

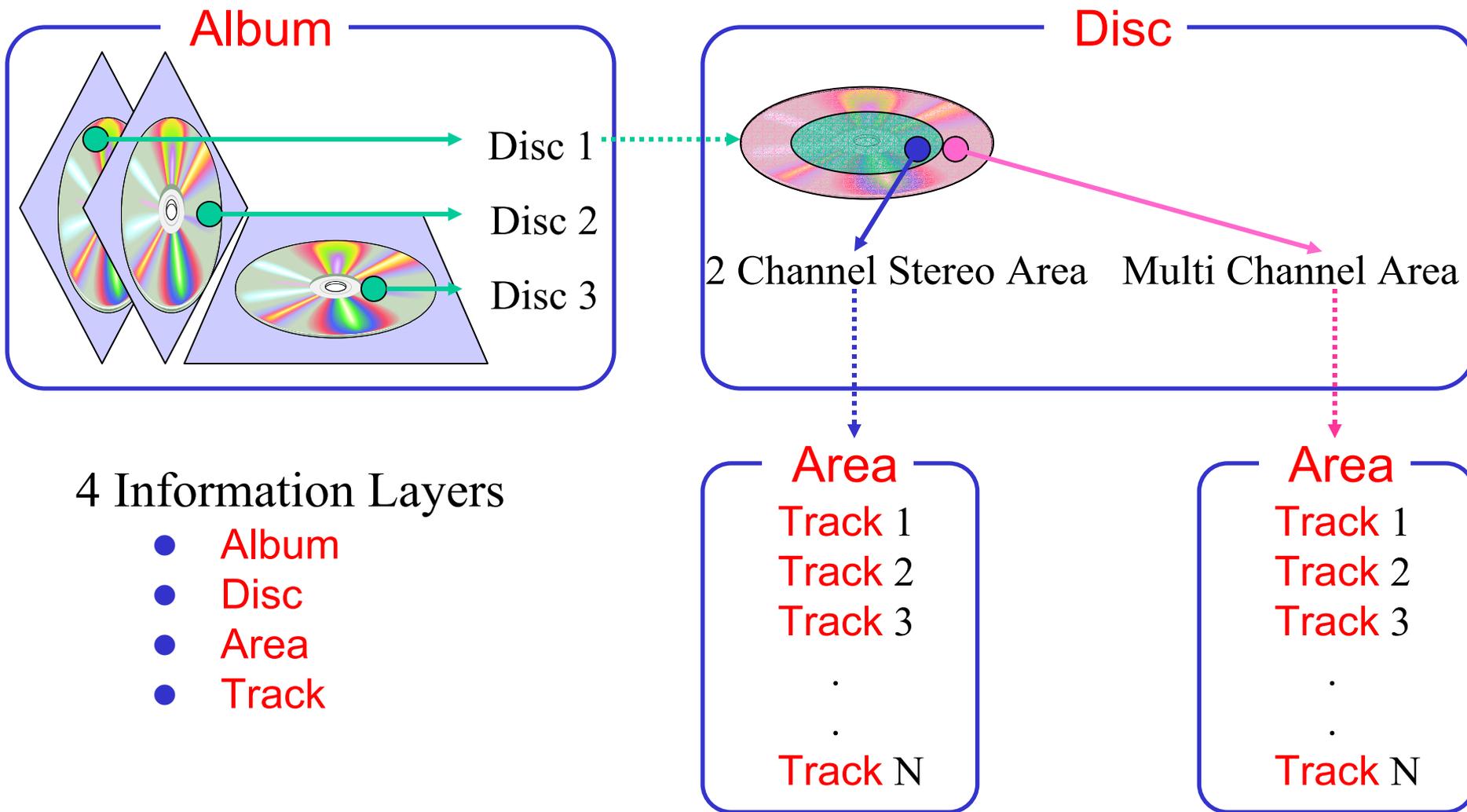
# SACD Text Overview

Based on Scarlet book Version 1.2

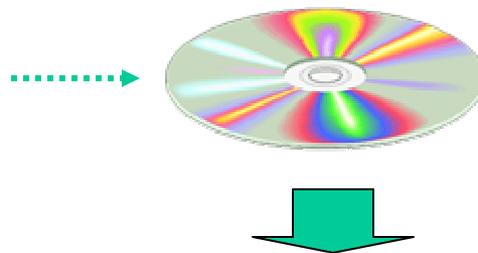
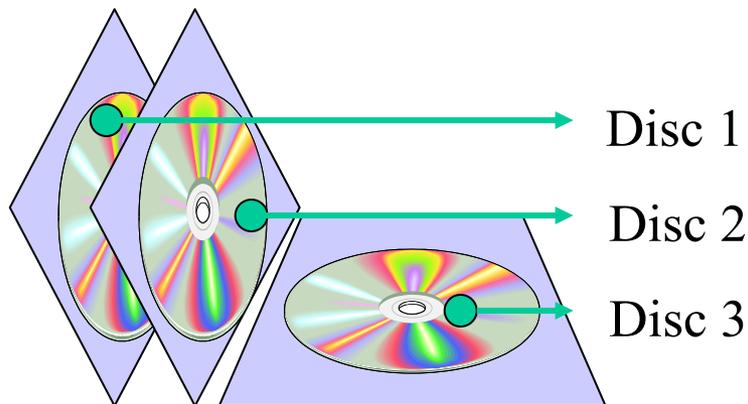
# Main Features of SACD Text

- Good compatibility with CD Text
  - Player can handle both CD Text and SACD in same operation
  - Utilizes existing CD Text source for SACD
- 4 levels of information
  - Album
  - Disc
  - Area
  - Track
- Maximum 8 Text channels
- Phonetic Text also available

