

## **DORLAND Intrinsically Safe Industrial-grade Noise-canceling Single Ear Bluetooth Wireless Earpiece IS Headset D6 Plus**

Beijing Dorland System Control Tech Co., Ltd. has recently launched the IS Headset D6 Plus, an intrinsically safe industrial-grade noise-cancelling single ear Bluetooth wireless earpiece with a powerful appearance and sturdy body, featuring an intrinsically safe circuit design. This earphone adopts the new generation Bluetooth 5.0 high version, with faster and more stable transmission speed and stronger signal. In addition, this earphone has a built-in microphone for calling and can answer calls. The earphone comes with a control function to adjust the listening experience without touching the device. This earphone is Ex ib IIC T4 Gb/Ex ib IIIC T130 °C Db explosion-proof certified, suitable for hazardous and explosive environments such as petroleum, chemical, pharmaceutical, oil depots, tank farms and other hazardous areas with flammable and explosive gases. It is convenient for users to produce, dispatch data, transmit and communicate in real time.

Ex-marking: Ex ib IIC T4 Gb/ Ex ib IIIC T130°C Db

Certificate No.: CCRI 24.2688X

Battery capacity: 400mAh

Battery type: rechargeable lithium-ion battery pack

Bluetooth version: V5.0

Talk time: 100H

Listening time: 110H

Charging time: 3H

Standby time: 90 days

Bluetooth distance: ≤10M

Noise reduction: Double label noise reduction



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<b>Certificate parameters</b>	
<b>Ex-marking</b>	Ex ib IIC T4 Gb/ Ex ib IIIC T130°C Db
<b>Certificate No.</b>	CCRI 24.2688X
<b>Basic parameters</b>	
<b>Basic parameters</b>	Chip model: Qualcomm QCC3020
	Corresponding codecs: SBC, ACC support APTX audio encoding
	Support agreement: A2DP 1.2; AVRCP 1.6.2; HFP 1.8; HID 1.014; SPP1.2.2
	Output power: Class II -6dBm ~ +4dBm
	Working voltage: 3.3V~4.2V
	Battery capacity: 400mAh
	Normal operating temperature: -20°C~+60°C
	Speaker type: ∅ 13 speaker
	Speaker unit impedance: 32 Ω
	Battery life (music or making phone calls): up to 60 hours over 5 hours (normal use)
	Microphone Type: GoerTek 2718 Forward Sound Silicon Mic, Quantity: 2
	Earphone weight: approximately 25g (excluding storage box)
	Dimensions: Approximately 107 * 60 * 16mm
	Bluetooth distance: ≤10m
Charging time: 3 hours (approximately) when the earphones are out of battery. Charging current: 110-130mA	
<b>Flashing mode</b>	<b>Indicator light prompt</b>
Power on	The green light stays on for 1 second, and then the green and red lights alternate flashing when entering
When connecting the phone to standby mode	No flashing lights
When in pairing state	Red light/green light alternate and flash rapidly
When making a call(not connected)	No flashing lights

When calling	Green light flashing quickly	
During the call	No flashing lights	
Connected moment	No flashing lights	
Listening to music (playing music)	No flashing lights	
Shut down	The red light will turn on for 1 second and then turn off	
charge	The red light stays on for a long time	
Fully charged	The green light stays on for a long time	
Alarm when battery level drops below 3.3V	Flashing a red light every 5 seconds	
<b>Voice prompt function</b>	<b>Voice prompt</b>	
Power on	Power on	
Connection successful	connected	
Maximum/minimum volume prompt	"di~"	
Connection disconnected	disconnected	
Low battery level	Battery low · Sound once every 90 seconds	
Silent prompt sound	mute on/mute off	
Incoming call	1. Android earphones prompt default ringtone	
	2. Apple system headphone prompts for phone ringtone + voice broadcast	
Shutdown	Power off	
<b>Key Function Table</b>	<b>Current state</b>	<b>Operate</b>
Power on	When shutting down	Press and hold the multifunction button for about 2 seconds to turn on the device and automatically enter the reconnection and pairing state
pair	During standby mode	The first time manually pairing with the device, the second time automatically pairing after booting up
Answer	When calling	Press the multifunction key once
Hang up	During a call	Press the multifunction key once
Activate Siri	During standby/music mode	Double click the multifunction key and hear a beep to activate Siri

