

## Cheerlux C50

# Cheerlux C50 Projector User Manual

Model: C50 | Brand: Cheerlux

## 1. INTRODUCTION

Welcome to the user manual for your new Cheerlux C50 Projector. This guide provides essential information on setting up, operating, maintaining, and troubleshooting your device. Please read this manual thoroughly before using the projector to ensure optimal performance and safety. Keep this manual for future reference.

## 2. SAFETY INSTRUCTIONS

To prevent fire, electric shock, or injury, please observe the following safety precautions:

- Do not block the ventilation openings. Ensure adequate space around the projector for proper airflow.
- Do not expose the projector to rain or moisture. Avoid placing objects filled with liquids, such as vases, on the projector.
- Do not open the projector casing. Refer all servicing to qualified service personnel.
- Use only the power adapter supplied with the projector.
- Avoid looking directly into the projector lens when the lamp is on, as the bright light can damage your eyes.
- Place the projector on a stable, level surface to prevent it from falling.
- Unplug the projector from the power outlet during lightning storms or when unused for long periods.

## 3. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Cheerlux C50 Projector
- Remote Control
- Power Cable
- HDMI Cable
- AV Cable
- User Manual

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your Cheerlux C50 Projector.



This image displays the Cheerlux C50 Projector from a front-top angle, highlighting its lens, focus ring, and control panel buttons on the top surface. The projector features a white and grey casing.



This image shows the rear and side of the Cheerlux C50 Projector, revealing various input/output ports such as HDMI, USB, and AV, along with ventilation grilles. A lens cap is visible next to the lens.

### 4.1. Front Panel

- **Projection Lens:** Emits the image.
- **Focus Ring:** Adjusts image sharpness.

## 4.2. Top Panel

- **Control Buttons:** Power, Menu, Source, Navigation (Up/Down/Left/Right), OK.

## 4.3. Rear Panel

- **Power Input:** Connects to the power cable.
- **HDMI Ports (x2):** Connect to HDMI-enabled devices (laptops, gaming consoles, Blu-ray players).
- **USB Ports (x2):** Connect USB drives for media playback.
- **AV Port:** Connect to older devices using an AV cable.
- **Audio Out (3.5mm):** Connect external speakers or headphones.
- **IR Receiver:** For remote control signals.

# 5. SETUP

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## 5.1. Power Connection

1. Connect the power cable to the projector's power input port.
2. Plug the other end of the power cable into a wall outlet.
3. The power indicator light on the projector will illuminate.

## 5.2. Placement

Position the projector on a stable, flat surface. The ideal projection distance for the Cheerlux C50 is between 1.5 to 6 meters, depending on the desired screen size. Ensure the projector is centered with your projection screen or wall.

## 5.3. Focus and Keystone Correction

1. **Focus Adjustment:** Turn the focus ring on the front of the projector until the projected image appears sharp and clear.
2. **Keystone Correction (4P):** If the projected image appears trapezoidal (wider at the top or bottom), use the 4P keystone correction function. This can typically be accessed via the projector's menu or dedicated buttons on the remote control. Adjust each of the four corners independently to achieve a perfectly rectangular image.

# 6. OPERATING

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## 6.1. Power On/Off

- **Power On:** Press the power button on the projector or the remote control. The projector will start up, and the lamp will illuminate.
- **Power Off:** Press the power button again. Confirm shutdown if prompted. Allow the projector to cool down before unplugging it.

## 6.2. Input Sources

Connect your desired device to the projector using the appropriate cable (HDMI, AV, USB). Then, press the 'Source' button on the projector or remote control to select the corresponding input source.

- **HDMI:** For high-definition video and audio from laptops, game consoles, etc.
- **USB:** For playing media files (photos, videos, music) directly from a USB flash drive.
- **AV:** For standard definition video and audio from older devices like DVD players.

### 6.3. Wireless Connectivity (WiFi & Bluetooth)

The Cheerlux C50 Projector features built-in WiFi and Bluetooth for enhanced connectivity.

