

SHENZHEN WELLDY TECHNOLOGY CO.,LTD

Product Specifications

Product Model		C200		Date created	2020.11.02	Doc. Version	V1.0
Product function and configuration							
Function		BT,TWS,AUX,MIC					
BT Chip					BT Version	V5.0	
Power amplifier chip					Decoding Format	MP3	
Battery		3.7V 800mAh			IP Water	IPX7	
Speaker driver		4Ω/5W			Product Dimensions	10cm*10cm*4.5cm	
Operation Instructions:							
1	POWER	Short Press	Mode switch BT, TF				
		Long Press	1, Long press 2 seconds to turn on the speaker 2, Long press 2 seconds to turn off the speaker 3, If the speaker crashed, hold it for 8 seconds to automatically reset the speaker and turn it off .				
2	MODE	Short Press	Short press MODE to switch: BT, AUX,				
		Long Press	1, When connected: long press for 2 seconds to disconnect 2, When the Bluetooth connection is disconnected: long press for 2 seconds to connect to the last disconnected mobile phone				
3	V-/Prev	Short Press	Volume Down (30 levels in Android, 16 levels in iOS)				
		Long Press	Previous song				
4	Play/Pause	Short Press	1,Music playback status: play, pause function 2,When there is an incoming call: short press to answer the call 3,When you're receiving the call: short press to hang up the phone call				
		Long Press	1,Press 2 seconds to enter TWS connection, once connected, long press to disconnect TWS connection 2,When there is an incoming call: short press to refuse the call				
		Double Press	1,When it's connected via Bluetooth to your phone: double press to call back the last call				
5	V+/Next	Short Press	Volume Up (30 levels in Android, 16 levels in iOS)				
		Long Press	Next song				
Indicator Light decription							
BT mode		1,Bluetooth is not connected: The white light flashes quickly 2,Bluetooth is connected: The white light keeps on 3,Music playback:The white light flashes slowly 4,Pause: The white light keeps on					
AUX mode		1,Music playback: The white light flashes slowly 2,Pause: The white light keeps on					
Charging		1,Charging: The red light keeps on 2,Fully charged: the red light is off					
Electrical parameters:							
Function		NO	Project	Parameter		Unit	Test Equipment
AUX IN	1	Total harmonic distortion PO=0.5W (THD+N)		0.42%		%	AP(AST-2)
	2	input resistance		≥10KΩ		Ω	
	3	Input sensitivity (THD=10%)		1200		mV	
	4	SNR (Po=MAX)		84.9		dB	
	5	Frequency response		85Hz-12KHz		Hz	
	6	THD = 1% Output Power		3.4		W	
	7	THD =10% Total harmonic distortion output power		3.48		W	
	8	Degree of separation		/		dB	
BT@Apple iPad	1	Version		5.0+EDR		VER	BT Test Fixture and AP
	2	Protocol specification(A2DP、HFP、HSP)		3		SET	
	3	BT transmit power		2dBm			
	4	BT receiving sensitivity		-89dBm			
	5	Total harmonic distortion PO=0.5W (THD+N)		0.29%		%	
	6	Input sensitivity (THD=10%)		800mV		mV	
	7	SNR (Po=MAX)		85.5dB		dB	
	8	Frequency response		85Hz-20KHz		Hz	
	9	THD = 1% Output Power		3.4		W	
	10	THD =10% Total harmonic distortion output power		3.5		W	
	11	Degree of separation		/		dB	
	12	Working frequency		2.402~2.480GHz		2.4GHz	
Others	1	Low battery warning voltage		3.4		V	Voltmeter, Ammeter
	2	Automatic shutdown voltage		3.4		V	
	3	Automatic shutdown time without playing		10		min	
	4	Shutdown power consumption current		≤ 50		uA	
	5	charging current		600mA		mA	
	6	charging time		2H~2.5H		H	
	7	Playing time @50% volume		20		H	
	8	Playing time @100% volume		4.25		H	
	9	BT wireless transmission distance		10		m	
	10	TWS distance		10		m	
	11	Working temperature		-5°~40°		°C	
	12	ESD discharging (touch)		≥4		KV	