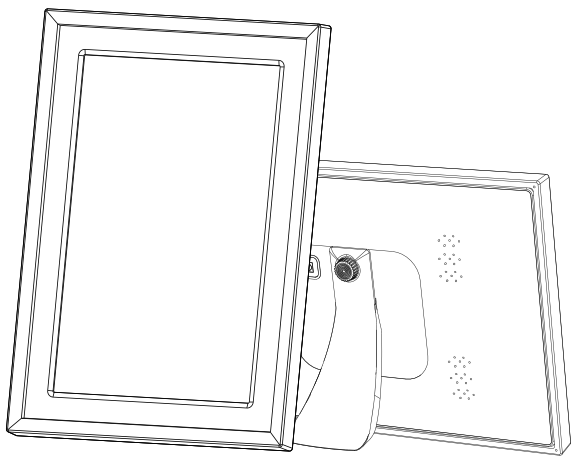


Lumallax

X10 3D Digital Photo Frame · AI Family Photo Frame



QMD-X10

Manufacturer: Shenzhen Shijing Technology Co., Ltd.

This manual is for reference only. The actual product shall prevail.
All rights of interpretation belong to Shenzhen Shijing Technology Co., Ltd.

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1 Product Introduction



The Lumallax X10 is a smart digital photo frame featuring a 10.1inch IPS glassesfree 3D touchscreen, 5point capacitive touch, dual stereo speakers, WiFi connectivity, and support for the Lumallax mobile app. Once family members and friends join the family space, they can remotely manage photos, Algenerated works, playlists, and frame settings. Clear 2D photos can also be transformed into Algenerated dynamic works, allowing family memories to be displayed as still images or looping short videos

Product Features

- **HighDefinition Display:** 10.1inch IPS screen with 800 x 1280 resolution and 300 cd/m² brightness for clear, detailed visuals.
- **Remote Sharing:** The owner can invite family members through the Lumallax app. Invited relatives and friends can upload works and manage playlists in the same family space without using the same local network as the frame.
- **Touch Controls:** 5point capacitive touch. Tap the playback screen to view progress or change the display orientation. Press and hold for about 1.5 seconds to open local settings.
- **AI Dynamic Works:** Convert existing 2D photos into looping short videos. The system automatically performs foreground detection, background composition, and model selection. Standard generation costs 100 credits per submission. Benefits and pricing are subject to the information displayed in the app.
- **Format Support:** JPG, JPEG, PNG, and WEBP images, plus mainstream video formats.
- **Smart Features:** Family sharing, playlists, background music, sleep scheduling, cloud synchronization, and switching between multiple rames

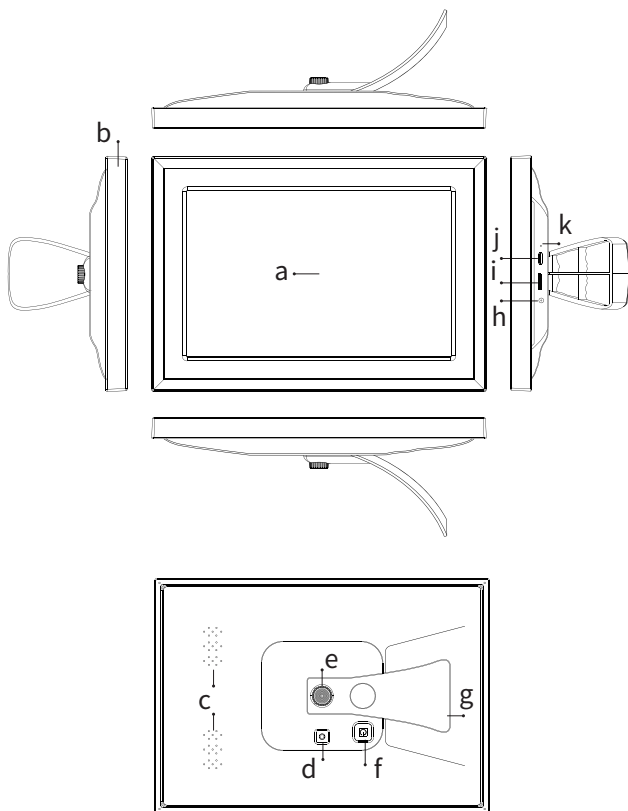
2 Packing List

Please check package contents upon opening. Contact your dealer promptly if any item is missing.

