Model: T100

DRAWING PROJECTOR

User Manual

*The packaging/instructions must be retained once it contains important information

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English ———————— 01-09

CE FC UK CA RoHS CPC Made in China

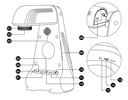
Preface

Thank you for purchasing this device. This product features relatively complex functions. Please read this manual carefully before use to learn about its features and operation instructions. Important information, so please keep it properly for future reference.

Important Notes

1. Before first use, complete the full assembly of the device and fully charge the battery. Refer to the manual.
2. Be sure to remove the protective film on the projector lens before use. Do not touch the lens with your hands directly, as stains and fingerprints affect image clarity and quality.
3. Do not block the heat dissipation vents of the projector to ensure proper heat dissipation and prevent malfunctions caused by overheating.
4. Do not disassemble the device without professional guidance or authorization. Unauthorized disassembly will lead to device damage and void the after-sales warranty.
5. This product is equipped with a non-replaceable built-in lithium battery. All charging operations must be performed by adults. Children are prohibited from charging the device alone.
6. Use only the specified charger, such as a transformer or toy power supply. The transformer and power supply are not toys.
7. This toy contains a non-replaceable battery. Battery charging must be supervised by adults.
8. Regularly inspect the power cord, plug, shell and other parts of the USB cable before use. Stop using the device and repair damaged parts immediately.
9. Improper use of power supplies may cause electric shock.
10. The toy shall only be connected to devices marked with the specified symbol.

Product Description



Focus Wheel
Rotate the wheel to adjust the projection focus for a clear image, adapting to different projection distances.

Projector Lens
The core component for image projection. Keep it clean and unobstructed at all times.

Speaker
Outputs audio for stories, music and operation prompts.

Bluetooth Indicator Light
Flashes green three times repeatedly when waiting for connection; flashes green quickly for one second once connected successfully.

Previous Step Button
Return to the previous drawing step or menu interface, and support long press.

Confirm Button
Enter function interfaces, confirm menu selections, and pause/resume story and music playback.

Next Step Button
Switch drawing steps and menu options to proceed with operations.

Projector Power Port
Supplies power to the projector to ensure normal projection.

Card Slot
Insert dedicated function cards here for the device to recognise corresponding functions.

Power & Return Button
Turn the device on/off; return to the upper-level interface during operation.

Volume/ Brightness Down Button
Short press to lower the volume; long press to reduce projection brightness.

Volume/ Brightness Up Button
Short press to raise the volume; long press to increase projection brightness.

Charging Indicator Light
Shows real-time charging status (red for charging, off when fully charged).

Type-C Charging Port
Dedicated charging port compatible with standard USB-C cables.

Reset Button
Press to restart the device when it freezes or malfunctions.

Assembly Requirements

Projector Assembly: Assemble the projector strictly in accordance with the diagram. Improper installation of components during assembly will result in failure to power on and abnormal projection.

Function Card Installation: Insert function cards following the direction and position shown in the card insertion diagram. Improper insertion will cause card recognition failure and function errors.

Battery Instructions

1. Use a qualified 5V-2A household charger that complies with safety standards to charge the device. Fast charging is not supported.
2. The red indicator light stays on during charging, and the green light turns off when the battery is fully charged.
3. If the device will not be used for a long time, charge it at least once every three months to avoid irreversible damage caused by excessive battery discharge.

Operation Instructions for Modes

The main menu includes four core functions:

Drawing Story Music Settings

★Drawing Mode

1. Insert the corresponding drawing card into the card slot, select the Drawing Icon to enter the mode.
2. Use the Next Step button to follow the projected step-by-step guides to finish drawing.
3. When no card is inserted, you can preview 200 built-in drawing materials directly.

★Story Mode

1. Select the Story icon on the main interface and press the Confirm button to enter the playback page.
2. Switch between different stories via the Previous/Next buttons.
3. Press the Confirm button to pause or resume playback at any time.

★Music Mode

1. Select the Music Icon on the main interface and press the Confirm button to enter the music player.
2. Switch between built-in tracks with the Previous/Next buttons.
3. Press the Confirm button to pause or resume music playback.

