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› Retekekess TM102 Wireless Reactive Buzzer System Instruction Manual

Retekess TM102

Retekess TM102 Wireless Reactive Buzzer System Instruction Manual

Model: TM102

1. PRODUCT OVERVIEW

The Retekekess TM102 is a wireless reactive buzzer button designed for interactive games, quizzes, and competitions. It enhances fairness and engagement in various settings, including home parties and school activities. This manual provides essential information for the proper use and maintenance of your TM102 buzzer.

Button size

90*90*40mm



84g



Image 1.1: Reteless TM102 Buzzer Button showing its dimensions (90x90x40mm) and weight (84g). The image also shows students in a classroom setting in the background, indicating its use in educational environments.

Key Features:

- **Compatibility:** Designed to be used with a compatible host system (sold separately) for competitive games and school quizzes.
- **Portability:** Lightweight and compact design for easy transport and setup.
- **Type-C Charging:** Features a standard Type-C charging port for convenient power replenishment.
- **Simple Operation:** Intuitive single-touch activation.
- **Durability:** Engineered for long-term use, tested for over 20,000 presses.

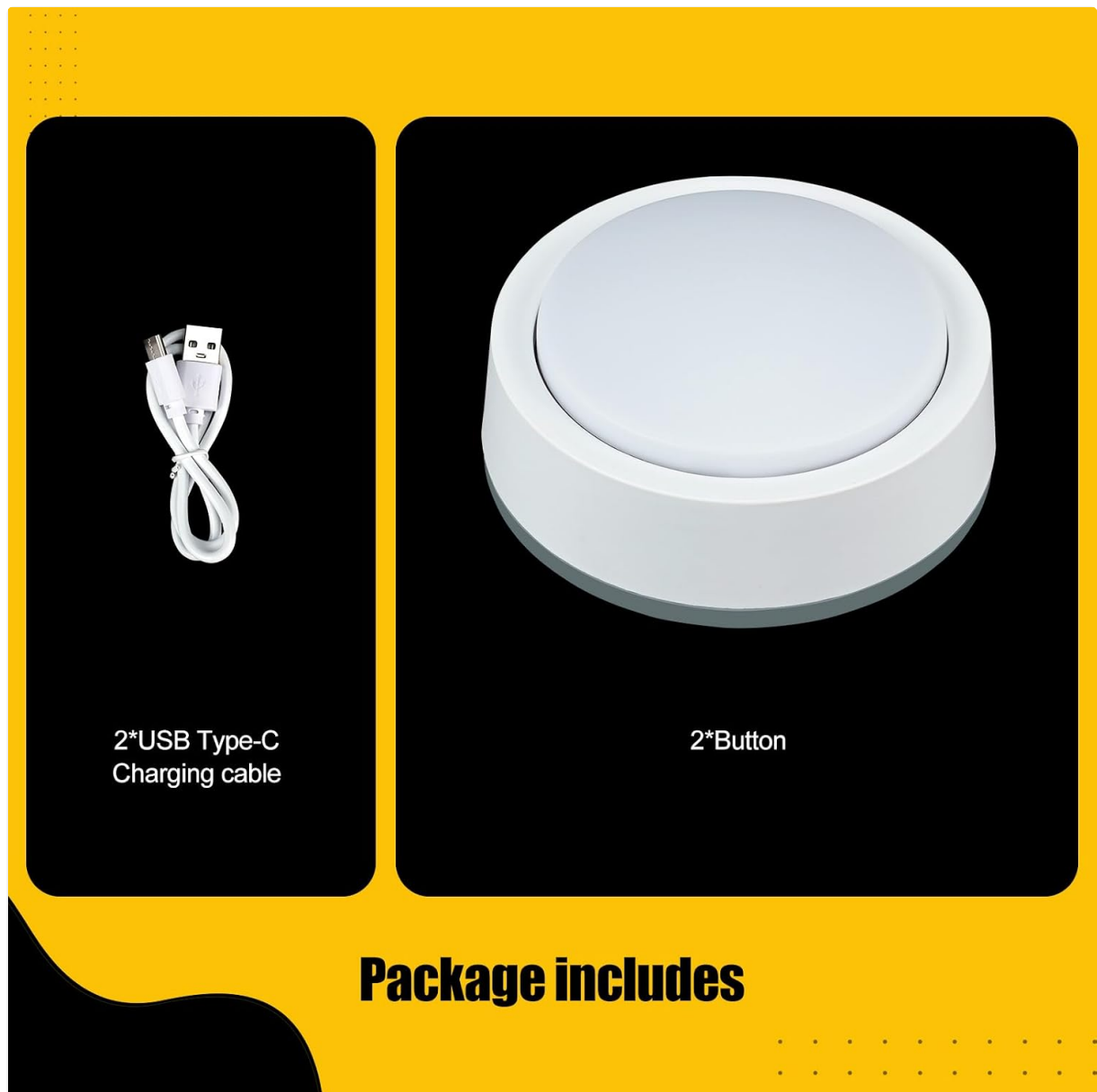


Image 1.2: The package includes two Reteless TM102 buzzer buttons and two USB Type-C charging cables.

