U983 User Manual

1、Soft Overview

The main UI is concise and as show below.

After the device is powered on USB, the soft panel will automatically read the device

BT_Soft_Panel_V1.0.2.31		—		\times
Edit Help				
Wy System U983(00ABBF)				
	DT Coft Donal			
	BI Soft Panel			
		ena	Sig	i.
		eya	oig	
Click My System				

2、Soft Operations

1. Choose device is show as below.

BT_Soft_Panel_V1.0	.2.31		_	\times
Edit Help				
B Wy System	🛛 🎕 TestPanel 🕮 Settings 📗	SPP Control 🚟 Update FW		
0983(00ABBF)	I			
	Information			
	Vendor	MegaSig Corporation		
	Model	U983		
	SN	00ABBF		
	Firmware Version	V1.2.18-12		
	Class Of Device	0x000400		
	AVRCP Version	1.6		
	Transmit Power	-12 dBm		
Click U983(00ABBF)				

Click the "TestPanel", You can choose "BT_Cmd_Mode" or "BT_Scan_Mode".
"BT_Cmd_Mode": connect by mac address.
"BT_Scan_Mode": auto connect BT device.

This manual take the "BT_Cmd_Mode" as example.

3. Click "BT_Cmd_Mode", UI will be show as below.

🝪 U983-00ABBF-Cmd			_		\times
Cmd BT Address	Response			Normal	~
Function Connect By Address			− · × Normal ✓ ✓		
					nse
Execute Status	✓Cmd Log	BT_Device_Name	Clea	ar Respons	e

4. About Function: If you want to use WDM driver to test, need to execute "Set USB Mode". If you want to use SPDIF to test, need to execute "Set SPDIF Mode".



In the figure, "USB Mode" is gray, that is, the current dongle is in USB Mode.

3、Test Use

1. WDM Drive (USB Mode)

Input the "BT Address", select the function of "Connect By Address", and click "Execute" button, show as below.

In the "config", you can edit input and output information.

In the "AI" interface, you can check input signal. "AO" interface, setting output signal.

U983-00ABBF-Cmd				
Cmd	Response			
BT Address			Normal	1
111122221234	[18:18:39.7	241Recv :Waiting Connect		1
Function	[18:18:41.4	199]Recv :Waiting Connect		
Discourset	[18:18:43.2	85]Recv :Waiting Connect		
Disconnect	[18:18:45.1	67]Recv :Waiting Connect		
	[18:18:46.9	154]Recv :Waiting Connect		
	[18:18:50.5	11]Recv :Waiting Connect		
	[18:18:52.2	70]Recv :Waiting Connect		ł
	[18:18:54.1	53]Recv :Waiting Connect		3
		BT Device Name		
Execute State	us Cmd Log		Clear Respon	ise
Config AI AO				
Input Cfg	Outpu	it Cfg		
Al Device	AO	Device		
麦克风~	扬声	器 🗸		
	1	扬声器 (MegaSig U983)		
Bit Depth		喇叭/耳机 (Realtek High Defin	ition Audio)	
16	16			
11502 201				
Sample Rate(S/s)	Sam	nole Rate(S/s)		
dance	J	non		
40000	400			
	CC	onfig		
Config AI AO				
		Left 📈		
		Right 📈		
10-				
5-				
11 0-				
Ϋ́Υ.				
-2-				
-10-			Start	
0 0.5 1 1	.5 2 2.5	3 3.5 4 4.5 5	Start	
	Time			
		A 1		
		AI		
Config AL AO				



AO

If the connection is successful, the dongle will set A2DP default mode, and we can use the valid sound card channel to test the speaker of DUT

If you want to test mic, need to execute "HFP Mode".

2. SPDIF Mode

In the SPDIF mode, you can use optical interface or coaxial interface to test Bluetooth devices. In this mode, you need to a DAQ card for test.

Optical wiring mode is shown in the figure.

Notice: speaker channels requires toggle switch to switch optical or coaxial interface.



If the connection is successful, the dongle will set A2DP default mode, and we can use the DAQ card output channel to test the speaker of DUT

If you want to test mic, need to execute "HFP Mode". We can get the mic signal by DAQ card input channel.