★System Settings Mode

1. Select the Settings Icon on the main interface and press the Confirm button to enter the settings page.
2. Use the Next Step button to switch setting options:
Language Settings: 14 languages are available for selection.
Auto Power-off: The device will automatically power off after 5/10/15 minutes of inactivity (only valid on the main interface and settings interface).
Factory Reset: Restore the device to factory default settings.
Version Info: View the current software version for after-sales troubleshooting.

APP Connection & User Guide

I. APP Download and Account Registration/Login

Scan the QR code to download the app

1. Scan the exclusive QR code of the device to download the DoodleBeam APP.
2. New Users: Open the APP and select Register. Follow the prompts to fill in the required information, complete email verification, tick the terms of service and privacy policy to complete registration.
3. Existing Users: Select Login and enter your account and password to access the APP homepage.

II. Bluetooth Device Connection

Device Bluetooth Indicator Light Flashes

APP Bluetooth Search

1. Turn on the projection drawing machine. When the device Bluetooth indicator flashes green 3 times continuously, it means the device has entered Bluetooth pairing mode.
2. Open Bluetooth on your phone, then search for and pair the device in the DoodleBeam APP.
3. After the device is successfully connected to the phone, the Bluetooth indicator light stays on for 1 second. You can then use the APP to control the device normally.

III. Introduction to Main APP Functions

★ Drawing Materials

Drawing Material Categories

Select to Start Drawing

The APP includes a large collection of drawing materials, including four categories: Animals, Plants, Vehicles, and Others. Select the desired material to sync it to the device and start projection drawing.

★ APP Settings

Users can customize the device volume, projector brightness, and projection duration via the APP. The APP also supports account and account information management, permission settings, and other operations.

★ Camera Function

Correct Photos As Line Art

Supports Photo Upload

1. Enter the APP camera screen. It supports four camera filter modes: Line Art, Sketch, retro, and nail-life. You can switch between them as needed.
2. After taking a photo, tap the capture button again to upload the image to the cloud. Wait for the APP to prompt "Photo Find the upload was successful, the operation is complete.

Technical Specifications

Product Name	DRAWING PROJECTOR
Product Model	T100
Projection Size	8 inches
Battery Specifications	3.7V, 4000mAh, 14.8Wh
Operating Voltage	3.7V ⎓ 2A
Charging Specifications	Type-C port, DC 5V/2A
Image Transmission Rate	30 fps
Operating Temperature	-10℃ to 55℃
Optimal Projection Distance	19 cm
Standard Charging Time	5 hours

Troubleshooting and Solutions

Fault 1: The device cannot be powered on.
Possible Causes: The device battery is depleted, or the optical engine component is loose/malfunctioning.
Solutions: Connect the power supply and charge the device before trying to power it on again. If the issue persists, reassemble according to the installation diagram, ensuring it is properly installed.

Fault 2: The device has a short operating time after being fully charged.
Possible Causes: Prolonged continuous use, or the device is being charged in an environment with poor heat dissipation, causing high temperatures.
Solutions: Charge the device fully for the standard 5-hour duration. Charge and use the device in a suitable environment of 10℃-35℃.

Fault 3: The indicator light does not turn on during charging.
Possible Causes: Poor contact with the data cable, or the power supply is not working properly.
Solutions: Unplug and reconnect the data cable, and make sure the port is firmly connected. Check whether the power adapter and socket are functioning normally.

Fault 4: The projected image is blurry.
Possible Causes: The optical engine lens is stained with dirt or fingerprints, or the projection focus has not been properly adjusted.
Solutions: Wipe the lens surface gently with a clean soft cloth. Rotate the lens focus wheel until the image becomes clear.

Fault 5: The device cannot recognize the card after insertion.
Possible Causes: The card is inserted in the wrong direction or position and is not properly aligned with the card slot.
Solutions: Refer to the card insertion diagram in the manual, adjust the direction of the card, and reinsert it properly into the card slot.

Fault 6: The device freezes or functions fail.
Solution: Press the reset button on the device body to restart the device and restore it to normal operation.

FCC Warning

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.