



OPPO DV-983H Up-Converting Universal Player

RS-232C Remote Control Command Reference

1. RS-232C Connection

The OPPO DV-983H Up-Converting Universal Player is equipped with an RS-232C port for wired remote control. The port is configured as a DCE device. To connect the DV-983H to the RS-232C port of a PC, a straight-through DB9 9-pin D-Sub type RS-232 serial cable is needed. Do NOT use a “Null-Modem” type cable.

The pin out of the DV-983H RS-232C port is as the following:

Pin	Signal
2	TXD
3	RXD
5	GND

2. Data Rate Settings

The data rate setting for remote control is: 9600bps, 8-bit data, 1-bit stop, no parity, no flow control.

3. Command Reference

The following commands are supported. Each command must start with a # character at the beginning of the line and end with a carriage return character.

3.1 Command that maps to a remote control button

Command Text	Command Hex	Remote Key
#POW.↓	23 50 4F 57 0d	Power on/off
#PON.↓	23 50 4F 4E 0d	Power on
#POF.↓	23 50 4F 46 0d	Power off
#EJT.↓	23 45 4A 54 0d	Tray eject/retract
#BMK.↓	23 42 4D 4B 0d	Bookmark
#SFD.↓	23 53 46 44 0d	SF – Sound field
#EQR.↓	23 45 51 52 0d	EQ – Equalizer mode
#CAP.↓	23 43 41 50 0d	Capture
#BRW.↓	23 42 52 57 0d	INFO – Disc info browser
#VUP.↓	23 56 55 50 0d	Volume +
#VDN.↓	23 56 44 4E 0d	Volume -
#MUT.↓	23 4D 55 54 0d	Mute
#NU1.↓	23 4E 55 31 0d	Number 1
#NU2.↓	23 4E 55 32 0d	2
#NU3.↓	23 4E 55 33 0d	3

Command Text	Command Hex	Remote Key
#NU4↓	23 4E 55 34 0d	4
#NU5↓	23 4E 55 35 0d	5
#NU6↓	23 4E 55 36 0d	6
#NU7↓	23 4E 55 37 0d	7
#NU8↓	23 4E 55 38 0d	8
#NU9↓	23 4E 55 39 0d	9
#NU0↓	23 4E 55 30 0d	0
#N10↓	23 4E 31 30 0d	10+
#CLR↓	23 43 4C 52 0d	Clear
#TTL↓	23 54 54 4C 0d	Title
#MNU↓	23 4D 4E 55 0d	Menu
#NUP↓	23 4E 55 50 0d	Up arrow
#NLT↓	23 4E 4C 54 0d	Left arrow
#NRT↓	23 4E 52 54 0d	Right arrow
#NDN↓	23 4E 44 4E 0d	Down arrow
#SEL↓	23 53 45 4C 0d	Select
#SET↓	23 53 45 54 0d	Setup
#RET↓	23 52 45 54 0d	Return
#SUB↓	23 53 55 42 0d	Subtitle
#AUD↓	23 41 55 44 0d	Audio
#ANG↓	23 41 4E 47 0d	Angle
#ZOM↓	23 5A 4F 4D 0d	Zoom
#PLP↓	23 50 4C 50 0d	Play/Pause
#STP↓	23 53 54 50 0d	Stop
#GOT↓	23 47 4F 54 0d	Goto
#REV↓	23 52 45 56 0d	REV – Fast reverse
#FWD↓	23 46 57 44 0d	FWD – Fast forward
#ATB↓	23 41 54 42 0d	A-B – AB repeat
#PRE↓	23 50 52 45 0d	Skip to previous
#NXT↓	23 4E 58 54 0d	Skip to next
#RPT↓	23 52 50 54 0d	Repeat
#OSD↓	23 4F 53 44 0d	OSD – On screen display
#KBD↓	23 4B 42 44 0d	Keyboard – Virtual keyboard
#SLW↓	23 53 4C 57 0d	Slow
#HDM↓	23 48 44 4D 0d	HDMI
#SYS↓	23 53 59 53 0d	P/N – PAL/NTSC system
#PLA↓	23 50 4C 41 0d	Play
#PAU↓	23 50 41 55 0d	Pause

3.2 Query commands

Command Text	Command Hex	Function	Response
#QPW↓	23 51 50 57 0d	Query power on or off status	POWER ON POWER OFF
#QVR↓	23 51 56 52 0d	Query firmware version	DV983H-05-0303
#QVL↓	23 51 56 4C 0d	Query volume setting	Volume is XX (XX = 00 – 20) Now is mute
#QSF↓	23 51 56 4C 0d	Query sound field setting	Off Concert Living Room Hall Bathroom Cave Arena Church
#QEQ↓	23 51 45 51 0d	Query EQ mode	None Rock Pop Live Dance Techno Classic Soft
#QHD↓	23 51 48 44 0d	Query output resolution	480I 480P 720P60 1080I60 1080P60 576I 576P 720P50 1080I50 1080P50
#QTK↓	23 51 54 4B 0d	Query title playing	XX/YY Current title number / Total title number
#QCH↓	23 51 43 48 0d	Query chapter playing	XX/YY Current chapter number / Total chapter number
#QTE↓	23 51 54 45 0d	Query title elapsed time	H:MM:SS
#QTR↓	23 51 54 52 0d	Query title remaining time	H:MM:SS
#QCE↓	23 51 43 45 0d	Query chapter elapsed time	H:MM:SS