No.	Item	Quantity
1	Lumallax X10 3D Digital Photo Frame	1 Unit
2	DC Power Adapter	1 Piece
3	Photo Frame APP Quick Guide Card	1 Sheet
4	Product Manual	1 Copy
5	Stand + Screws	1 Set
6	Gift Box Packaging	1 Set

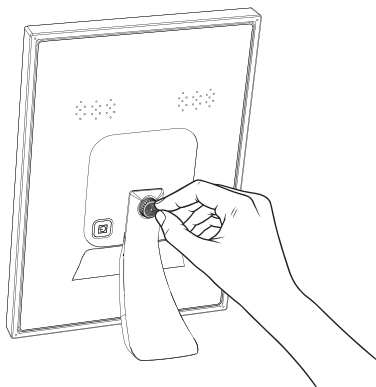
3 Product Appearance, Buttons & Interfaces

3.1 Component Layout



No.	Name	Description
a	10.1-inch Display	<i>Touchscreen for photo browsing and menu navigation</i>
b	Frame Body	<i>Optional finishes: Stripe Black, Stripe White, or White with Black Frame</i>
c	Speakers	<i>Two 8 Ω / 2 W speakers for video audio and system prompts</i>
d	Screw Hole	<i>Mounting point for the stand</i>
e	Screw	<i>Secures the stand</i>
f	Power Button	<i>Press and hold to power the frame on or off</i>
g	Stand	<i>Supports portrait or landscape placement</i>
h	DC Power Port	<i>DC 5 V / 2 A power input</i>
i	TF Card Slot	<i>MicroSD card slot for storage expansion (subject to software version)</i>
j	USB TypeC Port	<i>USB data transfer and power input (subject to software version)</i>
k	Reset Hole	<i>Use a pin to reset the device if it becomes unresponsive</i>

3.2 Stand Installation



1. Align the stand with the screw holes on the back of the frame.
2. Fasten the stand securely using the supplied screws.
3. Place the frame upright on a stable, flat surface.



Do not set the frame upright until the stand is securely fastened. An unsecured frame may tip over and cause damage or injury

4 FirstTime PowerOn & Quick Setup

4.1 Power Connection & Startup

1. Connect the supplied DC 5 V / 2 A adapter to the DC power port on the back of the frame. The frame powers on automatically when power is connected.
2. When the screen turns on, follow the onscreen instructions to complete initial setup.



Always use the supplied DC 5 V / 2 A adapter. An incompatible power supply may cause malfunction or hardware damage.

4.2 OnFrame Quick Setup

On first startup, complete the following steps as prompted:

1. Select Language: Choose the display language.
2. Connect to WiFi: Select a WiFi network with internet access.
3. Device Initialization: After the network connection is established, the frame automatically completes security registration. Do not power off the frame or disconnect it from the network during this process.

4. Display Binding QR Code: After initialization, a binding QR code appears for scanning with the mobile app.

The QR code remains valid until the frame is bound and becomes invalid immediately afterward. Set the frame name in the app during binding; no entry is required on the frame.

5 Lumallax App Download, Login & Binding (FiveStep Procedure)

The Lumallax mobile app is required to send photos, manage playlists, invite family members, and create AI dynamic works. Follow the steps below to sign in and bind your first photo frame.

5.1 Download the App

1. Scan the app download QR code printed on the packaging or provided through an official sales channel.
 2. On iOS, search for "Lumallax" in the Apple App Store.
 3. Overseas Android users can search for "Lumallax" on Google Play.
- For other distribution channels, refer to official release information.

Search for “Lumallax” app



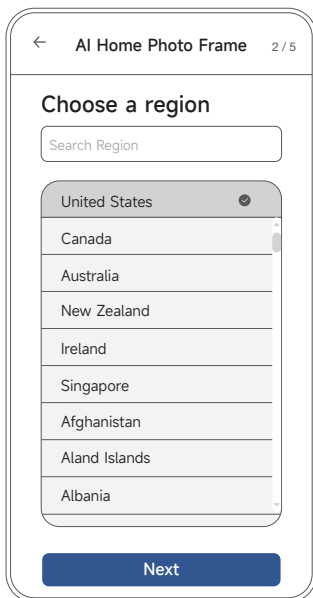
5.2 Step 1: Select Language

1. Open the "AI Home Photo Frame" app and select a language. Choose English to follow this manual.
2. Tap "Get Started".



5.3 Step 2: Select Country or Region

1. Select your country or service region from the list (for example, United States, United Kingdom, or Canada).
2. Use the search box to find a region quickly.
3. Tap "Next".



