

DR03A Bluetooth Hands Free Car Kit

User Guide

FCC Statement:

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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The introduction of products functions

1. BT V 1.2, HFP /HSP, AVRCP/A2DP;
2. Compatible with all mobile phones with standard Bluetooth;
3. Auto pairing, automatically connected after disconnection;
4. Pairing up to 4 phones, automatically connected to the last paired phone;
5. Full duplex conversation, DSP arithmetic for echo cancellation & noise reducing;
6. Caller ID read out in English;
7. High powered amplifier output and uses the vehicle's speakers;
8. Directional high sensitive microphone;
9. Voice commands, last number redialing, receiving a call, and hang up;
10. Microphone mute.

Kit Contents

	 2. Power supply/ Speakers cable	 4. Microphone
 1. Keypad	 3. Electronic control unit	 5. User's guide

Guidelines

If your DR03A is installed well, skip directly to the next chapter. The DR03A comprises an electronic control unit, a microphone, a 5-button-keypad and ISO connector plug for the car stereo.

Electronic control unit

Do not install the control unit near the vehicle's heater or air conditioning unit. Do not expose it to the direct sunlight. Avoid enclosing the unit inside the vehicle's metal wings or panels, which will affect the quality of the Bluetooth connection.

Microphone

The microphone must be pointed towards the driver and preferably fitted between the sun visor and the rear-view mirror.

Power cable and audio cable

Power cable is fitted with black ISO connector and audio cable is fitted with brown ISO connector.

Car stereo with ISO plugs

Disconnect the car stereo's audio and power leads. Join the female connectors of the audio cable and power supply cable to the car stereo. Join the vehicle's audio and power cables to the male connectors of DR03A. If your car stereo is equipped with a mute or telephone wire, connect the yellow wire of the mute cable to the mute wire. Refer to your car stereo's manual to determine the position of the mute or telephone cable.

Caution

The red wire of the power cable must be connected to the constant 12V supply, the yellow wire is connected to the ignition 12V, and the black wire grounded. Check the wiring diagram of the car stereo's ISO power connector plug on some vehicles, the position of the red and orange wires may need to be reversed. This can be done easily by reversing the fuse holders. Do not connect the orange wire to the constant 12V supply, as it will run up the vehicle's battery.






Car stereo without an ISO plug

You can use a specific adapter for the vehicle (not supplied), if you do not have an adapter, please connect the power and audio wire one by one. If the car stereo has a mute jack, connect the yellow wire of the mute cable.

The connection of line out

If there is an audio amplifier in your car, you can connect the line out to the line in of car audio amplifier directly, and enjoy stereo audio.

Function table of keys

Icon	Name	Function
	MFB key	<ul style="list-style-type: none"> ① Enter into the pairing mode ② Microphone mute ③ Music play / Pause
	Receiving a call	<ul style="list-style-type: none"> ① Receiving a call ② Voice switching ③ Last number redialing
	Ending a call	<ul style="list-style-type: none"> ① Rejecting a call ② Ending a call ③ Cancelling a call ④ Voice commands
	Volume+	<ul style="list-style-type: none"> ① Increase the volume ② Enable voice prompt caller ID
	Volume-	<ul style="list-style-type: none"> ① Decrease the volume ② Disable voice prompt caller ID

LED lights indications

Blue LED indicator:

Always high: Power on

Go out: Power off

Red/Green/Yellow LED indicator

Always high: Connected
Flash slowly: Disconnected
Flash fast: Pairing mode

Power on

Step	State/Result
The hands free car kit is power on in auto startup.	Blue LED indicator is always high.
The hands free car kit will connect with the last mobile phone automatically in the paired devices list.	If Red/Green/Yellow LED indicator is always high, it indicates that hands free car kit is connected with the mobile phone successfully; if it flashes slowly, that indicates it is failed to connect.
The hands free car kit enters into the standby mode.	

Note: If the hands free car kit is failed to connect with the last paired phone, it will be connected to the other three phones one by one and work until connected successfully.

Power off

Step	State/Result
Ensure that hands free car kit is on.	Blue LED indicator is always high.
The hands free car kit is power off in auto flameout.	When blue LED indicator goes out, it indicates that the hands free car kit is power off.

Pairing and connection:

The hands free car kit must be paired with mobile phone first, when you use the hands free car kit for the first time.