- **WiFi Connection:** Navigate to the 'Settings' menu, select 'Network' or 'WiFi Settings'. Choose your desired WiFi network from the list and enter the password.
- **Bluetooth Connection:** In the 'Settings' menu, select 'Bluetooth'. Turn on Bluetooth and pair with your Bluetooth-enabled speakers or headphones.

### 6.4. Screen Mirroring

The projector supports wireless screen mirroring from compatible smartphones and tablets.



This image illustrates the Cheerlux C50 Projector wirelessly connected to a smartphone. The phone's screen, displaying a movie scene, is being mirrored to the projector, indicated by a Wi-Fi signal icon between the devices.

1. Ensure both your projector and mobile device are connected to the same WiFi network.
2. On the projector, select the 'Screen Mirroring' or 'Wireless Display' option from the main menu.
3. On your mobile device, activate its screen mirroring feature (e.g., 'Smart View' for Samsung, 'Screen

Mirroring' for Android, 'AirPlay' for iOS).

4. Select the projector's name from the list of available devices on your phone.
5. The mobile device's screen content will now be projected.

### 6.5. Menu Navigation

Use the navigation buttons (Up, Down, Left, Right) and 'OK' button on the projector or remote control to browse through the on-screen menu. The 'Menu' button typically opens the main settings, and the 'Return' or 'Exit' button closes menus.

## 7. MAINTENANCE

### 7.1. Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners.
- **Casing:** Wipe the projector's exterior with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water.
- **Ventilation Vents:** Periodically clean the vents with a soft brush or compressed air to prevent dust buildup, which can affect cooling.

### 7.2. Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. Cover the lens with its cap to protect it from dust and scratches.

## 8. TROUBLESHOOTING

If you encounter issues with your projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image projected	Power cable loose, incorrect input source, device not connected.	Check power connection, select correct input source, ensure source device is on and connected.
Image is blurry	Focus not adjusted, projector too close/far.	Adjust the focus ring. Reposition the projector within the recommended distance.
Image is trapezoidal	Projector not perpendicular to screen.	Use the 4P keystone correction function in the menu.
No sound	Volume too low, external speakers not connected, source device muted.	Increase projector volume, check external speaker connection, unmute source device.
Remote control not working	Batteries dead, obstruction, not pointing at IR receiver.	Replace batteries, remove obstructions, point remote directly at the projector's IR receiver.

## 9. SPECIFICATIONS

Technical specifications for the Cheerlux C50 Projector:



Feature	Specification
Brand Name	Generic (Cheerlux C50)
Connectivity Technology	Wi-Fi, Bluetooth
Native Resolution	1920 x 1080
Brightness	4000 Lumen
Form Factor	Portable
Mounting Type	Tabletop Mount
Controller Type	Remote Control
Maximum Throw Distance	6 Meters
Wattage	3 watts
Special Features	Built In Wi Fi, Portable, Wireless, 4P Keystone Correction



## 10. WARRANTY AND SUPPORT

The Cheerlux C50 Projector comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty period and coverage details. For technical support, service, or further inquiries, please contact your retailer or the manufacturer's customer service department.

Keep your purchase receipt as proof of purchase for warranty claims.

### Related Documents

	<p><a href="#">Cheerlux E1 Projector User Manual: Setup, Features, and Specifications</a></p> <p>Comprehensive guide for the Cheerlux E1 projector, covering Wi-Fi connection, auto focus, keystone correction, Bluetooth, screen mirroring for iOS and Android, source selection, multimedia format support, and FCC compliance.</p>
	<p><a href="#">Cheerlux Projector Android Version Instruction Manual</a></p> <p>A comprehensive guide to using the Cheerlux projector with its Android version, covering UI introduction, language settings, Bluetooth connectivity, network setup, app installation and uninstallation, and app management.</p>

	<a href="#">Cheerlux C9 Projector Screen Mirroring Operation Manual</a> Comprehensive guide on how to use the screen mirroring function of the Cheerlux C9 projector, covering wireless and wired connections for iOS and Android devices, system requirements, and FCC compliance information.
	<a href="#">Cheerlux C12 1080P LED Projector User Manual</a> Comprehensive user manual for the Cheerlux C12 1080P LED Projector, detailing setup, operation, media playback, troubleshooting, and warranty information.



