

Philips DCC951

This page is also for the Philips DCC730.

They have the same tapemechanism.

specs

- snaren:
 - capstansnaar lengte dubbelgevouwen is ongeveer 150 mm, of iets korter. breedte 3mm, dikte 0,5 mm.

straal	radius :	48mm
omtrek	circumference :	300mm
diameter	diameter:	95mm
plat	flat lenght :	150mm

- - een 2e én 3e exemplaar hadden dubbelgevouwen lengte van 155 mm.
 - ladesnaar lengte dubbelgevouwen 98mm, vierkant 1,3mm breed.
- aandrukrol: 13 x 6 mm as: 2 mm
- Verder moet je de voeding nakijken, soldeerverbindingen van o.a. de spanningsregelaars.
- aansluitingen bij de tulpstekers. Er kunnen printbreuken zijn.

english

- belt
 - capstanbelt lenght folded flat approx. 150 mm, or a little bit shorter. Width 3 mm, thick 0,5 mm.
 - traybelt length folded flat 98 mm, square 1,3 mm width,
- pinch roller: 13 x 6 mm, axis: 2 mm.
- Check power supply; solderings
- check connections at rca audio plugs. possible board fractures.

initialize a tape

Initialize new tapes, or make them new again: For DCC730 & 951: REWIND, REC SELECT/PAUSE

track numbering

According to the DCC specification, on side B a new track number starts.

So, when recording from CD, and a track overflows from side A, a new tracknumber will be generated at the start of side B.

Therefore, all tracknumber on side B will be the original numbering +1

clean head is displayed

'Clean Head' is displayed when

- 8 hrs of ACC is played
- 2 channels or more on DCC tape not detected by DCC head for more than 3 seconds.

In case CLEAN HEAD indication was caused by a temporary bad head-tape contact, the message will disappear after pressing TIME or TEXT key.

Enter Service Test Program

Press 2 keys simultaneously PLAY+STOP and switch power on.

ERROR NUMBER SURVEY

These numbers will be displayed sometimes when an error occurs. The numbers have the following meaning:

00: No error

01: Deck failed

The requested command could not be executed because of a malfunctioning of the mechanics.

02: Tray blocked

This error is issued when the tray has been blocked, although the tray might be moving out again due to this fact. The blocked indication will hence occur very short in the tray status

message and could be missed.

03: Tray pulled open

During normal operation the tape drive module has sensed that the tray loader is forced to the open state by the user.

04: Invalid parameter

The parameter going with the last received command is unknown or out of range.

05: No cassette

The command can not be executed since there is no cassette loaded.

06: Digital Audio input but of lock or missing carrier

During recording from a digital input, no input signal is detected. When continuing the recording, undefined data will be recorded which may lead to unpredictable audio during playback. The DDU module will refuse to continue the recording.

07: Digital Audio input has Professional class (unsupported)

During recording from a digital input, a professional source may be detected which is not supported by the DDU module, hence the module will refuse to record from this source.

08: Digital Audio input has non-audio format

During recording from a digital input, the input data may contain computer data instead of audio. The DDU module will refuse to continue the recording.

09: Copy right protection violation (SCMS)

During recording from a digital input, which contains user audio data but which is copyright protected, the DDU module will refuse to continue the recording.

10: Internal DCC chip error

There has an error occurred within the DCC chips on the DDU digital module. When this error persists over a longer period of time, please consult your nearest service officer.

11: Record attempted on write protected tape

A record or auxiliary record or record-pause command is issued while the loaded cassette is write protected or is an A00. The DDU module will refuse to record on such a tape.

12: Non existent search target

The target to search for does not exist on the currently loaded cassette. e.g. search for track number 20 while the tape only contains 12 tracks.

13: Invalid command received

The command which was received is not allowed in this context.

14: Setting not allowed

This error message will be returned when the DDU module is performing a TOG search and a `next_previous_count` is downloaded.

15: Command overrun

The DDU module has received too many state changing commands in a row to handle. This error occurs whenever a command is received while another command is still waiting for execution. The DDU module will not store a queue of received commands.

16: Signature not yet loaded

The record command will only be accepted by the DDU module after the setmaker's signature has been loaded. This will make it possible to identify the recording set of each DCC cassette.

17: Unreliable TOC

During the process of TOC search the DDU module found out that the contents of the TOC does not match the contents of the tape. The search command should be repeated using relative search.

18: Search target could not be found

The requested search target was valid but could not be found, e.g. a direct track search after track number 5 on a super-user tape while track number 5 was removed by after-reording, or an append search on a full tape.

19: Marker writing not allowed

A request for a marker can be rejected because of the fact that the last recorded marker is not yet 3 tape frames past or a marker is currently being written or the tape is write protected. Also when the requested marker is out of context (lead_in A on side B or reverse maker on side B this error occurs.

20: Not Used.

21: No track numbers on this tape

Attempt to do a track search on a tape with no track numbers, e.g, search track number 10 on a non-super user tape. Note that a search for track number 1 will always be honoured.

22: No proper super-user tape

The renumber function could not detect a marker on this super user tape or the renumber function was called on a user tape.

23: No TOC available

A direct access search has been requested on a super-user tape which does not have a valid TOC. This search requests can not be honoured.

24: Sector not allowed

Not allowed to change sector in this mode or a sector is requested which is not on the tape, e.g'. sector D on a 2-sector tape.

25: No user characters loaded

An attempt to record user characters while these are not yet loaded.

26: Clean head

The reproduction of the audio is bad due to dirt on the head. The user should clean it.

27: Marker may not be removed

Attempt to erase a temporary reverse marker or the first start marker on the tape.

28: No search from virgin

A search action can not start from a virgin tape position.

29: Tape drive does not respond

This error occurs when the digital module can not communicate with the tape drive module.

30: Tape fault on tape broken/blocked.

31: Power down detected by tape drive module.

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