5.4 Step 3: Confirm Region & Agreements

1. Confirm the selected region (for example, United States).
2. Review the verification method and data region. Accounts, media, and AI tasks are processed in the overseas region.
3. Select "I have read and agree to the User Agreement, Privacy Policy and Regional Data Rules."
4. Tap "Agree and Continue".

AI Home Photo Frame 3 / 5

Region & Agreements

Confirm to use the overseas region

⊕

Region

United States

⊙

Verification Code Mode

Email Address and Email
Verification Code

⊙

Data Region

Accounts, media and AI tasks
will be stored and processed
in the overseas region.

✓

Region Isolation

After account creation, the service
region cannot be directly migrated.
If you need to modify it, please go
back and re-select the region.

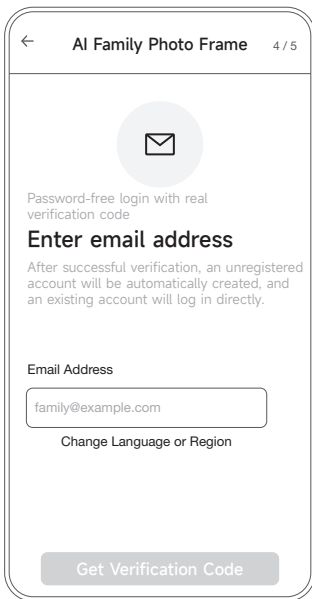
☒

I have read and agree to the User
Agreement, Privacy Policy and Regional
Data Rules.

Agree and Continue

5.5 Step 4: Email Verification Login

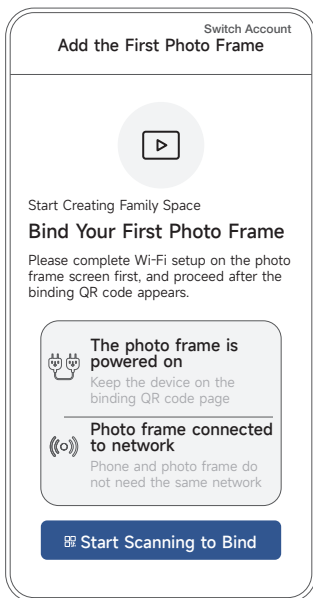
1. Enter your email address.
2. To change the language or region, tap the corresponding option.
3. Tap "Get Verification Code", then enter the code sent to your email address to sign in.



The image shows a mobile application interface for email verification login. At the top, there is a navigation bar with a back arrow, the title "AI Family Photo Frame", and a page indicator "4 / 5". Below the navigation bar is a large circular icon containing an envelope symbol. Underneath the icon, the text reads: "Password-free login with real verification code". The main heading is "Enter email address". Below this, a subtext explains: "After successful verification, an unregistered account will be automatically created, and an existing account will log in directly." There is a label "Email Address" above a text input field containing the placeholder text "family@example.com". Below the input field is a link that says "Change Language or Region". At the bottom of the screen is a large, rounded rectangular button labeled "Get Verification Code".

5.6 Step 5: Bind the First Photo Frame

1. Make sure the photo frame is powered on, connected to WiFi, and displaying the binding QR code.
2. Confirm that the frame is connected to the internet. Your phone does not need to use the same network.
3. Tap "Start Scanning to Bind" and scan the QR code displayed on the frame.
4. After binding, select "Switch Account" or "Start Creating Family Space".



6 Daily Use of APP & Photo Frame

The app manages works, playlists, family members, and AI generation tasks. The photo frame synchronizes and plays published content from the app.

