

MegaSig BT Cmd List

Serial Port Parameter:

Baud Rate: 921600 (U980/U982 use 921600 default;U910/983 use 115200 default)

Data Bits: 8

Parity: None

Stop Bits: 1.0

Flow Control: None

Termination Char: \n

Notice:

'\s' means blank, equals to 0x20,

'\r\n' means return and line break,equals to 0x0D0A

Item	Send	Receive	Notice
Connect by BT address	>CONN=28371317B0E4\r\n	Waiting Connect Waiting Connect DEVICE=1C52166B 436E NAME= QCY-QY19 APTX A2DP	1)Address code needs to be capitalized; 2)When the connection is successful, A2DP and the channel of the Speaker will be opened acquiescently.
Open A2DP	>OPEN\sA2DP\r\n	OK PAIREDA2DP	Close HFP mode,the channel of the Speaker will be opened.
Open HFP	>OPEN\sHFP\r\n	OK PAIREDHFP mSBC 48k or CVSD 48k	1)Close A2DP mode,the channel of the Mic will be opened 2)mSBC represent the DUT support wideband speech 3)CVSD represent the DUT only support narrowband speech
Disconnect	>DISC\r\n	OK IDLE	Before connecting next DUT,the current connection should be disconnected
Reset the dongle	>RST\r\n	OK IDLE	
Search BT address	>SEARCH=5\r\n	DEVICE=1C52166B 436E RSSI=-76 NAME=QCY-QY19 CLASS=240414	BT address is "1C52166B436E", and get the RSSI\DUT Name\Class of Device
Stop Search	>SEARCH\sSTOP\r\n	OK	
Get connected profile status	>STATUS\r\n	IDLE Or PAIREDA2DP Or PAIREDHFP	IDLE means dongle had been initialized for the coming connection; PAIREDA2DP means dongle had connected the DUT,and in A2DP status; PAIREDHFP means dongle had connected the

			DUT,and in HFP status
Start to get RSSI	>START RSSI UPLOAD\r\n	RSSI=-73 RSSI=-73	
Stop to get RSSI	>STOP RSSI UPLOAD\r\n	OK	
Set default volume (vol should be two digits,and the maximum value is 15)	>A2DP_DEFAULT_VOL =15\r\n	OK	After setting the default volume, the device needs to be powered off and restarted or send the Reset command
Set the COD during the search	>COD_SET=000400\r\n	OK	Changing the value of COD will limit the search range of bluetooth device, and it is not recommended to modify.
Get the COD	>COD_GET=?\r\n	>COD_GET=000400	
Automatically search and connect	>NO_MAC_CON\r\n	Waiting Connect Waiting Connect DEVICE=1C52166B 436E NAME= QCY-QY19 APTX A2DP	Recommend to use shielding box to avoid connecting other DUT by mistake
Simulate calling the headset	>MAKE CALL\r\n	OK	
Connect to the subject via bluetooth address code and start SPP communication	>SPP_CONN=1C52166 B436E \r\n	Waiting Connect Waiting Connect DEVICE=1C52166B 436E NAME= QCY-QY19 >SPP_CONNECT	
Send information to the object via SPP	>SPP_SEND=DATA		If use U980/U982,">SPP_SEND="can be ignored,and the DATA can be sent directly
Gets the information sent by the measured object through SPP		>SPP_RECV=DATA	The receiving process is passive and requires real-time monitoring of data in the serial port; If use U980/U982,">SPP_RECV ="will be ignored,and the DATA can be received directly
Read hardware attributes	>SYS_INFO_GET=?\r\n	>SYS_INFO_GET= MegaSig U980 FirmwareV1.3.30-12	
Set Speaker volume after	>SET_VOL=05\r\n	OK	Volume should be two digits (00-15)

connection			
Get U983 Mode	>MODE_GET=?\r\n	>MODE_GET=SPDIF Or >MODE_GET=USB	Represent SPDIF Mode,for connecting Optical or Coaxial signal Or Running USB Soundcard mode, for using PC WDM or ASIO4All driver to get signal
Set U983 Mode	>MODE_SET=1\r\n Or >MODE_SET=2\r\n	OK USB_MODE Or OK SPDIF_MODE	Represent the USB Mode Or Represent the SPDIF Mode
Get connected Device&Name	>GET_CONN_INFO\r\n	DEVICE=1C52166B436E NAME= QCY-QY19	This cmd will work after the successful BT connection
Get the connected codec	>GET A2DP\r\n	APTX A2DP	This cmd will work after the successful BT connection
Reset A2DP audio and get A2DP codec sample rate	>A2DP_AUDIO_RESET\r\n	SUSPEND_OK RESUME_OK SAMPLE_RATE=48000	This cmd will work after the successful BT connection
Get the BT Link Key	>GET_CUR_LINK_KEY\r\n	LINK_KEY=567023c1a4b958373dfd291b9371b861	1)This cmd will work after the successful BT connection 2)U980-V1.3.36/U982-V1.2.18 or above versions support this cmd
Send the HFP AT Cmd	>AT_CMD= Command (For example, Command can be "AT+NTC=?")	For example,the DUT can response like this: AT+NTC=1,180	1)This cmd will work after the successful BT connection 2)U980-V1.3.36/U982-V1.2.18 or above versions support this cmd
Get the enabled or disabled profile	>PROFILE_GET= X \r\n	A2DP ENABLED/DISABLED Or HFP ENABLED/DISABLED Or AVRCP ENABLED/DISABLED	1) X can be 0-2,represent A2DP/HFP/AVRCP profile status; 2)U980-V1.3.31/U982-V1.2.16 or above versions support this cmd
Set the enabled or disabled profile	>PROFILE_SET= X&S \r\n	DISABLE/ENABLE A2DP Or DISABLE/ENABLE HFP	1) X can be 0-2,represent A2DP/HFP/AVRCP profile; S can be 0 or 1, represent the disable or enable function; 2)U980-V1.3.31/U982-V1.2.16 or above versions

		Or DISABLE/ENABLE AVRCP	support this cmd
Send the AVRCP Command	>AVRCP_CMD_SET= D ATA	AVRCP_SUCCESS	1)Send the AVRCP PASSTHROUGH command to DUT; 2) DATA should be hex command and less than 12 bytes; 3)U980-V1.3.35/U982-V1.2.16 or above versions support this cmd
Get updated battery	>BATT	BAT=7 (means 80% battery level of DUT) Or POWER=68 (means 68% battery level of DUT)	1)Get the updated battery from DUT; 2)Normally,the battery can be get from first successful connection if DUT support; 3)U980-V1.3.39/U982-V1.2.21 or above versions support this cmd
Change baud rate	>BAUD_RATE_SET= X \r\n	OK	1) X can be 3 or 0 ,represent 921600 or 115200; 2)Send this instruction at the current baud rate of normal communication and return OK; 3)USB must be replugged to power on or send "RST\r\n"command to take effect; 4)Only U980/982 support
Set HFP narrowband mode	>mSBC_ENABLED=0\r\n	OK	1)This command must be send before connect the DUT every time 2)After disconnect the DUT,this command will be invalid,and the wideband speech is preferred unless DUT no support