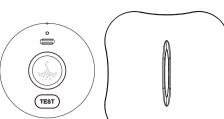# USER MANUAL

Water Leak Detector(WD71) + Wi-Fi Gateway(W13)

Tuya Smart App

Customer Service

Warranty: 12-month Limited Warranty

Battery recycling

Do not dispose of used batteries with your household waste, but in the recycling bins provided.

封面   封底

Table of Contents

INTRODUCTION

The Tuya Smart App may be used to:
● Monitor and control the W13 Wi-Fi Gateway.
● Connect the WD71 Water Leak Detector to the Gateway.

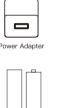NOTE: The water detectors are paired with the gateway in advance. To begin setup, place batteries in the water leak detector and connect the gateway to a 2.4G Wi-Fi network.
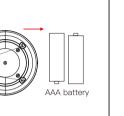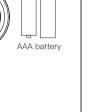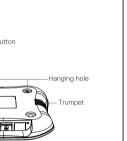
PACKAGE CONTENTS

Gateway   Power Adapter   Power Cable

Water Leak Detector   AAA Battery   Open Tool

1

PRODUCT OVERVIEW

WD71 Water Leak Detector

Indicator
Sensor
Alarm
Test key
Probe
AAA battery

W13 Wi-Fi Gateway

Indicator light
Set button
Arm/Disarm button
Volume button
Hanging hole
Power port
Siren port
Trumpet

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INSTALL BATTERIES INTO THE WATER LEAK DETECTOR

Water Leak Detector   Opening Port   Open Tool

Step 1: Align the opening of the battery compartment with the opening tool

Step 2: Press inward after aligning

Step 3: Turn the tool clockwise once to open it

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Step 4: Install 2 AAA batteries for each water detector

Step 5: Close the water detector cover : you can find a protruding line and align both sides. Press them firmly

Gateway

To turn on the gateway, either hold the [🔒] key for 1.5 seconds or connect the USB power port to a power source.
Note: If the gateway is 0% charged, the USB power port must be connected to a power source.
When the gateway is turned on, the red indicator light on the panel will flash continuously for 30 seconds while the panel connects to Wi-Fi.

● If the Wi-Fi connection does not occur within 30 seconds, the indicator light will stop flashing.
● If the Wi-Fi connection occurs within 30 seconds, a blue light will indicate that the panel has been connected to Wi-Fi.

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CONNECT DEVICES TO THE TUYA SMART APP

Scan the QR code or search "Tuya Smart" in the App Store (Apple) or Play Store (Android) to download and install.

To connect devices to the Tuya Smart app you will need:
1. Your Wi-Fi name and password.
2. To ensure your Wi-Fi network is compatible with 2.4 GHz
3. To turn on Bluetooth on your device.

REGISTRATION FOR APP

The first time you open the "Tuya Smart" app, you need to register an account.

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CONNECT TO THE TUYA APP

Bluetooth Connection (Recommend)

Step 1: Long press the [⊲] button on the gateway of the gateway to enter the Wi-Fi connection status.
Step 2: Turn on the Wi-Fi on your phone and select Bluetooth is turned on.
Step 3: Enter the 'Tuya' app and select 'Add Device'.
Step 4: Select your 2.4 GHz WiFi. Enter your password to connect.

Step 3 .1   Step 3 .2

Enter Wi-Fi Information

Step 3 .3

NOTIFICATION SETTINGS

1. Turn on your phone notification (in the Settings app) for the "Tuya Smart" app.
2. Turn on notification settings within the Tuya app (click the "Me" tab, the settings icon in the top right corner, and the app notifications tab to configure notifications in the app).

APP OPERATION

In the app device page, you can view the status of the gateway, arm/disarm the gateway remotely, view the history, set the accessories, attributes, and set the gateway-related attributes.

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Home Arm.

Home Arm refers to the case of user(s) residing in the house. For the Home Arm setting, all indoor detectors are turned off to prevent a false alarm, but all perimeter detectors remain armed.

History records: Click [History records] to check the operation record of the Wi-Fi gateway such as arming, disarming, and past detector triggers.

Accessories: Click [Accessories] on the operation page to enter the accessories management page of app where you can add accessories and set accessories attributes.
   1. Name the accessories.
   2. Enable the device
   3. Set the properties of defense zone (Normal: the accessories will alarm only when the gateway is armed, Emergency: the accessories will alarm when triggered by any state, Stay).
Set the defense zone attributes (Normal: the accessories will alarm only when the gateway is armed, Emergency: the accessories will alarm in any state, Guarded: the accessories with normal attributes will work but the accessories with guarded attributes will not work after the guard is armed).
Setting the track when a single accessory is triggered.