2. SETUP INSTRUCTIONS

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the "Package Includes" section are present and undamaged. If any items are missing or damaged, contact customer support immediately.

2.2 Powering On/Off

Each TM102 buzzer button features a physical ON/OFF switch located on its underside. To power on the device, slide the switch to the "ON" position. To power off, slide it to the "OFF" position. Ensure the device is powered off when not in use to conserve battery life.



Physical switch

Complete power off

Image 2.1: The physical ON/OFF switch located on the underside of the buzzer button for complete power control.

2.3 Pairing with Host System (Host Not Included)

The TM102 buzzer buttons are designed to work with a compatible Reteless host system (e.g., TM101 or TM102 host, sold separately). Refer to the host system's instruction manual for detailed pairing procedures. Generally, the host system will have a pairing mode that allows it to detect and connect with the individual buzzer buttons. Ensure the buzzers are powered on during the pairing process.



Image 2.2: Illustration of the working distance between the TM102 buzzer button and its host system, which is approximately 20 meters (66 feet). The host system is not included with the buzzer buttons.

3. OPERATING INSTRUCTIONS

3.1 Basic Operation

Once paired with the host system, the TM102 buzzer button is ready for use. To activate the buzzer, simply press the top surface of the button. The host system will register the input and respond according to its programmed game mode.

3.2 Light Indicators

The TM102 buzzer button features colorful light indicators to provide visual feedback during gameplay. The specific light patterns and colors are determined by the host system's settings and the game mode in use. Common indications include:

- **Green Light:** Often indicates the first player to buzz in or a correct answer.
- **Blue Light:** May indicate subsequent players or a specific game state.
- **Red Light:** Typically indicates a "foul" or an incorrect answer.
- **Yellow Light:** Can indicate a locked state or a waiting period.



Image 3.1: Examples of colorful light indications on the buzzer buttons. Yellow indicates a locked state, red indicates a foul, green indicates the first player to buzz, and blue indicates the third player.

4. MAINTENANCE

4.1 Charging the Battery

The TM102 buzzer button is equipped with a rechargeable battery. When the battery level is low, the buzzer may indicate this through a specific light pattern or the host system may display a warning. To charge, connect the provided USB Type-C cable to the charging port on the buzzer and plug the other end into a compatible USB power source (e.g., computer, wall adapter).

- **Charging Time:** Approximately 3 hours for a full charge.
- **Working Time:** Up to 25 hours on a full charge.

Type-C Charging port



Image 4.1: The Type-C charging port on the side of the buzzer button, ready for connection to a charging cable.

Battery information



Image 4.2: Visual representation of battery information, showing a charging time of 3 hours and a working time of 25 hours.

4.2 Cleaning and Storage

To clean the buzzer buttons, use a soft, dry cloth. Avoid using abrasive cleaners or solvents. Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use. Ensure the physical switch is in the "OFF" position during storage.

5. TROUBLESHOOTING

- **Buzzer not responding:**
 - Ensure the buzzer's physical ON/OFF switch is in the "ON" position.
 - Check the battery level and charge the buzzer if necessary.
 - Verify that the buzzer is properly paired with the host system. Refer to the host system's manual for re-pairing instructions.
 - Ensure the buzzer is within the operating range (approximately 20 meters / 66 feet) of the host system.
- **Light indicators not working:**
 - Check battery level.

- Ensure the buzzer is powered on and connected to the host.
 - Consult the host system's manual for light indicator settings.
- **Short battery life:**
 - Ensure the buzzer is fully charged (approx. 3 hours).
 - Power off the buzzer using the physical switch when not in use.
 - Battery performance may degrade over time with extensive use.

6. SPECIFICATIONS

Feature	Detail
Model Number	TM102
Transmission Frequency	2.4GHz, GFSK wireless FM communication
Charging Mode	Type-C Charging port 5V1A
Charging Time	3 hours
Transmit Power	2mW
Battery Life	25 hours
Dimensions (L x W x H)	90 x 90 x 40 mm
Battery Capacity	Built-in lithium battery 500 mAh
Battery Voltage	2.7V ~ 4.2V
Working Current	110mA
Material Type	Plastic
Color	Pink and Blue (for the set)
Operating Mode	Manual
Indoor/Outdoor Use	Indoor

Button

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Image 6.1: Detailed technical specifications for the Reteless TM102 buzzer button.

7. WARRANTY AND SUPPORT

7.1 Manufacturer Warranty

Reteless offers a **2-year warranty** for the TM102 Wireless Reactive Buzzer System. Additionally, a **30-day no-reason return policy** is provided. For warranty claims or returns, please contact Reteless customer support.

7.2 Post-Warranty Service

Beyond the warranty period, maintenance services are still available. Buyers will be responsible for any associated costs. For service inquiries, contact Reteless customer support.

7.3 Customer Support

For any questions, technical assistance, or support needs, please contact Reteless directly through Amazon. Responses are typically provided within 12 hours.

Contact Information:

- Via Amazon: [RetevisDirect Seller Page](#)

- Brand Store: [Retekeess Official Store](#)