6.1 App Overview & Frame Switching

- The Overview tab shows the content currently active on the selected frame. While a new playback configuration is synchronizing, the current content continues to play.
- The bottom navigation includes Overview, Works, Play, and Settings for task status, worklibrary and playlist management, and family settings.
- When multiple frames are bound, tap the frame name in the top bar to switch frames. Works, members, credits, and playback settings are managed separately for each frame.

6.2 Add Photo Works

11. Select the photos to upload.
2. Adjust the framing for portrait (5:8) or landscape (8:5) display.
3. Tap Submit. You may leave the page while validation and processing continue in the background.
4. Processed photos are added to the Works library. A work plays on the frame only after it has been added to a playlist and published

Note: The server stores original images at full resolution. Cropping records only normalized display coordinates and does not alter the original file. Work details and thumbnails in the app use these coordinates. Each family space supports up to 1,000 uploaded photos, with a maximum of 200 photos per batch.

6.3 Power Button Operation

Function	Description
Power Off	<i>Press and hold the power button, then select Power Off to shut down the frame.</i>
Reboot	<i>Press and hold the power button, then select Reboot to restart the frame.</i>
Standby Mode	<i>Press the power button briefly to turn off the screen. The frame remains online and can continue receiving remote content</i>



Do not disconnect the power while the frame is operating. Use the power button to shut down or restart the device.

6.4 Frame Playback & Local Controls

The frame automatically plays synchronized content published from the app. On the playback screen, you can view progress, change the display orientation, and press and hold to open local settings.

Function	Description
Official Playback Content	<i>After a published configuration has synchronized, images and videos play in playlist order</i>
Built-in Demo Content	<i>When no published content is available, the waiting page appears. Tap the screen to loop the builtin demo videos</i>
Playback Progress	<i>When a playlist contains multiple items, tap the screen to display the current item number</i>
Open Local Settings	<i>Press and hold the playback screen for about 1.5 seconds. Settings open after the progress indicator completes</i>
Adjust Display Orientation	<i>Tap the orientation button to switch between portrait and landscape, or select Auto, Portrait, or Landscape in Settings.</i>

6.5 Family Sharing

In Settings, the owner can create family invitations. Relatives and friends can join the family space by scanning an invitation QR code or entering invitation credentials after signing in to Lumallax. The owner can view or remove members and control whether members may use shared credits for content generation.

6.6 AI Dynamic Works (3D Box)

AI Dynamic Works convert clear 2D photos into looping short videos. Foreground detection, background selection, motion settings, and generation are completed in the Lumallax app.

6.6.1 Operation Steps

1. Open the target frame and select "Create Dynamic Work".
2. Select one main photo from the Works library. Optionally add up to two 2D reference photos for motion guidance.
3. Wait for automatic foreground detection. You may leave the page while processing continues. Resume the task from the task center on the Overview or Works page.
4. Select a serverprovided background. Choose a recommended motion or enter a custom motion prompt.
5. Review the available credits and generation cost, then submit the task. The server automatically selects the appropriate model; manual model selection is not available.
6. You may close the app or switch pages during generation. Task status, failurereasons, and the selected motion remain available in the task center.
7. After generation succeeds, the work is saved to the Works library.

Add it to a playlist and publish it. The dynamic work will play after synchronization.

6.6.2 Generation Configuration Details

Motion Settings: The server provides localized recommended motions based on the photo subject and marks a default option.

- **Recommended Motions:** Select one of the serverrecommended motions.

Changing the app language changes only the displayed text, not the generated result.

- **Custom Motion (Optional):** Describe the desired subject movement in natural language. A custom prompt takes priority over recommended motions.

Background Selection: Available backgrounds and names are updated through the app. The server marks a default option.

Model Selection: The server automatically selects a model based on the subject. Manual model selection is not supported.

Credits & Confirmation: Standard generation costs 100 credits per submission. Credits are reserved when the task is submitted and deducted only after successful generation. If the balance is insufficient, purchase additional credits. Pricing and payment methods are subject to the information shown in the app or app store.

Generation Tasks: Foreground analysis and video rendering run on the server in the background.

Tasks can be resumed from the task list after the app is restarted.

Publish & Play: A successful generation is saved only to the Works library. It does not automatically replace the content currently playing on the frame.

Background Library: The system background catalog is updated remotely. This manual does not provide a fixed number or list of backgrounds.