# 4 Information Layers

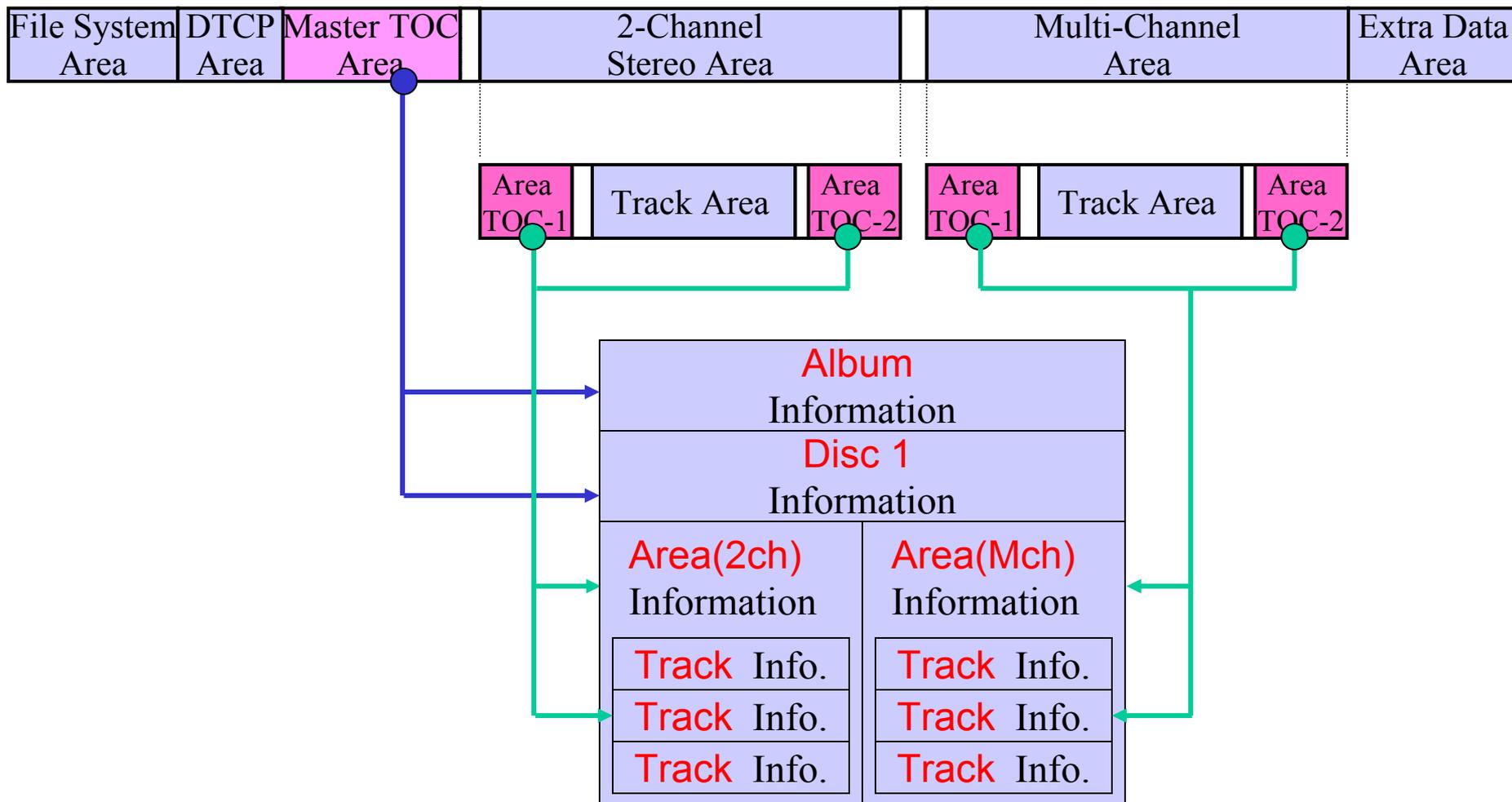


# 4 Information Layers on a Disc



Album Information	
Disc 1 Information	
Area(2ch) Information	Area(Mch) Information
Track Info.	Track Info.
Track Info.	Track Info.
Track Info.	Track Info.

# 4 Information Layers and Data Structure



# Text Channel Features

- Support for Multilingual Text
- Text Channels are used for supporting Multilingual Text
  - Assign language code for each Text Channel Ex.) us
  - Assign character set code for each Text Channel Ex.) ASCII (ISO-646)
  - Same structure as CDTEXT
- Maximum of 8 Text Channels
  - One Text Channel used for CDTEXT
- Text Channel Uses
  - Title, Artist / Performer, Songwriter, Composer, Arranger
  - Message, Extra Message, Area\_Name, Copyright, Publisher

Area\_Name → Area\_Description (Ver1.3 Format)

