Product specification

产品型号	版本	结构设计	电子设计	软件设计	批准	日期
Y10 2x	V1.0	周工	王工	杨工	王工	2023.4.19

Item		Specification
Technical parameter	Product type	Helmet bluetooth headset
	Bluetooth device name	QINLIFE Y10 2x
	Volume adjustment mode	Touch the button to adjust
	Feature	Bluetooth 5.3, waterproof IPX6, Voice clear and loud, Bluetooth intercom
	Bluetooth distance	10M（barrier free）
	Intercom distance	300M（barrier free）
	Storage type	NC
	Charging voltage	5V/1A
	Power supply	Lithium battery3.7V 1000MAH
	Standby time	270H
	Headphone interface	TYP-C
	SNR	75dB
	Charging time	About 2.5H
	Intercom duration	15H continuously
	Bluetooth call duration	20H continuously
	Bluetooth playback duration	About 25H（volume max）
	Frequency response	100Hz~18KHz
	Product size	85MM*35MM*51MM
	Weight	60g(bare metal）
	USB type	TYPE-C
Functional support	File format	NC
	Bluetooth call	Support
	TF card playback	NC
	Bluetooth intercom	Support（1 host+1 sub）
	Bluetooth playback	Support
	USB playback	NC
	USB sound card playback	NC
	Intercom back-connection	Support
	External audio source access	NC
	Bluetooth back-connection	Support
	Bilingual voice switching prompt	Support
	Battery status	Support IOS device battery display
	Ring tone	Support

	Internal recording function	NC
	TWS	NC
	FM radio	NC
Voice prompt	Power on tone	“power on”
	Power off tone	“power off”
	Manual answer	“Auto answer off”
	Automatic answer	“Auto Answer on”
	Recording mode	NC
	Bluetooth mode prompt tone	“ pairing”
	Intercom reception mode	“Intercom reception mode”
	Intercom transmission mode	“Intercom transmission mode”
	Turn off intercom	“Turn off intercom”
	Intercom connection	“Intercom connected”
	中文语音提示	“中文语音模式”
	English voice prompt	“English voice prompts”
	TF card mode prompt tone	NC
	Maximum volume	“Dong”
	Bluetooth connected prompt tone	“Connected”
	Bluetooth disconnected prompt tone	“Disconnection”
	Bluetooth back-connection prompt tone	“Connected”
	Incoming call ring tone	“Du...Du...”
	Reader mode prompt tone	NC
	Low battery warning	“Low battery”
Charging feature	Charging while playing function	NC
	Trickle charging current	I=90mA
	Standard charging current	I= 900mA
	Fully charged cutoff current	I≤ 0.55mA
	Speaker fully charged voltage	4.15 V≤Vbat≤ 4.25 V
	Static current	Vbat= 4.2 V ≤ 55 uA
	Over-current protection	2.5A±0.5A
	Short-circuit protection	Yes

	Software over-release protection	Vbat≤2.6V		
	Turnoff current	≤ 90 uA		
	No-load voltage	4.20±0.15V （Fully charges）		
	Charging LED indicator mode (Keep the LEO on while charging and turn it off when fully charged)	Voltage	LED1	
		4.13V≤Vbat≤4.25V	Off	
		3.00V≤Vbat＜4.13V	On	
Speaker function button	Power button	Press the button for 3 seconds		
		Music mode: Short press to play or pause music; Incoming call mode: short press to answer a call, and short press the button again for hanging up. Long press to reject or hang up call; Double-click the last number to replay. Incoming calls are accompanied by an announcement of the phone number Turn on the device without Bluetooth connection, double-click the switch button to change between Chinese and English voice broadcast		
	Volume up	In music playing mode: Long press the volume "+" to increase the volume. Short press the button for next sound Double-click: Double-click the volume "+" button to switch between manual answer and automatic answer after 10 seconds later, and the voice playing prompt "Auto Answer" and "Manual Answer" will be displayed, when Bluetooth is not connected,		
	Volume down	In music playing mode: Long press the volume "-" button to reduce the volume. Short press to switch to the previous song; Double click to turn off the power button light.		
	Intercom button	Short press the button to enter the intercom mode, and press again to exit the intercom mode; Long press to switch the transmission and reception modes of the intercom; Double-click to wake up the voice assistant.		
LED status indicator	Bluetooth pairing status	The power button LED blinks quickly		
	Bluetooth pairing succeed	The power button LED blinks slowly		
	Time out	The power button LED blinks slowly		
	AUX playback mode	NC		
	TF card playback mode	NC		
	Bluetooth playback mode	The power button LED keeps on		
	Volume Max	NC		
	Volume Min	NC		
	Stand by	Bluetooth mode is not connected and no operation within 5 minutes the device will be automatically shut down		
	Fully charged	Red LED off; The device will automatically shut down if you insert the charger for charging, When the device is turned on. If you need to turn on the device at this time, please long press the button again for 3 seconds to turn on the device.		

Product Photo	
	Intercom connection operation mode: Press the intercom keys of the two devices to enter the intercom mode after power on, the devices enter the transmission mode with a voice prompt while the green indicator in the grid blinks quickly, Long press the intercom key in one of the devices to enter the intercom receiving mode (with a prompt tone), while the green indicator blinks slowly. At this time, the two devices are connected with a prompt tone, then you can make the intercom call. Intercom back connection: if the two devices have been connected before, just press the intercom key to enter the intercom mode after power on, the two devices will be automatically connected.