Background Replacement: Generating the dynamic work again with a new background consumes credits. Changing the background of a static photo is free.

6.6.3 Important Notes

- You may leave the generation page while the serverside task continues. Do not submit duplicate requests for the same content.
- Reserved credits are refunded according to system rules if generation fails, content moderation rejects the request, or a valid cancellation is made.
- For better foreground detection and generation quality, use photos with a clear main subject, minimal obstruction, and a simple background.
- AI-generated results may vary. Do not upload images or prompts that are unauthorized, illegal, or inappropriate.

7 Common Settings & Family Management

Frame settings can be changed remotely in the app or locally on the frame. To open local settings, press and hold the playback screen for approximately 1.5 seconds.

7.1 Frame Settings in the App

Setting Item	Description
Frame Name	<i>Rename the frame for easier identification when managing multiple frames.</i>
Screen Brightness	<i>Adjust the frame brightness remotely.</i>
Music Volume	<i>Adjust the backgroundmusic volume for the current frame's playlists.</i>
Display Orientation	<i>Select Auto, Portrait, or Landscape.</i>
Sleep Schedule	<i>Enable or disable the schedule, then set the start time,end time, and time zone.</i>
Sync & Diagnostics	<i>View target and active configuration versions, downloaded media count, and device online status.</i>
Network & Unbind	<i>Start network reconfiguration or securely unbind the frame. Only the owner can unbind.</i>

7.2 Local Settings on Photo Frame

Setting Item	Description
Brightness	<i>Preview and save the screen brightness.</i>
Music Volume	<i>Adjust the playlist backgroundmusic volume.</i>
Interface Language	<i>Change the frame interface language.</i>
Display Orientation	<i>Select Auto, Portrait, or Landscape.</i>
Auto Sleep	<i>Set the sleep start and end times.</i>
Device Time Zone	<i>Set the time zone used by the sleep schedule.</i>
Sync Now	<i>Check for and download the latest playback configuration.</i>
Reconfigure Network	<i>Open network setup to connect to a different WiFi network.</i>
Cache Management	<i>View local cache usage and clear downloaded content. Cloudstored works are not deleted.</i>

Hint: The sleep schedule turns off only the screen. The frame remains online and continues synchronizing.

7.3 Playback & Background Music

Setting Item	Description
Priority of Official Content	<i>After content published from the app has synchronized,it takes priority over builtin demo videos.</i>
Images & Videos	<i>Images cycle according to the playlist settings. Videos play as configured, including singlevideo looping.</i>
Background Music	<i>Choose system background music and adjust or mute the volume.</i>
Built-in Demo Videos	<i>When no published content is available, start demo playback manually.</i>

7.4 Network & Synchronization

Setting Item	Description
Network Status	<i>Shows the connected WiFi name and online/offline status.</i>
Sync Now	<i>Connects to the server to retrieve the latest playback content, settings, and notifications.</i>
Re-configure Network	<i>Opens the network setup wizard when changing the router or WiFi environment.</i>

7.5 Notifications, Cache & Device Information

Setting Item	Description
Device Notifications	<i>View system notifications sent by the server; tap to mark them as read.</i>
Sync Errors	<i>If a download or validation fails, the existing content continues playing and an error message is displayed.</i>
Clear Cache	<i>Delete locally cached media without removing works stored in the app or cloud.</i>
Device Info & Factory Reset	<i>View the model, serial number, firmware version, and sync status. Factory reset behavior depends on the current binding status.</i>

Works & Playlist Management

8.1 Works Library

Open the Works tab in the app to view regular photos, fixed photos, and AI dynamic works in the family space. Filter the list by All, Generating, Completed, or Failed.

When deleting multiple works, the app checks whether they are used by an active playlist or published configuration. Remove those references and republish before deleting the works.

Regular photo thumbnails are reduced resolution previews. The app displays the crop area using coordinates supplied by the server. Changing the crop does not change the original image file.

8.2 Playlist

1. Open the Play tab, create a playlist, and enter a name.
2. Select works and arrange the playback order.
3. Choose system background music, adjust the volume, or disable background music.
4. Publish the playlist. Wait for the frame to download and validate the content, then switch to the new configuration.

Deleting a playlist does not delete the works it contains.