# Language Code and Character Set Code

## Language Code

Language Code	
ISO639	Definition
en	English
ja	Japanese
fr	French
es	Spanish
ca	Catalan
eu	Basque
pt	Portuguese
it	Italian
sq	Albanian
rm	Rhaeto-Romance
nl	Dutch
de	German
da	Danish
sv	Swedish
no	Norwegian
fi	Finnish
fo	Faeroese
is	Icelandic
ga	Irish
gd	Scots Gaelic
af	Afrikaans
sw	Swahili
ko	Korean
zh	Chinese

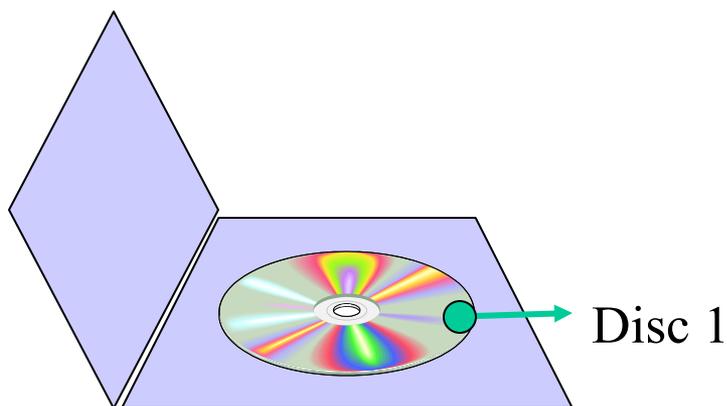
## Character Set Code

Character Set Code	
Code	Definition
1	ISO646
2	ISO8859-1
3	RIS506
4	KSC5601
5	GB2312
6	BIG5
7	ISO8859-1/ESC

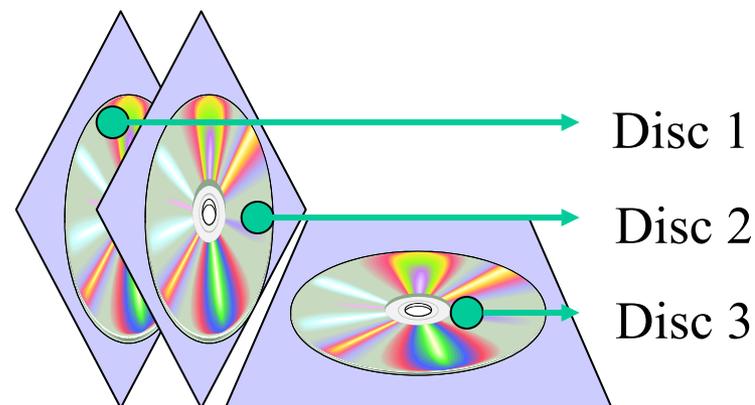
# Album and Disc

An Album consists of one or more discs

**Album** with one disc



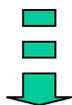
**Album** with three discs



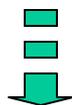
- Each Disc has *both* Album and Disc Information

