
S T E I N W A Y L Y N G D O R F

MODEL CDP-1
SERIAL CONTROL MANUAL

VERSION 1.0

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INTRODUCTION

This Installation Manual was created to assist you with setting up and using your Steinway Lyngdorf electronics and accessories.

Please read all material carefully prior to installation or first use of your Steinway Lyngdorf product. If you need additional assistance, contact your Steinway Lyngdorf representative or email service@steinwaylyngdorf.com.

COMPLIANCE

WEEE

The European Parliament and the Council of the European Union have issued the Waste Electrical and Electronic Equipment Directive. The purpose of the Directive is to prevent waste of electrical and electronic equipment and to promote reuse, recycling, and other forms of waste recovery. Steinway Lyngdorf products and the accessories packed with them are subject to the WEEE Directive. Please dispose of any waste materials in accordance with your local recycling regulations. Products and equipment which must be collected for reuse, recycling, and other forms of recovery are marked with the icon of the crossed-out waste receptacle.



FCC

Steinway Lyngdorf products and accessories comply with parts 15 and 68 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; and (2) this device must accept any interference received, including any interference that may cause undesired operation. Model A1/A2 amplifier and Model P1 processor contain TX FCC ID: TYOJN5139M0

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed.

SERIAL SETTINGS

The serial port settings are always 8 data bits, no parity and one stop bit with a baud rate of 115200.

COMMAND AND REQUEST FORMATTING

All commands and requests start with the '!' character. Commands end with a combination of the Carriage Return character (ascii 0x0D, referred to as <CR> in this document) and Line Feed (ascii 0x0A, <LF>). Often, a single <CR> is used, but because different systems handle these characters differently, it is also allowed to end with <LF>, <CR><LF> or even <LF><CR>. In this document, it is expected to be <CR><LF>, but all of these combinations are allowed.

Requests end with the character '?' and <CR><LF> (or any <CR><LF> combination as above).

Commands can have parameters; these are enclosed in parentheses.

Replies to a request are formatted as the request with the reply values as parameters. Replies always use the <CR><LF> combination of line-end characters.

Commands and requests are not case sensitive.

In addition, it is possible to subscribe to status changes from the device. In this situation, whenever a status has changed (new state, new track etc.) the device will send a status. This status is formed exactly like a reply to a request, except it is followed by the character '!' before the <CR><LF> to indicate that this is an asynchronous message, not a reply.

!COMMAND<CR><LF>	Command
!COMMAND(param)<CR><LF>	Command with parameter
!REQUEST?<CR><LF>	Request
!REQUEST(reply)<CR><LF>	Reply to a request
!REQUEST(status)!<CR><LF>	A status which has changed

Commands and requests which are malformed or have invalid parameters will be ignored. If a command or request is correct but followed by garbage before the line end character(s), the command or request will be executed and the garbage ignored.

REQUESTS

The following requests are available on the CDP-1:

Request name	Action	Reply
!VER? <CR><LF>	Requests the SW version in the CDP-1	!VER(1.23a) <CR><LF> If the version is 1.23a
!STATE? <CR><LF>	Requests the current state.	One of: !STATE(OFF) <CR><LF> !STATE(OPENING) <CR><LF> !STATE(OPEN) <CR><LF> !STATE(CLOSING) <CR><LF> !STATE(NODISC) <CR><LF> !STATE(DISCERROR) <CR><LF> !STATE(READING) <CR><LF> !STATE(PLAY) <CR><LF> !STATE(STOP) <CR><LF> !STATE(PAUSE) <CR><LF> !STATE(WIND) <CR><LF> !STATE(REWIND) <CR><LF>
!TRACK? <CR><LF>	Requests the number of the track currently being played.	From !TRACK(1) <CR><LF> to !TRACK(99) <CR><LF> or !TRACK(-) <CR><LF> if no track is currently being played
!NOFTRACKS? <CR><LF>	Requests the number of tracks on the current disc.	From !NOFTRACKS(1) <CR><LF> to !NOFTRACKS(99) <CR><LF> or !NOFTRACKS(-) <CR><LF> if there is no current disc.
!TIME? <CR><LF>	Requests the elapsed time of the playing track.	Reply format: !TIME(1:23) <CR><LF> or !TIME(-0:01) <CR><LF> where the '-' indicates, that the CDP-1 is currently in the pause between tracks, counting down to start.