Arm

Arm Status refers to a full range of on-site alarm detection alert for the home. If all detectors are in working state, disturbances will trigger the detectors immediately.

Disarm

Disarm Status refers to the status in which the panel turns off the arming function of the alarms. After disarming, when detectors are triggered, the panel will not trigger the alarm (except the detectors of emergency zones and the case where the emergency button is used)

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Setting: Click [Setting] on the operation page to enter the setting page, which can be used for gateway attributes (timed arming and disarming, arming delay, arming and disarming push switches, delayed alarm duration, gateway volume, clearing of all accessories, gateway language, and viewing gateway version information).

● Local Arm delay: Setting up delayed arming can be convenient for users to go out in the case of time buffer (delayed trigger detector gateway will not alarm), 0~255 seconds can be set.
● Timer: Users can set up timed arming and disarming and alarming according to their needs.
● Arm or disarm push switch: After opening the arming and disarming of the operating gateway, information will be sent to the connected device.
● Volume: Adjust the volume of the gateway broadcast track.
● Entry delay: Setting the alarm delay time can be convenient for users to enter the door in time case of time buffer (delay in the case of triggering the detector gateway will not immediately alarm.), 0~255 seconds can be set
● Factory reset: click to confirm to clear all the paired accessories of the gateway.

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● Language: Set the language of the gateway's notifications, history, and accessories displayed on the app.

Click [✎] in the upper-right corner of the gateway page to enter the gateway's setting page where you can set gateway properties.

● Share Device: Share the gateway information with other users.
● FAQ & Feedback: View solutions to common problems and provide feedback on unresolved issues
● Device Upgrade: Check the firmware version of the gateway
● Remove Device: Remove the device if no longer needed

● Device Name: Check the gateway name or rename the gateway
● Device Information: Check the virtual ID, IP address, Mac address, gateway time zone, and signal strength
● Offline Notification: Send a reminder when a gateway is disconnected for more than 30 minutes and when a low-power gateway is disconnected for more than 8 hours

TESTING THE DEVICE

1. Turn on "Arm" within the Tuya app:
2. After successfully adding a water leak detector to the gateway, test the device to ensure it is functioning normally. When the water leak detector is triggered, the gateway broadcasts a tone and sends a notification to the device connected to the gateway.
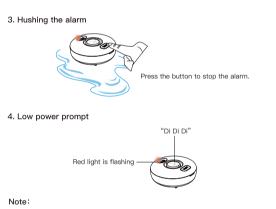
TROUBLESHOOTING

1. The gateway supports 2.4 GHz Wi-Fi (5 GHz Wi-Fi is not supported).
2. The gateway not wired for power supply.
3. In the case of poor connection, move the gateway closer to the Wi-Fi router.
4. If someone already has a connection to your gateway, perform a gateway reset. (General Clearing)

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USING THE WATER LEAK DETECTOR

1. Place the sensor of the water leak detector in which you need to strengthen the water level detection.

2. Detecting Dripping

Water leaking Alarm   Water Dripping Alarm

3. Hushing the alarm

Press the button to stop the alarm.

4. Low power prompt

Red light is flashing   "Di Di Di"

Note:
● The bottom of the water detector has four metal probes which are detector sensor. Two metal probes of parallel lines will immediately alarm when they detect water. But 2 metal probes of diagonal lines will not alarm when they detect water.
● The device is still not dehydrated after the detector alarm is over, then the flood detector will continue to alarm every 15s until the dehydration or press the button to cancel the alarm, It will not make a regular alarm prompt if it's still immersed in water after 24 hours.
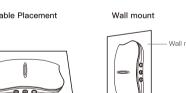
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Power on

Install 2 AAA batteries, and the LED red light will flash once, indicating that the water detector is turned on;
Press and hold the 【TEST 】 button for 10 seconds, and it will make a short beep, indicating that is turned on.

Power off

Press and hold the 【TEST 】 button for 10 seconds, and the volume will switch once at the 3rd second. At the 10th second, it will make a long "beep" sound, indicating that is turned off;
Remove the battery to turn off the water detector.

Setting Volume

When turned on, press and hold the 【TEST 】 button for 3 seconds to set the volume level to 4 (Didi Didi – maximum sound). Release it and continue to press and hold for 3 seconds to set the volume level to 3 (Didi Didi), –2 (Didi) –1 (Mute) –4–3–2–1 (only 1 level of volume can be set every 3 seconds)
Note: When you reinstall batteries, it will restore the maximum volume level.