# Album and Disc/Area/Track

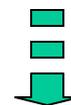
Disc 1



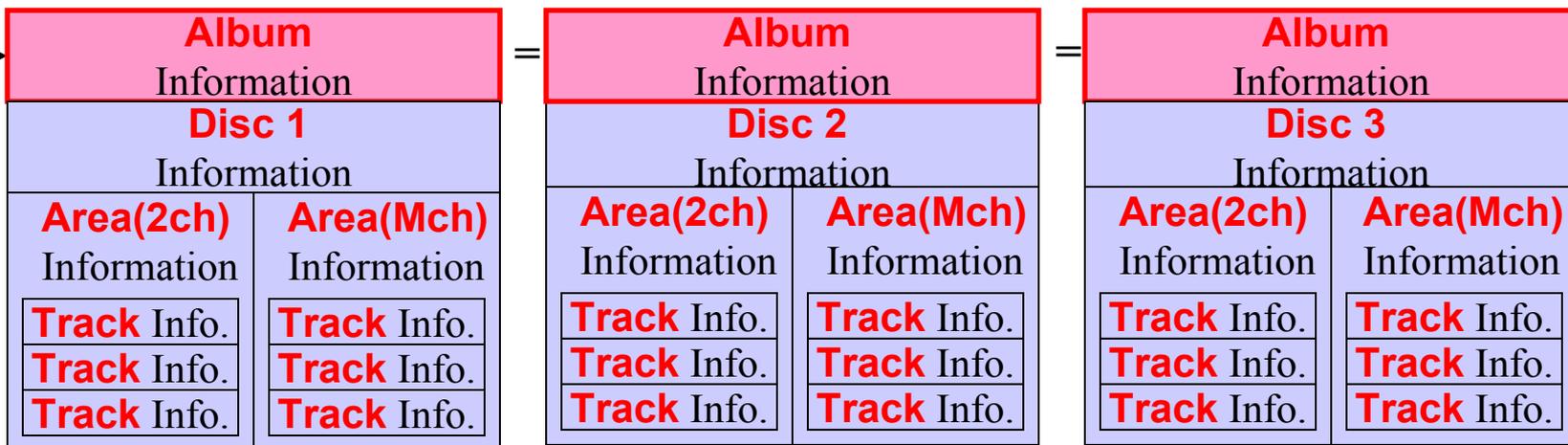
Disc 2



Disc 3



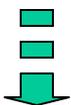
Common →



- Each Disc *must have* common Album Information
- Each Disc has individual Disc/Area/Track Information

# Album With One Disc

Disc



Album Information	
Disc Information	
Area(2ch) Information	Area(Mch) Information
Track Info.	Track Info.
Track Info.	Track Info.
Track Info.	Track Info.

Album_Genre	=	Disc_Genre
Album_Title	=	Disc_Title
Album_Artist	=	Disc_Artist
Album_Publisher	=	Disc_Publisher
Album_Copyright	=	Disc_Copyright
Album_Title_Phonetic	=	Disc_Title_Phonetic
Album_Artist_Phonetic	=	Disc_Artist_Phonetic
Album_Publisher_Phonetic	=	Disc_Publisher_Phonetic
Album_Copyright_Phonetic	=	Disc_Copyright_Phonetic



- With single-disc albums, album information should be the same as Disc Information (except Album\_Catalog\_Number and Disc\_Catalog\_Number)

# Album Information (1)



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.

- **Album\_Set\_Size**

Ex.) 3

- The number of discs which compose the album (1 - 65535)



- **Album\_Catalog\_Number** Ex.) 4988009123455 ← **UPC/EAN**

- A number or string which specifies an album

- **Album\_Genre** Ex.) Rock Music

- The genre code of the album

A maximum 4 genres may be set for Album\_Genre

# Album Information (2)



Album Information	
Disc 1 Information	
Area(2ch) Information	Area(Mch) Information
Track Info.	Track Info.
Track Info.	Track Info.
Track Info.	Track Info.