!REMTIME? <CR><LF>	Requests the remaining time of the current track.	Reply format: !REMTIME(3:21) <CR><LF> or !REMTIME(-0:01) <CR><LF> where the '-' indicates, that the CDP-1 is currently in the pause between tracks, counting down to start.
!PLAYMODE? <CR><LF>	Requests the current play mode.	!PLAYMODE(m) , where m is one of: 0 = Normal play mode 1 = Repeat disc 2 = Repeat track 3 = Random play
!TRACKNAME? <CR><LF>	Requests the trackname from cd-text info for the current track.	!TRACKNAME(Name Of Track) <CR><LF> or !TRACKNAME() <CR><LF> if no data is present for the track name.
!TRACKARTIST? <CR><LF>	Requests the trackartist from cd-text info for the current track.	!TRACKARTIST(Artist Name) <CR><LF> or !TRACKARTIST() <CR><LF> if no data is present for the track artist.
!DISCNAME? <CR><LF>	Requests the discname from cd-text info for the current disc.	!DISCNAME(Name Of Disc) <CR><LF> or !DISCNAME() <CR><LF> if no data is present for the disc name.
!DISCARTIST? <CR><LF>	Requests the discartist from cd-text info for the current disc.	!DISCARTIST(Artist Name) <CR><LF> or !DISCARTIST() <CR><LF> if no data is present for the disc artist.

COMMANDS

The following commands are available on the CDP-1.

Command name	Action
!OFF <CR><LF>	Turns the CDP-1 off.
!ON <CR><LF>	Turns the CDP-1 on.
!PWR <CR><LF>	Toggles power on the CDP-1. Same functionality as the standby button on the front.
!EJECT <CR><LF>	Opens or closes the tray. Same functionality as the eject button on the front.
!PLAY <CR><LF>	Play.
!PAUSE <CR><LF>	Pause.
!PLAYPAUSE <CR><LF>	Toggles between play and pause. Same functionality as pressing the rotary button on the front.
!STOP <CR><LF>	Stop.
!PREV <CR><LF>	Requests the previous track. If the disc is currently at track 1, the last track on the disc will be selected. Same behavior as turning the front rotary knob counter-clockwise.
!NEXT <CR><LF>	Requests the next track. If the disc is currently at the last track, the first track on the disc will be selected. Same behavior as turning the front rotary knob clockwise.
!REWIND <CR><LF>	Start scanning backwards.
!WIND <CR><LF>	Start scanning forwards.
!STOPWIND <CR><LF>	Stop the scanning started by one of the above commands.
!DIGIT(d) <CR><LF>	Corresponds to pressing the digit d on the remote in order to select a specific track.
!PLAYMODE(m) <CR><LF>	Select playmode, where m is one of: 0 = Normal play mode 1 = Repeat disc 2 = Repeat track 3 = Random play
!DISPMODE(m) <CR><LF>	Selects display mode, where m is one of: 0 = Elapsed time, no CD-Text info. 1 = Remaining time, no CD-Text info. 2 = Elapsed time, CD-Text info active. 3 = Remaining time, CD-Text info active.

!SAMPLERATE(r)<CR><LF>	Selects a new samplerate for the output, where r is one of: 1 = 48 kHz 2 = 96 kHz 3 = 192 kHz
!SUBSCRIBESTATE<CR><LF>	Start subscription mode for the state of the CDP-1. Will send information whenever the state changes.
!UNSUBSCRIBESTATE<CR><LF>	Deactivates state subscription mode.
!SUBSCRIBETRACK<CR><LF>	Start subscription mode for track numbers. Will send information whenever a new track number is available
!UNSUBSCRIBETRACK<CR><LF>	Deactivates track subscription mode.
!SUBSCRIBETIME<CR><LF>	Start subscription mode for time. Will send information whenever new time info is available. If the current display mode displays remaining time, then the time send from the CD will also be remaining time.
!UNSUBSCRIBETIME<CR><LF>	Deactivates time subscription mode.
!SUBSCRIBEDISCTEXT<CR><LF>	Activates disc text subscription mode. Whenever a new disc is inserted, the disc name and disc artist will automatically be sent.
!UNSUBSCRIBEDISCTEXT<CR><LF>	Deactivates disc text subscription mode.
!SUBSCRIBETRACKTEXT<CR><LF>	Activates track text subscription mode. Whenever a new track is being played, track artist and track name will automatically be sent.
!UNSUBSCRIBETRACKTEXT<CR><LF>	Deactivates track text subscription mode.

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SERVICE INFORMATION

In order to obtain warranty service you must contact your original dealer or the Steinway Lyngdorf distributor of the region or country where you are located. If you have trouble locating an authorized representative, please contact the Steinway Lyngdorf Customer Service Department using the contact information at www.steinwaylyngdorf.com, or you may email service@steinwaylyngdorf.com.

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In some cases, the Customer Service Department may solve a service problem without the need of repair or any other measures, thereby avoiding further inconvenience or delay. In some cases it may be necessary to return the equipment to Steinway Lyngdorf or an authorized service provider for repair; therefore, it is recommended that you save your original packing materials. Steinway Lyngdorf will not be responsible for any damage due to unauthorized packing or shipment in non-original packing materials. If return is made in authorized packaging, risks are borne by Steinway Lyngdorf. Additional charges may occur if new packing materials are required for return shipment.