Documents - Cheerlux – C50

Cheerlux (Shenzhen) Electronic Technology Co., Ltd.  
**Agent Authorization**

Company: Cheerlux (Shenzhen) Electronic Technology Co., Ltd.  
Address: 3th Floor Building B HONGYI Industrial Area Bantian, Longgang District, Shenzhen, China.  
Product Name: Projector  
Model Number(s): C50, C11, C55, C56, ONO1, T01, T02, T03, E30, V81  
Product Description: Projector  
FCC ID: 2AYQQ-C50

We authorize MCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA, to act on our behalf on all matters concerning the certification of above named equipment.

We declare that MCOM Labs Inc. is allowed to forward all information related to the approval and certification of equipment to the regulatory agencies as required and to discuss any issues concerning the approval application. Any and all acts carried out by MCOM Labs on our behalf shall have the same effect as acts of our own.

Signature:  Date: Feb. 28, 2022  
Name:   
Title: Manager  
Company: Cheerlux (Shenzhen) Electronic Technology Co., Ltd.

[pdf] Agent Authorization

Microsoft Word Agent Authorization Rev 1 0 Administrator Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50

Cheerlux Shenzhen Electronic Technology Co., Ltd. Agent Authorization Company: Cheerlux Shenzhen Electronic Technology Co., Ltd. Address: 3th Floor Building B HONGYI Industrial Area Bantian, Longgang District. Shenzhen, China. Product Name: Projector Model Number s : **C50**, C11, C55, C56, ONO1, ...  
lang:en score:30 filesize: 13.1 K page\_count: 1 document date: 2022-03-01

Cheerlux (Shenzhen) Electronic Technology Co., Ltd.  
Date: Feb. 28, 2022  
Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046  
USA

Subject: Request for 2.933 Change in identification of equipment  
Reference: FCC ID: 2AYQQ-C50

Dear Sir/Madam,

Cheerlux (Shenzhen) Electronic Technology Co., Ltd. requests a Change in Identification for a currently approved device. This application will establish a new FCC ID for purpose of marketing.




The original Grant for 2AYQQ under FCC ID: (Original ID: 2AYQQ-C50) with a Grant Date of 07/09/2021 shall remain in effect. An authorization letter from the original Grantee is attached.

We attest that the equipment is electrically identical. Only the product model and FCC ID are different. All other details, the original test results are applicable and continue to be representative of this device.

The following items are provided as attachments:

- Cover letter giving permission from original Applicant for Change in ID
- External photos showing no physical changes to this device
- New FCC identification label and its location.

Thanks and Best Regards,

Name:   
Grantee Signature:   
Title: Manager  
Applicant Company: Cheerlux (Shenzhen) Electronic Technology Co., Ltd.  
Applicant Address: 3th Floor Building B HONGYI Industrial Area Bantian, Longgang District, Shenzhen, China.  
Applicant phone: 8772 2277 0001  
Applicant Email: 

[pdf] Product Photos Label Agent Authorization

Microsoft Word FCC Request for change in ID Rev 2 1 Administrator Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50

Cheerlux Shenzhen Electronic Technology Co., Ltd. Date: Feb. 28, 2022 Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046 USA  
Subject: Request for 2.933 Change in identification of equipment Reference: FCC ID: 2AYQQ-**C50** Dear Sir/Madam, Cheerlux Shenzhen Elect...  
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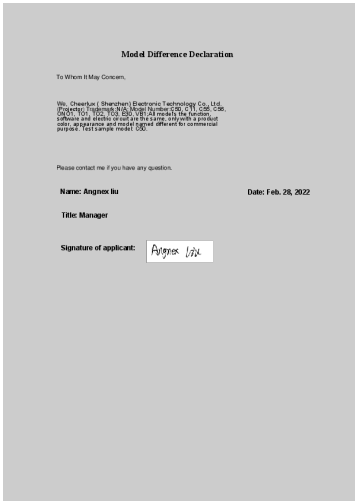