- **Album\_Title**

- The title of the album

Ex.) Best of Mr.X 1970-1999

- **Album\_Artist**

- The name of the album's artist

Ex.) Mr.X

- **Album\_Publisher**

- Album publisher information

Ex.) ABC Music Entertainment

- **Album\_Copyright**

- Album copyright information

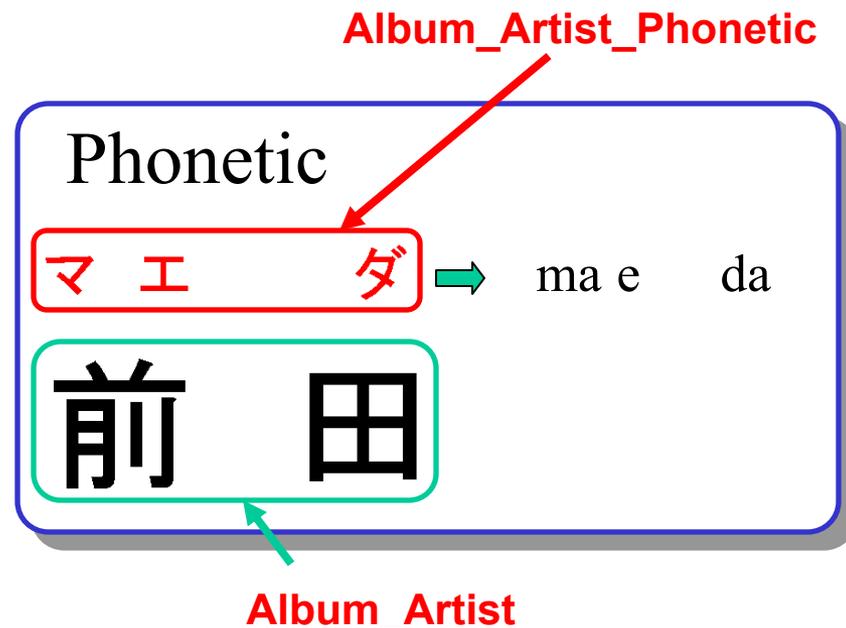
Ex.) Copyright 2002 ABC Music Entertainment

# Album Information (3)

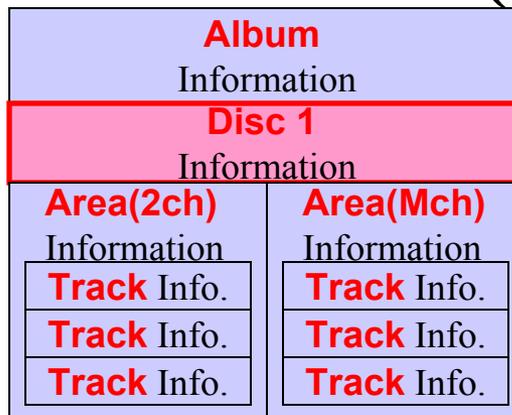
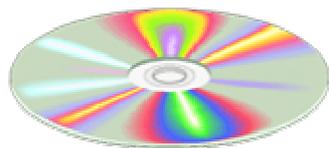


Album Information	
Disc 1 Information	
Area(2ch) Information	Area(Mch) Information
Track Info.	Track Info.
Track Info.	Track Info.
Track Info.	Track Info.

- **Album\_Title\_Phonetic**
  - Phonetic text of the album title
- **Album\_Artist\_Phonetic**
  - Phonetic text of the album artist
- **Album\_Publisher\_Phonetic**
  - Phonetic text of the album publisher
- **Album\_Copyright\_Phonetic**
  - Phonetic text of the album copyright



# Disc Information (1)



- **Album\_Sequence\_Number** Ex) 1

➤ The serial number of each disc in the album (1 - 65535)

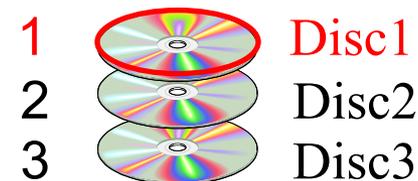
- **Disc\_Catalog\_Number** Ex) ABCD-5033

➤ A number or string to specify each disc ← **Selection Number**

- **Disc\_Genre** Ex) Rock Music

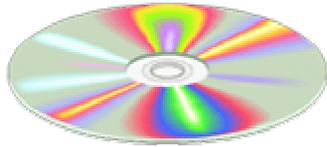
➤ The genre code of each disc

A maximum 4 genres may be assigned for Disc\_Genre



	Album Sequence Number	Disc Catalog Number
Disc 1	1	ABCD-5033
Disc 2	2	ABCD-5034
Disc 3	3	ABCD-5035

# Disc Information (2)



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.