"Published" means the server has accepted the request. Only an "Active" status in the app confirms that the frame has applied the new configuration.

8.3 Account & Frame Data Management

1. The owner can unbind the frame in the app's frame settings. After the online cleanup is complete, the frame displays a new binding QR code.
2. Before closing an account in a multimember family, ownership must be transferred.
3. After account deletion is requested, all sessions end immediately and a 7day recovery period begins. During this period, sign in with a verification code to cancel the deletion.
4. After the recovery period, userowned works and profile data are deleted or anonymized. Transaction and security logs required by law are retained.

9 Safety Precautions

Read and follow these safety instructions before using the product to prevent injury or damage.

9.1 Operating Environment

- Do not use or store the device in high temperature, high humidity, dusty, or strong magnetic field environments.
- Operating temperature: 0 °C to 40 °C; operating humidity: 10% to 90% RH.
- Keep the device away from heaters and other heat generating appliances.

9.2 Power Supply

- Always use the supplied DC 5 V / 2 A power adapter.
- Do not disassemble or modify the device or power adapter.

9.3 Water Resistance

This product is not water resistant. Keep it away from water, rain, and high humidity environments such as bathrooms.

Clean the surface only with a dry, soft cloth. Do not spray liquid directly onto the screen or frame

9.4 Placement

- Place the device on a stable, flat surface to prevent it from falling or tipping.
- Do not block the speaker grilles or ventilation openings.
- Children should use the product only under adult supervision to reduce the risk of injury from collisions or tipping

10 Product Technical Specifications

Item	Specification
Model	<i>X10</i>
Screen	<i>110.1inch IPS glassesfree 3D touchscreen; 800 x 1280 resolution; 5point capacitive touch; 300 cd/m² brightness</i>
Speakers	<i>Dual 8 Ω / 2 W speakers</i>
Network	<i>Dualband WiFi, 2.4 GHz / 5 GHz</i>
Storage	<i>Onboard storage; microSD (TF) expansion up to 32 GB(FAT32)</i>
Interfaces	<i>DC power port, USB TypeC port, TF card slot, reset hole</i>
Power Input	<i>DC 5 V / 2 A</i>
Operating Temperature	<i>0 °C to 40 °C</i>
Image Formats	<i>JPG, JPEG, PNG, WEBP</i>
Video Formats	<i>MP4 and other mainstream video formats</i>

11 FAQ & Troubleshooting

Q1: The photo frame does not power on

A: Confirm that the supplied 5 V / 2 A adapter is connected securely. Press and hold the power button for 8 seconds to force a restart. If necessary, use a pin to press the reset hole.

Q2: The app cannot scan the frame's binding QR code

A: Confirm that the frame is connected to WiFi and displaying the binding QR code, and that the account region matches the device region. A QR code becomes invalid after use. Unbind or factoryreset the frame to generate a new code. Restart the frame and app, then try again.

Q3: The frame does not play newly published content

A: In the app, compare the Target and Active configuration versions under Sync & Device Status. The frame continues playing the current content until the new configuration has been downloaded and validated. If downloads fail, correct the network problem and retry synchronization.

Q4: Updated cropping is not reflected in thumbnails or on the frame

A: Cropping changes only the display coordinates; it does not change the image file URL. Refresh the work list in the app to update thumbnails. The frame applies the new crop after a new playback configuration becomes Active.

If the problem persists, contact your dealer or the manufacturer's support team.

12 Warranty & AfterSales Service

1. This product includes a oneyear limited warranty for the complete unit, covering hardware defects not caused by the user.
2. Warranty coverage does not apply to damage caused by drops, water ingress, unauthorized disassembly or modification, or use of nonstandard power adapters.
3. Proof of purchase is required for warranty service. Do not disassemble the device; unauthorized disassembly voids the warranty.
4. For aftersales support, contact the dealer from whom the product was purchased.

Notice: Photos and personal data stored on the device belong to the user. Back up all data before service. The manufacturer is not responsible for data loss during repair.

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.

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.

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

Lumallax

The final interpretation right of the product belongs to
Shenzhen Shijing Technology Co., Ltd.

FCC Statement

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.

Warning: Changes or modifications to this unit 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 must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC RF Radiation Exposure Statement Caution:

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.