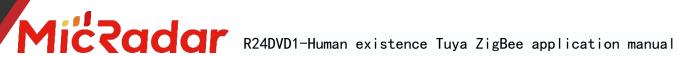


R24DVD1-Human existence Tuya ZigBee application manual

Please read the product instruction carefully before use and keep it properly ${\tt V1.0}$



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1. Device distribution routine steps

(The prerequisite for using Tuya zigbee radar equipment: Tuya zigbee gateway is required)

1. Download through the app store: Tuya Smart APP





 $2\sqrt{100}$ Click the "red plus sign" in the upper right corner to enter the product category selection page (Figure 2)





Figure 2

Figure 3

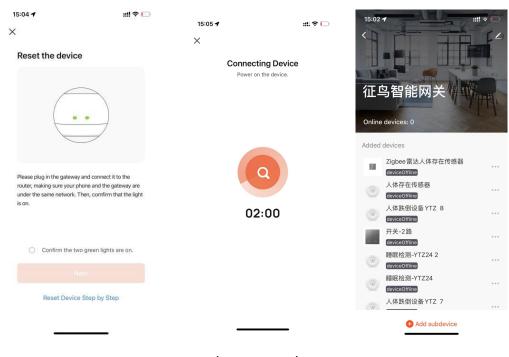
3. Select the "wired gateway"/"wireless gateway" product in the "gateway central control" category to enter the network configuration



page , and configure the network according to the type of gateway you have . (Figure 3)

 $4 \times Press$ and hold the button on the gateway until the two LED lights are always on, click Next to enter the gateway to automatically search for pairing. After pairing, follow the prompts to add a gateway to successfully configure the network.

(Note: If it is a wired gateway, the mobile phone needs to be connected to the wifi under the router connected to the gateway to connect successfully)

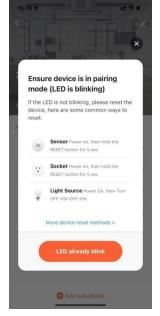


(Picture 4)

5. After the gateway is paired and connected successfully, you can click the gateway to enter the gateway, and click [Add Sub-device] to add Tuya zigbee devices (Figure 5)







(Picture 5)

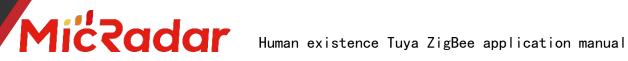
(Picture 6)

- 6. Press and hold the button on the radar hardware, let go after seeing the red light change from on to off, and see that the red light starts to flash. At this time, the radar enters the network distribution mode. Click [the indicator light is flashing quickly] to go to the next step. . (Picture 6)
- 7. At this time, the gateway will enter the state of continuously searching for zigbee devices. After a while, the gateway can automatically search for relevant radar devices. Follow the instructions to successfully add zigbee devices.

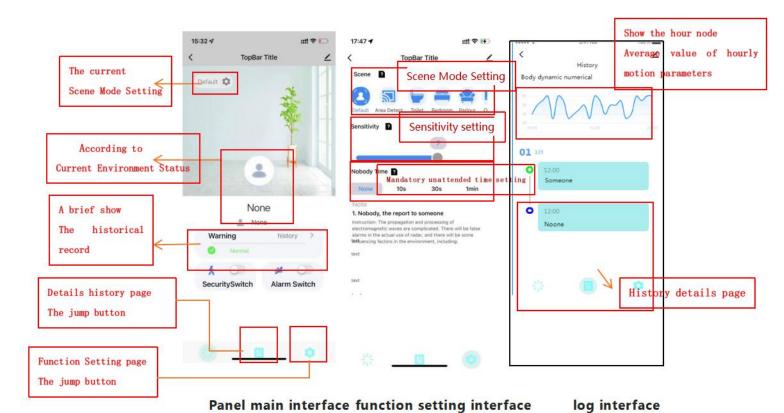




02:00



2.APP panel interface introduction



3.Introduction to application scenarios and functions of human presence radar

1. Restrictions on human radar installation scenarios:

Human presence radar is only suitable for indoor scenes

It is necessary to avoid fans, etc., which will vibrate and rotate metals within the radar detection range

2. Main function points of human presence radar:

Someone/Nobody Status Judgment

- 4. The main functions of the human presence radar are explained in detail:
- 1. Judgment of someone/nobody status:



No Time Test:

When there is no one in the radar detection range, the radar will detect whether there is no human movement, breathing and other actions within the range for a period of time, and output the unmanned state when it is confirmed that there is no one. (It is normal to enter the unmanned state within 1min in a normal environment)

Test with default sensitivity	When the radar status changes from	
leave the radar detection area	someone to still - "no one stops for a	
There are no people moving around in	moment	
the environment and no interference	Recording radar into dead time	
from sources of interference	In the range of 90 s ~ 180 s, it means	
start the timer	"pass"	

Example test table format:

Testing frequency	scene mode	Sensitivity	into no man's time	pass
the first time	default scene	3	45s _	pass

• Trigger distance test:

When a person within the radar detection range enters the trigger, the radar will instantly display the presence status.

Switch between different scene modes	When the radar state changes from no		
for testing	one - "someone stops for a moment		
Trigger range according to different scene	Record the distance to the radar		
modes	Compare and verify with the		
Keep approaching the radar at a speed of	corresponding data provided		
at least 0.7m/s	If the error is within ±0.5m, it means		
	"pass"		

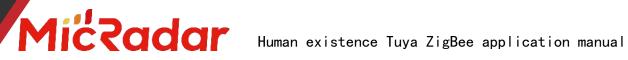
Example test table format:

Testing frequency	scene mode	Test direction	document data (radius)	real data (radius)	pass
the first time	default scene	The long side	4.5 m	4.2m _	pass

Sitting distance test:

When the person within the radar detection range remains stationary, the radar will continue to display the stationary state of the person.

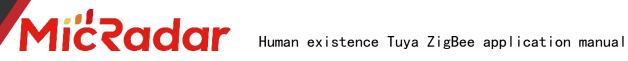
|--|



Facing the Radar Sit Test within the Radar	Record whether the radar can keep the
Sit Detection Range	occupant state after sitting for 5 minutes
5min per test	If it can keep the state of people for 5
	minutes, it means "pass"

Example test table format:

Testing	scene	Sensitivity	Test	document	real data	pass
frequency	mode		direction	data (radius)	(radius)	
the first	default	3	The long	2.5 m	2.3 m	pass
time	scene		side			



Stateless testing:

When the detection area is unmanned, the radar will output the unmanned state after a certain period of time judgment.

, , , ,	
Leaving the detection range of the	When the radar state
selected scene mode	Can hold "None" status means "Pass"
No trigger, no interference, keep for a	
certain period of time after entering the	
unmanned state	
Judging radar status	

Example test table format:

Testing frequency	Whether the status is responsive	pass
the first time	Yes	pass

3. Historical version update instructions

Revision	Release Data	Summary	Author
V1.0_0606	2022/6/6	first draft	OF_Frank

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