- **Disc\_Title**

- The title of the disc

Ex.) Best of Mr.X 1970-1979

- **Disc\_Artist**

- The name of the disc artist

Ex.) Mr.X

- **Disc\_Publisher**

- Disc publisher information

Ex.) ABC Music Entertainment

- **Disc\_Copyright**

- Disc copyright information

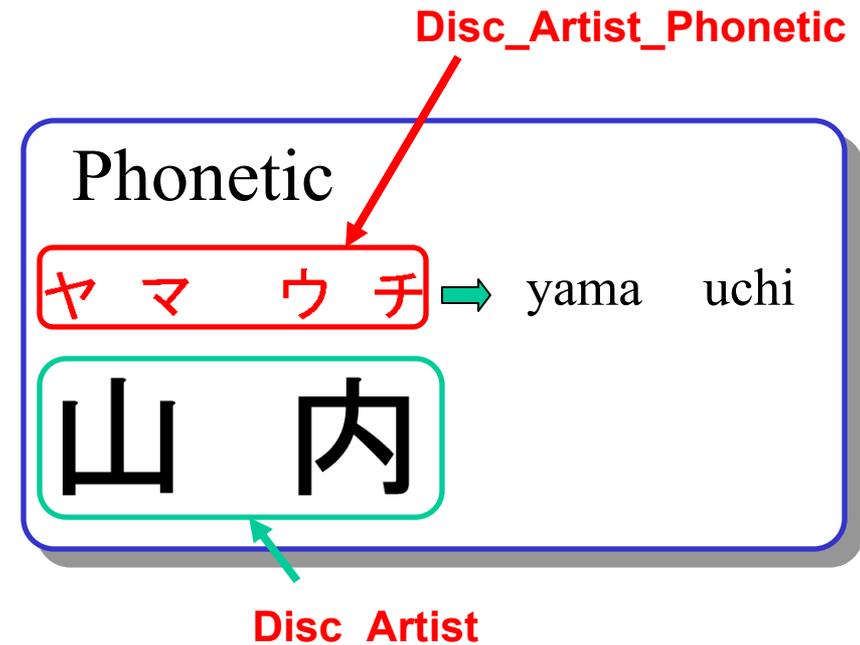
Ex.) Copyright 2002 ABC Music Entertainment