Command Text	Command Hex	Function	Response
#QCR.↓	23 51 43 52 0d	Query chapter remaining time	H:MM:SS
#QEL.↓	23 51 45 4C 0d	Query total elapsed time	H:MM:SS
#QRE.↓	23 51 52 45 0d	Query total remaining time	H:MM:SS
#QDT.↓	23 51 44 54 0d	Query disc type	Opening No disc Loading DVD-Video DVD-Audio SACD CD-DA
#QAT.↓	23 51 41 54 0d	Query audio type	EEE X/Y ZZZZ EEE – Encoding X – Current audio track Y – Total audio tracks ZZZZ - Language
#QST.↓	23 51 53 54 0d	Query subtitle type	X/Y ZZZZ X – Current subtitle track Y – Total subtitle tracks ZZZZ - Language

3.3 Advanced commands

#SHD resolution.↓ //23 53 48 44 20 resolution 0d

Set output resolution. The “resolution” parameter can be one of the followings:

```

480P           //23 53 48 44 20 34 38 30 50 0d
720P60        //23 53 48 44 20 37 32 30 50 36 30 0d
1080I60       //23 53 48 44 20 31 30 38 30 49 36 30 0d
1080P60       //23 53 48 44 20 31 30 38 30 50 36 30 0d
576P          //23 53 48 44 20 35 37 36 50 0d
720P50        //23 53 48 44 20 37 32 30 50 35 30 0d
1080I50       //23 53 48 44 20 31 30 38 30 49 35 30 0d
1080P50       //23 53 48 44 20 34 30 38 30 50 35 30 0d
480PAUTO      //23 53 48 44 20 34 38 30 50 41 55 54 4f 0d
720PAUTO      //23 53 48 44 20 37 32 30 50 41 55 54 4f 0d
1080IAUTO     //23 53 48 44 20 31 30 38 30 49 41 55 54 4f 0d
1080PAUTO     //23 53 48 44 20 31 30 38 30 50 41 55 54 4f 0d

```

Playback must be stopped before changing the output resolution.

#SVL volume.↓ //23 53 56 4C 20 volume 0d

Set volume. The “volume” parameter can be one of the followings:



MUTE //23 53 56 4C 20 4d 55 54 45 0d
00 – 20 //23 53 56 4C 20 32 30 0d

#SFF speed.↓ //23 53 46 46 20 speed 0d
#SRV speed.↓ //23 53 52 56 20 speed 0d

Fast forward or fast reverse. The “speed” parameter can be one of the followings:

1X //23 53 46 46 20 31 58 0d
//23 53 52 56 20 31 58 0d
2X //23 53 46 46 20 32 58 0d
//23 53 52 56 20 32 58 0d
4X //23 53 46 46 20 34 58 0d
//23 53 52 56 20 34 58 0d
8X //23 53 46 46 20 38 58 0d
//23 53 52 56 20 38 58 0d
16X //23 53 46 46 20 31 36 58 0d
//23 53 52 56 20 31 36 58 0d
32X //23 53 46 46 20 33 32 58 0d
//23 53 52 56 20 33 32 58 0d

#SRP mode.↓ //23 53 52 50 20 mode 0d

Set repeat mode. The “mode” parameter can be one of the followings:

CH	//23 53 52 50 20 43 48 0d	Repeat chapter
TT	//23 53 52 50 20 54 54 0d	Repeat title
ALL	//23 53 52 50 20 41 4c 4c 0d	Repeat all
OFF	//23 53 52 50 20 4f 46 46 0d	Repeat off
SHF	//23 53 52 50 20 53 48 46 0d	Shuffle
RND	//23 53 52 50 20 52 4e 44 0d	Random

Depending on the disc type, some repeat mode may not be applicable.

#SRH position.↓ //23 53 52 48 20 position 0d

Search to position. The “position” parameter can be one of the followings:

TXX CYYY //Search to Chapter YYY of Title XX
TXX H:MM:SS //Search to elapsed time H:MM:SS of Title XX
CXXX H:MM:SS //Search to elapsed time H:MM:SS of Chapter XXX
TXX //Search to Title XX
CXXX //Search to Chapter XXX
H:MM:SS //Search to total elapsed time H:MM:SS

The disc may prohibit some of the search function.