Test

Short press 【TEST 】 key for 1 second, water detector alarm for 2 seconds

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SETTING UP THE GATEWAY

Flat Table Placement   **Wall mount**

Wall nails

Set button: Sets melody
*Arm/*Disarm Button: Toggles arming and disarming mode
Volume Button: Adjusts volume
Indicator light: Indicates gateway mode by glowing light
Power port: Connection to power supply
Siren port: Connection to external speaker
Trumpet: Sound emission source
Hanging hole: Allows wall mounting

When the panel is connected to Wi-Fi, short press the [⊲] key, the panel will first flash the BLUE light once, beep once (when the volume is maximum or minimum, the panel will first flash the BLUE light twice and beep twice), and play the prompt tone.
When the panel is not connected to Wi-Fi, short press the [⊲] key, the panel will first flash the RED light once and beep once (when the volume is maximum or minimum, the panel will first flash the RED light twice and beep twice), and then play the prompt tone.

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Indicator light of the panel

Red light——*Arm, Green light——*Disarm, Blue light—— Home arm
(1) When the panel is not configured with a network, the Arm/Disarm, Home, and indicator light will flash.
(2) After the panel has been configured with network, the indicator light will stay on.
(3) When the panel alarms, the indicator light will briefly flash.

Power off

Press and hold the [🔒] key for 3 seconds, the panel will beep and the red indicator light will turn on. After releasing the
[🔒]key, the panel will report the power off event to the app. The red indicator light will flash 3 times and beep 3 times before powering off.

GATEWAY KEY OPERATION

[⚙] key
Short press: Play melody track in loop.
[🔒] key
Short press: Change the status of *arm/*disarm/ home arm
Long press: power-off
[⊲] key
Short press: Set the volume level (every time the gateway is powered off, the volume will be at the maximum value)
Long press: Enter Wi-Fi setting status (Gateway On Pairing)
[⚙] and [🔒] key, when the gateway is turned on
Long press: Enter AP connection
[⚙] and [⊲] key

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Long press, press the device you want to pair: Add Water Detector
Long press 10s: Delete all water detectors
[⊲] and [🔒] key
Long press: Reset to factory settings.
Long press: Reset to factory off.
Long press: Reset to factory settings and unpair all connected devices

Gateway charging or power off

When the USB is charging or powering off, the gateway will beep once, the red indicator light will flash once, and the
app will show the message: "power connection" in the case of charging or "power disconnection" in the case of powering off.

ADD OR DELETE WATER LEAK DETECTORS

(Notes: The water detectors are paired with the gateway in advance.)
1. Long press the [⚙] and [⊲] keys.
   The gateway will beep and the indicator light will turn yellow.
2. a. Press the Water Detector TEST key, the gateway will beep twice and the indicator light will blink twice if successful.
   b. Press the Water Detector TEST key, the gateway will beep once and the indicator light will blink once if the water leak detector has already been added.
   c. Press the Water Detector TEST key, the gateway will beep three times and the indicator light will blink 3 times if no more detectors can be added.

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d. Long pressing the [⚙] and [⊲] keys cause the gateway to beep four times, and the indicator light will blink 4 times once the water detectors have been deleted.
3. Short press any button to exit the adding process.

Notes:
1. To exit the water leak detector pairing state, short press any key on the gateway twice or wait 20 seconds without performing any operations.
2. The gateway can pair up to 24 model WD71 water leak detectors. (No support for WD70)

Low Battery

Low battery reminder: When the gateway power is less than or equal to 20%, the app will send a low battery notification.
Low power shutdown: When the gateway battery is 0%, the app will send a shutdown notification, and the LED indicator light will flash 3 times and beep three times before shutting down.

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SPECIFICATION

Water Leak Detector
Working Voltage: 2XAAA Batteries
Wireless Frequency: 433MHz
Alarm Volume 0–120 dB
Work with gateway distance < 100 m/328 ft (No obstructions)
Waterproof Rating: ip66
Alarm Duration: 15s/First time(The second alarm sounds every 15s and lasts for 24 hours.)

Gateway
● Working Voltage: Lithium battery 3.7V–4.2V (External Type-C power supply available)
● Working current: < 20 mA
● Wi-Fi connection current: < 170 mA
● Shutdown power consumption: < 40 uA
● Charging current: > 180 mA (5 V)
● Work with sensor distance < 100 m / 328 ft (No obstructions)
● Wireless frequency: 433.92MHz
● Modulation: ASK
● Decibels: 100dB

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单页尺寸：80x100mm
展开尺寸：160x100mm
材质:68G双胶
颜色：彩色
骑马钉装订

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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 Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.