# Disc Information (3)



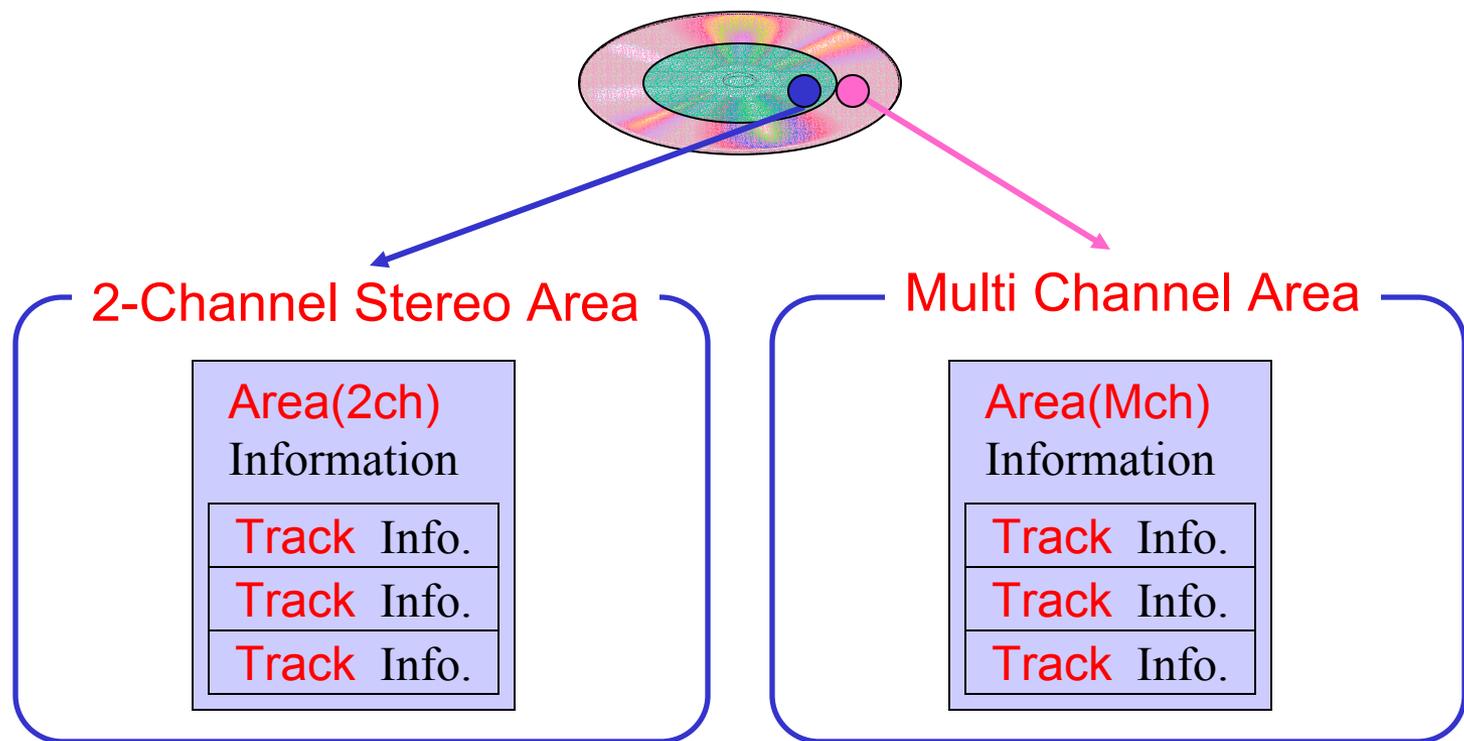
<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.

- **Disc\_Title\_Phonetic**
  - Phonetic text of the disc title
- **Disc\_Artist\_Phonetic**
  - Phonetic text of the disc artist
- **Disc\_Publisher\_Phonetic**
  - Disc publisher phonetic text
- **Disc\_Copyright\_Phonetic**
  - Disc copyright phonetic text



# Area and Track

Each Disc may contain two areas: 2-Channel Stereo and Multi Channel



- Common Structure but with *individual* information

# Area Information



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.

- **Area\_Name** Ex) 2ch Stereo Contents
  - The information for the area
- **Area\_Copyright** Ex) Copyright 2002 ABC Music Entertainment
  - The copyright information for the area
- **Area\_Name\_Phonetic**
  - Phonetic text of the area name
- **Area\_Copyright\_Phonetic**
  - Phonetic text of the area copyright

Area\_Name           Area\_Description (Ver1.3 Format)

# Track Information (1)



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track Info.</b>	<b>Track Info.</b>
<b>Track Info.</b>	<b>Track Info.</b>
<b>Track Info.</b>	<b>Track Info.</b>

- **Title**
  - The title of the track
- **Performer**
  - The name of the performer

Ex.) Super Star

Ex.) Mr.X

Title and Performer is usually entered as minimal Text information.

# Track Information (2)



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track Info.</b>	<b>Track Info.</b>
<b>Track Info.</b>	<b>Track Info.</b>
<b>Track Info.</b>	<b>Track Info.</b>

- **Songwriter**

- The name of the songwriter

Ex) Mr.Y

- **Composer**

- The name of the composer

Ex) Mr.X

- **Arranger**

- The name of the arranger

Ex) Mr.A

- **Message**

- Message from the content provider and/or artist

Ex) Hi! everyone!

- **Extra Message**

- Extra message

Ex) This track is confidential...

# Track Information (3)



<b>Album</b> Information	
<b>Disc 1</b> Information	
<b>Area(2ch)</b> Information	<b>Area(Mch)</b> Information
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.
<b>Track</b> Info.	<b>Track</b> Info.

- **ISRC**

- ISRC string of the track

- **Genre**

- The genre code of the track

Ex) JPABC0201234

Ex) Rock Music

1 Genre may be set per Track