[\[pdf\]](#) User Manual Instructions

Administrator C50 USERS MANUAL About Projectors Cheerlux Projector Manufacture  
20221109014046411 cheerlux uploadfile 2022 1109 |||

**C50 SERIES SAFETY PRECAUTIONS** Read these safety instructions before using your device and store them for possible future reference. If the cord is damaged, have it repaired by the manufacturer, its service or a similarly qualified person in order to avoid any hazard. The cord should always be ...

lang:en score:28 filesize: 11.38 M page\_count: 24 document date: 2021-01-20



[\[pdf\]](#) Decleration of Conformity

Microsoft Word Product Declaration Administrator Model difference Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50

Model Difference Declaration To Whom It May Concern, We, Cheerlux Shenzhen Electronic Technology Co., Ltd. Projector Trademark:N/A; Model Number:**C50**, C11, C55, C56, ONO1, TO1, TO2, TO3, E30, VB1;All model s the function, software and electric circuit are the same, only with a product color, app...

lang:en score:28 filesize: 3.75 M page\_count: 1 document date: 2022-03-01



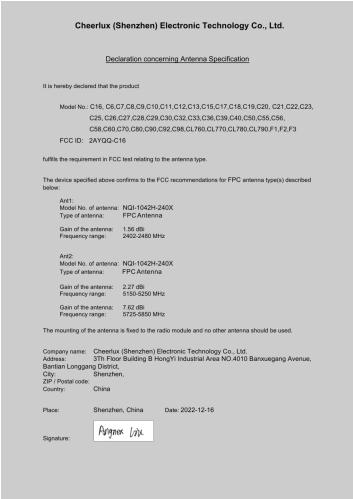
[\[pdf\]](#) Confidentiality Request Letter

Microsoft Word FCC Short Long Term Confidentiality Request Rev4 1 Administrator Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50

Cheerlux Shenzhen Electronic Technology Co., Ltd. Office of Engineering Technology Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046 USA Subject; Request for Confidentiality FCC ID: 2AYQQ-**C50** Date: Feb. 28, 2022 To Whom It May Concern, Pursuant to the provisions of t...

lang:en score:27 filesize: 13.35 K page\_count: 1 document date: 2022-03-01



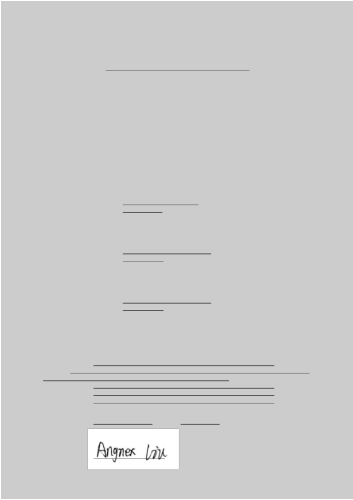


[pdf] Specifications Declaration of Conformity

JessicaMei 17 C16 AntSpec p1 r2 Cheerlux Shenzhen Electronic Technology Co Ltd Projector 2AYQQ 2AYQQC16 c16

Cheerlux Shenzhen Electronic Technology Co., Ltd. Declaration concerning Antenna Specification It is hereby declared that the product Model No.: C16, C6,C7,C8,C9,C10,C11,C12,C13,C15,C17,C18,C19,C20, C21,C22,C23, C25, C26,C27,C28,C29,C30,C32,C33,C36,C39,C40,**C50**,C55,C56, C58,C60,C70,C80,C90,C92,C...

lang:en score:23 filesize: 25.43 K page\_count: 1 document date: 2023-01-10



[pdf] Specifications Declaration of Conformity

Antenna Specification Daniela Eckert 17 C12 AntSpec p1 r1 Cheerlux Shenzhen Electronic Technology Co Ltd Projector 2AYQQ 2AYQQC12 c12

Cheerlux Shenzhen Electronic Technology Co., Ltd. Declaration concerning Antenna Specification It is hereby declared that the product Model No.: C12, C6, C7, C8, C9, C10, C11, C12H, C13, C15, C17, C18, C19, C20, C21, C22, C23, C25, C26, C27, C28, C29, C30, C32, C33, C36, C39, C40, **C50**, C55, C5...