Step	State/Result
Ensure that the hands free car kit is in the state of power off.	The blue LED indicator goes out.
Power on	
Press “MFB” key for 2 seconds until the ticking sound and the beep sound are heard.	If Red/Green/Yellow LED indicator flashes fast, it indicates that the hands free car kit enters into the pairing mode.
Activate the mobile	The mobile phone will

phone to search the Bluetooth device. (Refer to the User Guide of your mobile phone for details).	show all the Bluetooth devices after searching.
The phone searches for Bluetooth devices within range and lists them. Select "DR03A" to set up the connection.	
Enter the password "8888" when indicated by your phone and confirm.	When the device name of "DR03A" is stored in the mobile phone, Red/Green/Yellow LED indicator will flash slowly which means the car kit is paired with the mobile phone successfully.
Pairing is now completed and the device can automatically connect to the mobile phone. (Such as Nokia)	When the device is connected to the mobile phone successfully, Red/Green/Yellow LED indicator will be always high, and the ticking sound can be heard.

Pairing is now completed and the device cannot automatically connect to the mobile phone.(Such as Siemens)	When the device is failed to connect with the mobile phone, Red/Green/Yellow LED indicator will flash slowly.
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Note: You have about three minutes to finish the pairing process when the hands free car kit enters into the pairing mode every time. The pairing will be finished and enter into the standby mode automatically. Then, repeat the steps of “Power off” - “Power on” - “Pairing/Connection” again.

MIC mute

Step	State/Result
Ensure that the hands free car kit is in the state of conversation.	
Press “MFB” key	MIC mute
Press “MFB” key again	Cancelling MIC mute

Receiving a call

Step	State/Result
Make sure that the hands	Red/Green/Yellow LED

free car kit is connected with your mobile phone.	indicator is always high.
Incoming call.	The ringing tones will be heard. The hands free car kit will report the caller ID automatically if the function of voice prompt works.
Press “Receiving a call” key.	Receiving a call.

Voice switching

Step	State/Result
Make sure that your mobile phone is in the state of conversation.	
Press “Receiving a call” key	Voice switches from the hands free car kit to the mobile phone. You can speak through the phone.
Press “Receiving a call” key again.	Voice switches from the mobile phone to the hands free car kit. You can use the hands free car kit now.

Last number redialing

Step	State/Result
Make sure that the hands free car kit is connected with your mobile phone.	Red/Green/Yellow LED indicator is always high
Press “Receiving a call” key	Redialing the last number.

Note: The function depends on the mobile phones. Some mobile phones don’t support this function. Please refer to the User Guide of your mobile phone.

Rejecting a call

Step	State/Result
Make sure that the hands free car kit is connected with your mobile phone.	Red/Green/Yellow LED indicator is always high.
Incoming call.	The ringing tones will be heard. The hands free car kit will report the caller ID automatically if the function of voice prompt works.
Press “Ending a call” key	Rejecting a call.

Ending a call

Step	State/Result
Make sure that your mobile phone is in the state of conversation.	
Press “Ending a call” key.	Ending a call.

Cancelling a call

Step	State/Result
Make sure that your mobile phone is in the state of conversation.	
Press “Ending a call” key.	Cancelling a call.

Voice commands

Step	State/Result
Make sure that the hands free car kit is connected with your mobile phone.	Red/Green/Yellow LED indicator is always high.
Press “Ending a call” key.	The voice prompts will be heard.
Speaking the stored voice tag.	The corresponding stored number will be dialed.

Note: The function depends on the mobile phones. Some mobile phones don't support this function. Please refer to the User Guide of your mobile phone. Ensure that a voice tag has been stored in the mobile phone before using "Voice Commands".

Volume adjusting

Step	State/Result
Make sure that your mobile phone is in the state of conversation.	
Increase the volume by pressing "Volume+" key. Decrease the volume by pressing "Volume—" key.	If the volume is turned too high or too low, the ticking will be heard.

Enable voice prompt caller ID

Step	State/Result
Make sure that the hands free car kit is connected with your mobile phone.	Red/Green/Yellow LED indicator is always high.
Enable the function of	

voice prompt caller ID by pressing “Volume+” key for about two seconds.	
The hands free car kit will report the incoming number automatically when a call comes.	

Disable voice prompt caller ID

Step	State/Result
Make sure that the hands free car kit is connected with your mobile phone.	Red/Green/Yellow LED indicator is always high.
Disable the function of voice prompt caller ID by pressing “Volume—” key for about two seconds.	
The hands free car kit will not report the incoming number when a call comes.	

FAQ

Q: Can DR03A Bluetooth hands free car kit be used with all mobile phones?

A: The hands free car kit is only used with the mobile phones which have standard Bluetooth function. Some mobile phones without Bluetooth function cannot be paired with the hands free car kit.

Q: Do we need pairing every time when we use the hands free car kit?

A: Before using the device for the first time, you must carry out the step of “Pairing/Connection”. Next time, this step will be saved once paired and connected successfully. Device will connect to the mobile phone automatically after power on.

Q: Can the hands free car kit set up the “Reconnection Mechanism” automatically again if the hands free car kit disconnect with the mobile phone?

A: Yes, this device supports “Reconnection Mechanism”.

- Cable diagram connection:

