HYDONG BR18-SH4Q

HYDONG Smart Light Bulbs User Manual

Model: BR18-SH4Q
Brand: HYDONG

1. Introduction

Thank you for choosing HYDONG Smart Light Bulbs. These A19 LED bulbs offer 15W (150W equivalent) of bright, color-changing illumination with tunable white light (2700K-6000K). Designed for seamless integration with Alexa and control via the BRmesh app, they provide advanced features such as music sync, group control, and scheduling. This manual provides essential information for safe installation, setup, operation, and maintenance of your smart light bulbs.



This image displays the HYDONG A19 smart light bulb alongside a smartphone screen showing the BRmesh application interface for color and brightness control.

2. Safety Information

Please read all safety instructions before installing or using your smart light bulbs. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor Use Only:** These bulbs are designed for indoor use in dry locations. Do not use in wet or damp environments.
- **Power Off Before Installation:** Always turn off the power to the fixture at the circuit breaker before installing or removing the bulb.
- **Correct Voltage:** Ensure the bulb's voltage rating (100-120V AC, 60Hz) matches your electrical supply.
- **Not for Enclosed Fixtures:** Do not use in fully enclosed luminaires, as this may shorten the bulb's lifespan due to heat accumulation.
- **No External Dimmers:** These bulbs are dimmable via the app or voice control only. Do not connect to external dimmer switches, as this may cause damage or malfunction.
- **Avoid Physical Damage:** Do not disassemble, modify, or drop the bulb.
- **Disposal:** Dispose of the bulb according to local regulations for electronic waste.

3. Package Contents

- HYDONG Smart Light Bulb (1 Pack)
- User Manual

4. Product Specifications



An infographic detailing the key features of the BRmesh Bluetooth A19 light bulb, including 120V, 15W (150W equivalent), CRI>90, 1550 lumens, 16 million colors, tunable 2700K-6000K, APP control, voice control, group control, timing function, music sync, DIY mode, no flicker, no buzzing, and dimmable via APP 1%-100%. It also shows the bulb's dimensions (120mm height, 60mm diameter) and E26/E27 base.

Feature	Specification
Brand	HYDONG

Model Number	BR18-SH4Q
Light Type	LED
Bulb Shape Size	A19
Bulb Base	E26/E27
Wattage	15 Watts
Incandescent Equivalent	150 Watts
Brightness	1550 Lumens
Color Temperature	Tunable 2700K-6000K, Multicolor
Color Rendering Index (CRI)	90
Voltage	100-120 Volts (AC), 60 Hertz
Control Method	App (BRmesh), Voice (Alexa Only)
Special Features	Color Changing, Dimmable, Music Sync, Group Control, Timer, Flicker-Free, Eye-Friendly
Material	Aluminum, Plastic
Product Dimensions	2.36"W x 4.72"H
Certifications	ETL, FCC, ROHS

5. Setup and Installation

5.1 Physical Installation

1. **Power Off:** Ensure the power to the light fixture is turned off at the circuit breaker before installation.
2. **Screw In Bulb:** Carefully screw the HYDONG Smart Light Bulb into a standard E26/E27 light socket. Do not overtighten.
3. **Power On:** Restore power to the light fixture at the circuit breaker. The bulb should light up.

5.2 App Download and Initial Pairing (BRmesh App)

The BRmesh app is required for full functionality and initial setup. No registration or Wi-Fi hub is needed.

1. **Download App:** Search for "BRmesh" in the iOS App Store or Google Play Store and download the application.
2. **Open App:** Launch the BRmesh app on your smartphone.
3. **Add Device:** Turn on the smart light bulb. In the BRmesh app, click the "+" icon or follow the on-screen prompts to add all detected lights. The app uses Bluetooth 5.0 for direct connection.
4. **Control:** Once added, you can control the bulb's color, brightness, and other features directly from the app.

5.3 Connecting to Alexa

These bulbs are compatible with Alexa only. No separate Alexa skill is required.



A five-step visual guide demonstrating how to connect the smart light bulb to Alexa/Echo devices: download BRmesh app, turn on switch and add lights, activate Alexa in the app, select lights, and use voice command 'Alexa, find devices'.

1. **Activate Alexa in BRmesh:** In the BRmesh app, navigate to the settings or control interface for your bulb and select "Activate Alexa" or a similar option to link the bulb with Alexa.

2. **Discover Devices:** Say, "Alexa, discover devices" to your Alexa-enabled speaker (e.g., Echo, Echo Dot). Alexa will search for and connect to your new smart light bulb.
3. **Voice Control:** Once discovered, you can control your bulb using voice commands, such as "Alexa, turn on the light" or "Alexa, set the light to blue."



A family in a living room demonstrating hands-free smart voice control using an Alexa device to operate the smart light bulb. The image highlights compatibility exclusively with Alexa, not Google Home or HomePod, and indicates it's not compatible with external dimmer switches.

6. Operating Instructions

6.1 App Control (BRmesh)

The BRmesh app provides comprehensive control over your smart light bulb:

- **Color Selection:** Choose from 16 million colors to match your mood or decor.
- **Brightness Adjustment:** Dim the light from 1% to 100% for optimal ambiance.
- **Tunable White:** Adjust white light from warm (2700K) to cool (6000K).
- **Scene Modes:** Select from 25 pre-set scene modes (e.g., Game, Relax, Read, Yoga) or create custom scenes.
- **Music Sync:** Activate the "Music Rhythm" function to synchronize the light's changes with music played through your phone's microphone.
- **DIY Mode:** Customize your own lighting effects and save them.

Multiple Dynamic Scenes

Use full color changing bulbs to match any mood



A collage of four images depicting different dynamic lighting scenes: 'Game' with vibrant colors, 'Relax' with soft ambient light, 'Read' with focused white light, and 'Yoga' with calming hues, showcasing the versatility of the full color-changing bulbs.



A person dancing in a living room with colorful lighting, demonstrating the music sync feature where the smart lights change in rhythm with music.

6.2 Voice Control (Alexa)

Use simple voice commands with your Alexa-enabled device to control your smart light bulbs:

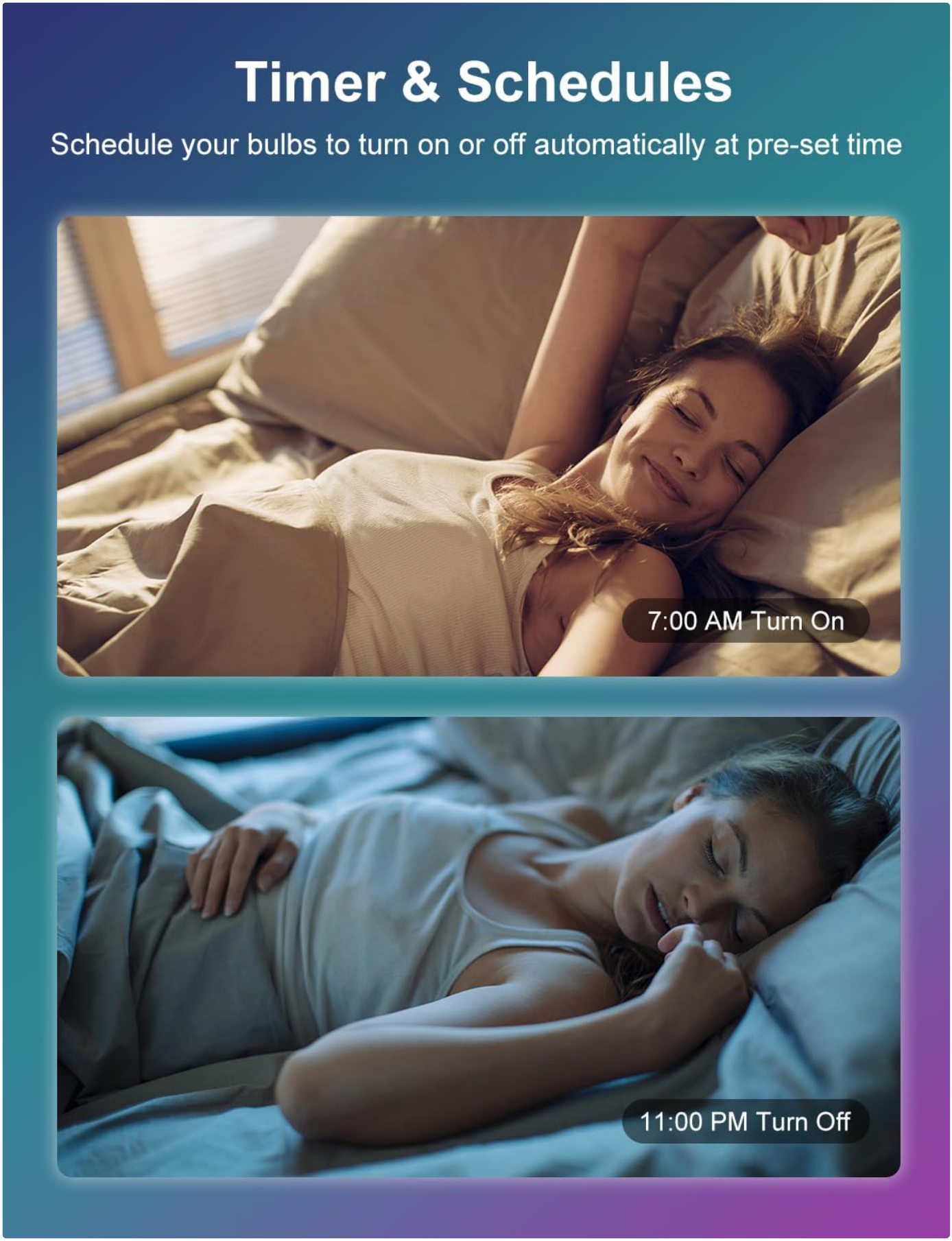
- "Alexa, turn on [Light Name]."

- "Alexa, turn off [Light Name]."
- "Alexa, set [Light Name] to 50% brightness."
- "Alexa, change [Light Name] to blue."
- "Alexa, set [Light Name] to warm white."
- "Alexa, dim [Light Name]."

6.3 Timer and Schedules

Set up timers and schedules through the BRmesh app to automate your lighting:

- **Wake-up Light:** Schedule the light to gradually turn on in the morning.
- **Sleep Aid:** Set the light to turn off automatically at bedtime.
- **Away Mode:** Create schedules to make your home appear occupied when you are away.



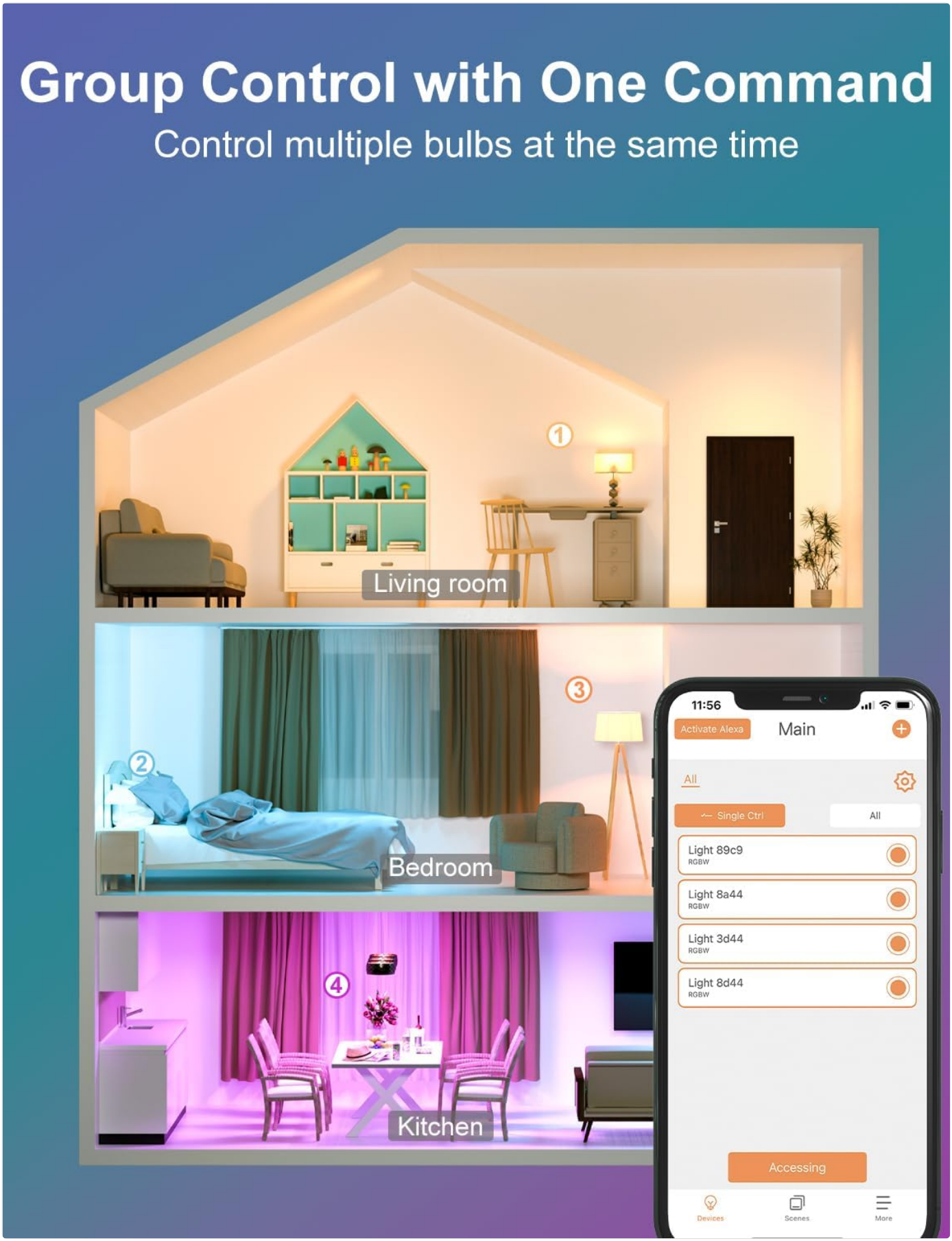
Two images illustrating the timer and schedule functionality: one showing a person waking up at 7:00 AM with the light turning on, and another showing a person sleeping at 11:00 PM with the light turning off.

6.4 Group Control

Control multiple HYDONG smart light bulbs simultaneously by creating groups in the BRmesh app:

- **Create Groups:** In the BRmesh app, select the option to create a group and add multiple bulbs to it.

- **Control as One:** Once grouped, you can control all bulbs in that group with a single command or app action.



An illustration of a multi-story house demonstrating how a single command can control multiple smart light bulbs across different rooms (living room, bedroom, kitchen) via the BRmesh app.

7. Maintenance

The HYDONG Smart Light Bulbs require minimal maintenance.

- **Cleaning:** Ensure the bulb is off and cool before cleaning. Wipe with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Flicker-Free Technology:** The bulbs utilize "PWM to Analog" technology to ensure flicker-free operation, which is gentle on the eyes and ideal for photography.



An image showing a person taking a photo of a child reading under a smart light, emphasizing the 'PWM to Analog' technology that ensures flicker-free lighting, making it eye-friendly and suitable for photography.

8. Troubleshooting

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture; Bulb not screwed in properly; Bulb is faulty.	Check circuit breaker. Ensure bulb is securely screwed in. Test bulb in another working fixture.
Cannot connect to BRmesh app.	Bluetooth is off; Bulb is out of range; App issue.	Ensure Bluetooth is enabled on your phone. Move closer to the bulb. Restart the app or your phone.
Alexa cannot discover the bulb.	Bulb not in pairing mode; Alexa device out of range; BRmesh app not linked to Alexa.	Ensure bulb is powered on. Move Alexa device closer. Follow steps in Section 5.3 to activate Alexa in BRmesh app and then ask Alexa to discover devices.
Bulb flickers or behaves erratically.	Connected to an external dimmer switch; Power fluctuations.	Remove any external dimmer switches. Ensure stable power supply.
Music Sync not working.	Microphone permissions not granted; Microphone occupied by another app.	Ensure BRmesh app has microphone permissions. Close other apps that might be using the microphone.

9. Warranty and Customer Support

HYDONG is committed to providing quality products and customer satisfaction. Your HYDONG smart light bulbs come with professional customer service support. For any queries regarding the product, technical assistance, or warranty claims, please feel free to get in touch with us. Our customer service team is available 24 hours to assist you.
Please refer to your purchase documentation or the official HYDONG website for specific warranty terms and contact information.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question