%$
	L1	$\leq 13.5\%$	$\leq 13.0\%$	$\leq 11.5\%$
	L2	$\leq 14.0\%$	$\leq 13.5\%$	$\leq 12.0\%$

- UDF & File System : BD-R TL UDF 2.6 Complies BD-R Part 2 File System Spec.Ver. 1.1
BD-RE TL UDF 2.5 Complies BD-RE Part 2 File System Spec. Ver. 2.1
- Application : Complies BD-RE Part 3 Audio Visual Basic Specifications Ver. 2.1
- Content protection : none

3. Recorded area

This disc recorded to last recordable address(LSN=2E9D3FFh). The data of MPEG-2 contents are recorded from 25.62mm of Layer0 to 55.18mm of Layer2. Other areas are UDF control area.



	Playback time	Capacity
L0	2hr 48min 45sec	32,416,948,224 bytes
L1	2hr 53min 44sec	33,377,329,152 bytes
L2	2hr 33min 40sec	29,519,579,136 bytes

The basic concept of each layer

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

4. Content

Layer	Title	Chapter	Time		Video Description		Audio Stream			Start Position ※1		
			min	sec	Contents (1920x1080i)	Rate Mbps	MPEG-1 audio		Rate kbps	Radius mm	PSN hex	LSN hex
							Lch	Rch				
0	1	1	01	52	Motion Picture	24	Music	384	25.62	172E80	72E80	
		2	07	29	Motion Picture	24	Music	384	26.20	19D754	9D754	
		3	08	05	Motion Picture	24	Music	384	28.40	248D07	148D07	
		4	08	42	Motion Picture	24	Music	384	30.60	3021C1	2021C1	
		5	09	18	Motion Picture	24	Music	384	32.80	3C9238	2C9238	
		6	09	54	Motion Picture	24	Music	384	35.00	49DE8B	39DE8B	
		7	10	30	Motion Picture	24	Music	384	37.20	5809C0	4809C0	
		8	11	06	Motion Picture	24	Music	384	39.40	6710E0	5710E0	
		9	11	42	Motion Picture	24	Music	384	41.60	76F6BF	66F6BF	
		10	12	19	Motion Picture	24	Music	384	43.80	87B881	77B881	
		11	12	55	Motion Picture	24	Music	384	46.00	99560B	89560B	
		12	13	31	Motion Picture	24	Music	384	48.20	ABD279	9BD279	
		13	14	07	Motion Picture	24	Music	384	50.40	BF2ADB	AF2ADB	
		14	14	43	Motion Picture	24	Music	384	52.60	D35EF7	C35EF7	
		15	15	20	Motion Picture	24	Music	384	54.80	E871FA	D871FA	
		1	2	16	07	09	Motion Picture	24	Music	384	57.00	FE60DF
1	07			10	Motion Picture	24	Music	384	58.00	2F76400	F89C00	
2	15			20	Motion Picture	24	Music	384	57.99	2F77D00	F8B500	
3	14			43	Motion Picture	24	Music	384	56.99	301BBA9	102F3A9	
4	14			07	Motion Picture	24	Music	384	54.79	317AD9D	118E59D	
5	14			07	Motion Picture	24	Music	384	52.59	32CBD7D	12DF57D	
6	13			31	Motion Picture	24	Music	384	50.39	340F4A0	1422CA0	
7	12			55	Motion Picture	24	Music	384	48.19	3544CE7	15584E7	
8	12			19	Motion Picture	24	Music	384	45.99	366C963	1680163	
9	11			42	Motion Picture	24	Music	384	43.79	37866F8	1799EF8	
10	11			06	Motion Picture	24	Music	384	41.58	38928B7	18A60B7	
11	10			30	Motion Picture	24	Music	384	39.38	3990E9E	19A469E	
12	09			54	Motion Picture	24	Music	384	37.18	3A815A7	1A94DA7	
13	09			18	Motion Picture	24	Music	384	34.98	3B63DD2	1B775D2	
14	08			42	Motion Picture	24	Music	384	32.78	3C38D27	1C4C527	
15	08			05	Motion Picture	24	Music	384	30.58	3CFFDA3	1D135A3	
16	07	29	Motion Picture	24	Music	384	28.38	3DB8F41	1DC6741			
2	3	16	06	47	Motion Picture	24	Music	384	26.17	3E64815	1E78015	
		1	06	53	Motion Picture	24	Music	384	24.00	4100000	1F13800	
		2	07	29	Motion Picture	24	Music	384	24.04	4102B40	1F16340	
		3	08	05	Motion Picture	24	Music	384	26.23	41A0218	1FB3A18	
		4	08	42	Motion Picture	24	Music	384	28.43	424BAF9	205F2F9	
		5	08	42	Motion Picture	24	Music	384	30.63	4304C8D	211848D	
		6	09	18	Motion Picture	24	Music	384	32.83	43CBD18	21DF518	
		7	09	54	Motion Picture	24	Music	384	35.03	44A0C92	22B4492	
		8	10	30	Motion Picture	24	Music	384	37.23	4583485	2396C85	
		9	11	06	Motion Picture	24	Music	384	39.42	4673B9D	248739D	
		10	11	42	Motion Picture	24	Music	384	41.62	477218D	258598D	
		11	12	19	Motion Picture	24	Music	384	43.82	487E34B	2691B4B	
		12	12	55	Motion Picture	24	Music	384	46.02	49980DF	27AB8DF	
		13	13	31	Motion Picture	24	Music	384	48.22	4ABFD4F	28D354F	
		14	14	07	Motion Picture	24	Music	384	50.42	4BF55AD	2A08DAD	
		15	14	43	Motion Picture	24	Music	384	52.62	4D38CDA	2B4C4DA	
16	02	26	Motion Picture	24	Music	384	54.82	4E89CCC	2C9D4CC			
	End ※2							55.18	4EC1B61	2CD5361		

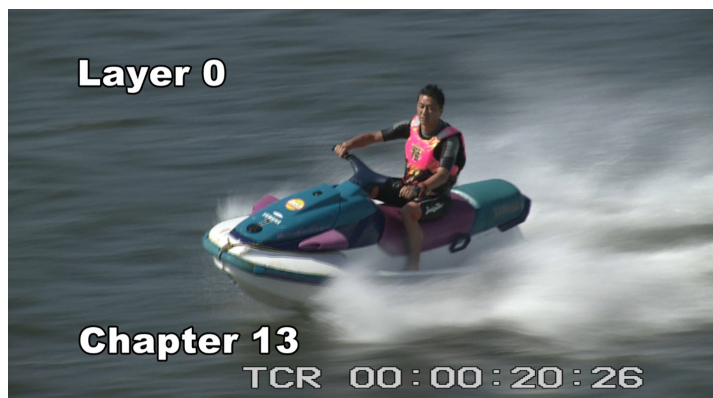
※1 Start Positions are design numerical values by calculating, actual value may differ.

※2 This indicate end of video contents. It is not end of recorded area of disc.

Note) Playback of area except Video contents and UDF control data can not be guaranteed

Note) Please be carefull not to erase the content from, nor overwrite ABD-RE560W.

5. Video contents



Time code start from 00:00:00:00 on each layer.

But the display of Time code is 00:00:00:00 when time become 01:59:59:29.

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

<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.

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