Refuse to listen to incoming calls	When calling	Press and hold the MFB key for 2 seconds
Mute	During a call	Press the mute button once to mute, press again to unmute
Music playback/pause	During standby/music mode	Press the multifunction key once
Volume +	Any state	Short press the VOL+key to increase the volume by one level
Volume -	Any state	Short press the VOL - key to decrease the volume by one level
Next song	When it comes to music	Long press the VOL + key
Previous song	When it comes to music	Long press the VOL - key
Shut down	Any state	Long press the multifunction key for 3 seconds
<b>Disconnecting headphones from phone</b>	If the device is not connected during startup (connection timeout), it will automatically shut down if it is not connected within 5 minutes	
	Clear pairing information: While charging, press and hold the volume "+" and "-" keys for 5 seconds until the green light flashes twice.	
<b>Performance</b>		
<b>Bluetooth version</b>	V5.0	
<b>Battery capacity</b>	400mAh	
<b>Call time</b>	100H	
<b>Listening time</b>	110H	
<b>Charging time</b>	3H	
<b>Standby time</b>	90 days	
<b>Bluetooth distance</b>	10M	
<b>Noise reduction</b>	Double label noise reduction	
<b>Support agreement</b>	HFP/HSP/A2DP/AVRCP	
<b>Work environment</b>	-10~50°C	
<b>Indicator light</b>	Red light / green light	
<b>USB</b>	Type C	



## CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

Certificate No.: CCRI 24.2688X

**Applicant Company:** Beijing Dorland System Control Tech Co.,Ltd.  
**Address:** Room1107,Tower B,Tsinghua Tongfang Technology Square,No.1 Wangzhuang Road,Beijing,P.R.China  
**Name of Product:** Intrinsically safe industrial-grade noise-canceling Single Ear Bluetooth Wireless Earpiece  
**Type of Product:** IS Headset D6  
**Marking:** Ex ib II C T4 Gb/Ex ib III C T130°C Db  
**Technical Documents:** Q/DLM 003-2024  
**Drawing No.:** IS Headset D6 ZZ01、 IS Headset D6 BZ01  
**Note(s):** See attached sheet

By verifying the drawings and technical documents and checking samples, the product complies with the following standards currently valid in P.R.China:

GB/T 3836.1-2021, GB/T 3836.4-2021

**Date of Issue:** 12. 4. 2024

**Valid till:** 12. 3. 2029

**Authorize:**



**CCRI(Beijing) Testing Technology Co., Ltd.**

(Beijing Test Center of Mine Working Equipment and Mining Oils for National Safe Production)

Note: This certificate is only valid for the products that are in accord with samples tested and verified.

Address: Building 6, No.5, Yulong Street, Caiyu Town, Beijing Economic and Technological Development Area(Daxing), Beijing Tel fax: 010-89268018

The query url of Explosion-proof Certificate: <http://www.ccrtec.com.cn/Home>



## CONFORMITY CERTIFICATE OF EXPLOSION-PROOF ( APPENDIX )

Certificate No.: CCRI 24.2688X

1. Rated voltage DC 3.7V, powered by rechargeable lithium-ion battery packs with dual protection.
2. Operating environment temperature:  $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ .
3. The suffix "X" indicates that the use of various cable interfaces in hazardous areas is prohibited, and charging and replacing batteries in hazardous areas is prohibited; When conducting data transmission or charging, it is necessary to use specialized connection devices with energy limiting measures that have been evaluated. Please refer to the instructions for usage precautions.
4. Correlation test report number: 2024550428.

CCRITC

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