



MID- Manufacturer IDentification Code

A code to identify the Manufacturer's and the Media technology used.

Background

The MID code allows to trace CD and DD media back to a disc technology used by a certain manufacturer. This is important for the verification of media and to allow informing the supplier about experiences with his discs in the field.

The MID code can also be used for optimisation of the write strategy as used in the drives.

The use of the MID code is mandatory for:

Orange Book Part II CD-R Volume 2 Multi Speed

Purple book: DDCD-R formats

Warning

Drive manufacturers are strongly recommended to implement a writing strategy giving good results, using the parameters specified in the relevant version of the above mentioned specification.

The MID code:

The MID code for CD-R is composed of several information blocks:

- 12 bits identifying the media manufacture.
This MID main code first part, represented by Q1..Q12, shall be issued and registered by Royal Philips Electronics. If needed, a manufacturer can request additional codes. The MID main code first part will be issued to licensed media companies only, or –preliminarily- to media companies in the process of becoming a CD-R licensee.
- 4 bits determined by the media Manufacturer to distinguish disc types that require different write strategies. This MID main code second part can be used by the Media Manufacturer verification for up to 16 (different) disc types in his product range. The 16 values are reserved values initially, they will become fixed, and registered parts of the MID code after verification. As a result, licensed & verified media can be easily identified.
- 2 bits to indicate the media technology used
- 3 bits for internal use by the Disc manufacturer

Note: For DDCD-R the MID code implementation will be similar but not identical. The main change expected: the MID main code first part to be 9 bits Q1..Q9



Verification

To improve the quality and compatibility of discs in the market, Licensors introduced with the introduction of the Multi Speed CD-R standard a mandatory initial verification procedure prior to commercial release of the first Multi Speed CD-R discs and expressed the intention to have all media types verified. It is the intention to implement mandatory initial verification with all products using MID code.

- Media companies should apply for new verification for each major process or specification change that could influence write or read characteristics.
- Media types which have been verified with good results will be mentioned on our website. After verification, MID main codes are published by Philips, unless there are objections from the Disc Manufacturer.
- The verified media list will contain the MID main codes together with (part of) the information that the media company proposes: usually the manufacturer name and/or a brand name.
- The Product revision number can be chosen freely by the Disc Manufacturer. All discs with the same MID main code (first and second part) but with different product revision numbers, must have the same basic recording properties (only minor differences are allowed: product revision numbers shall be irrelevant for recorders / drives).

In the near future, Philips will make announce similar MID code for CD-RW and for DD-R and DD-RW as well.

The MID code assigned will be for a certain standard. A manufacturer might get a different MID code if the standard is different.

The following standards are expected to specify a similar MID code in the near future:

- Orange Book Part II CD-R Volume 2 Multi Speed
- Orange Book Part III CD-RW Volume 2 High Speed
- DDCD-R
- DDCD-RW

How to obtain a MID code:

Disc manufacturers can request a MID code by using the appended form.

The MID code assigned will be a temporary code.

The MID code will be confirmed when the company has passed the mandatory initial verification and is licensed for the relevant format.



For further information and in order to obtain a MID code, please contact: Philips System Standards & Licensing, Licensing Support, Building SFF-8, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands, Fax. : +31-40-2732113
Or check our web site: <http://www.licensing.philips.com>

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Application form for MID Codes

- 1) **Company**
requesting a MID code. Please include the contact person which represents company management.

Company Name *)

Address *)

Contact Person & Title *)

Phone *)

Fax

E-mail Address

- 2) **Our company already uses MID codes *)**

Yes, One of our MID codes is:

No, this is our first MID code. Please indicate with comments "start of production"

- 3) **The requested MID is requested for**

CD-R (In accordance with Orange Book Part II CD-R Volume 2 version 1.0 version 0.9 is a pre-release of version 1.0)

DDCD-R (In accordance with relevant section of purple book version 1.0)

Other (Use comment to describe the standard applied)

- 4) **Comments.****

- 5) By means of this form we request a MID code and confirm that we are responsible for the quality and conformance of our discs with the relevant standard

Date

Signature

* Please write clearly. Fields must be filled in completely.

** If sufficient space is not available, please use separate sheet on company stationary

Please send/fax this form to: Philips System Standards & Licensing, Licensing Support, Building SFF-8, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands, Fax. : +31-40-2732113