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[pdf] Label

Microsoft Word Label and location Administrator Location Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50

FCC ID LABEL: FCC ID: 2AYQQ-**C50** Ca. 5mm x 10mm ...

lang:en score:17 filesize: 222.89 K page\_count: 1 document date: 2022-03-01



[pdf] Product Photos

External Photo Cheerlux Shenzhen Electronic Technology Co Ltd C50 2AYQQ 2AYQQC50 c50  
Report No.: HK2012314060-E Annex A External Photos Page 1 of 4 Report No.:  
HK2012314060-E Page 2 of 4 Report No.: HK2012314060-E Page 3 of 4 Report No.:  
HK2012314060-E Page 4 of 4 ...  
lang:en score:13 filesize: 1.97 M page\_count: 4 document date: 2022-03-04

FCC ID: 2AYQQ-C16				
RF EXPOSURE EVALUATION				
EUT	EUT Specification			
Model Name	C16, C17, C18, C19, C20, C21, C22, C23, C25, C26, C27, C28, C29, C30, C32, C33, C36, C39, C40, C50, C55, C56, C58, C60, C70, C80, C90, C92, C98, CL760, CL770, CL780, CL790, F1, F2, F3			
Frequency band (Operating)	<input checked="" type="checkbox"/> BLE: 2402 - 2480 MHz <input checked="" type="checkbox"/> Wi-Fi 2.4G: 2412 - 2462 MHz <input checked="" type="checkbox"/> Wi-Fi 5.2G: 5180 - 5240 MHz <input checked="" type="checkbox"/> Wi-Fi 5.8G: 5740 - 5850 MHz <input type="checkbox"/> Others			
Device category	<input type="checkbox"/> Portable (>20cm separation) <input checked="" type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others			
Antenna diversity	<input type="checkbox"/> Single antenna <input checked="" type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity			
Max. output power	BLE: 1.31dBm Wi-Fi 5.2G: 14.31dBm BLE: 1.58 dBm Wi-Fi 5.2G: 2.27 dBm Wi-Fi 5.8G: 7.62 dBm			
Antenna gain	BLE: 1.58 dBm Wi-Fi 5.2G: 2.27 dBm Wi-Fi 5.8G: 7.62 dBm			
Evaluation applied	<input checked="" type="checkbox"/> SAR Evaluation <input type="checkbox"/> SAR Evaluation			
<b>Standard Requirement</b>				
According to FCC 1.1310, The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b).				
Limits for Maximum Permissible Exposure(MPE)				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-100000	--	--	5	6
(B) Limits for General Population/Uncontrolled Exposures				
300-1500	--	--	F/1500	6
1500-100000	--	--	1	30

[pdf] Specifications SAR Rating

JessicaMei 18 C16 RFExp r1 Cheerlux Shenzhen Electronic Technology Co Ltd Projector 2AYQQ 2AYQQC16 c16  
FCC ID: 2AYQQ-C16 EUT Model Name Frequency band Operating Device category  
Antenna diversity Max. ... C8,C9,C10,C11,C12,C13,C15,C17,C18,C19,  
C20,C21,C22,C23,C25,C26,C27,C28,C29,C30,C32,C33,  
C36,C39,C40,C50,C55,C56,C58,C60,C70,C80,C90,C92,  
C98,CL760,CL770,CL780,CL790,F1,F2,F3 BLE: 2402 - 2480 MHz WiFi ...  
lang:en score:11 filesize: 41.12 K page\_count: 2 document date: 2023-01-10



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RKcast CBFB62 5G Office7 2aGHz joy PIN 192 168 0 115 DE5422 1 210H2154605C7 jp soft 20210722  
Jul 22 2021 · |||  
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wireless speaker - 1.Bluetoothx--t--X A6s; c,MYiib i Ji Z-- F c ioTL 6LX -F 2 X DI  
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