

wisecoco R078F01

wisecoco 7.8 inch Flexible AMOLED Display (Model R078F01) Instruction Manual

Model: R078F01 | Brand: wisecoco

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your wisecoco 7.8 inch Flexible AMOLED Display. Please read these instructions carefully before use to ensure optimal performance and longevity of the product. This display is designed for DIY prototype and demo applications, offering a unique bendable screen experience.

2. PRODUCT FEATURES

- **Super Specs:** Type: 7.8" AMOLED, Resolution: 1440x1920, PPI: 308, Aspect Ratio: 4:3, Brightness: 300cd/m², Contrast Ratio: 100,000:1, NTSC: 100%, Colors: 16.7M, Response Time: ≤2ms, Full viewing angle, Portrait by default, Interface: MIPI, Bend Angle: 180° (Avoid improper bending!).
- **Flexible Display Technology:** This technology offers bendability and adaptability, enabling novel device types.
- **OLED Innovation:** OLED's self-emissive nature ensures energy efficiency. No backlight, ultra-light 5g, 1mm thin. Enables curved, rollable designs.
- **Enhanced Visuals:** OLED provides true blacks, 100% NTSC, 100,000:1 contrast, full view angles, IPS, FHD resolution, vivid and lifelike images. Swift OLED pixel switching suits videos and games.
- **Pre-Purchase Information:** Handle with care due to fragile display. Follow user manual. Kit lacks housing/enclosure, touch, and speakers. Portrait Display Mode By Default. Requires HDMI-connected device for image and video display.

3. PACKAGE CONTENTS

The standard kit includes the following components:

- 7.8 inch Flexible AMOLED Display
- HDMI Driver Board
- FPC Connector Cable

- 1x Mini HD to HD-MI Cable
- 1x USB to Type-C Cable

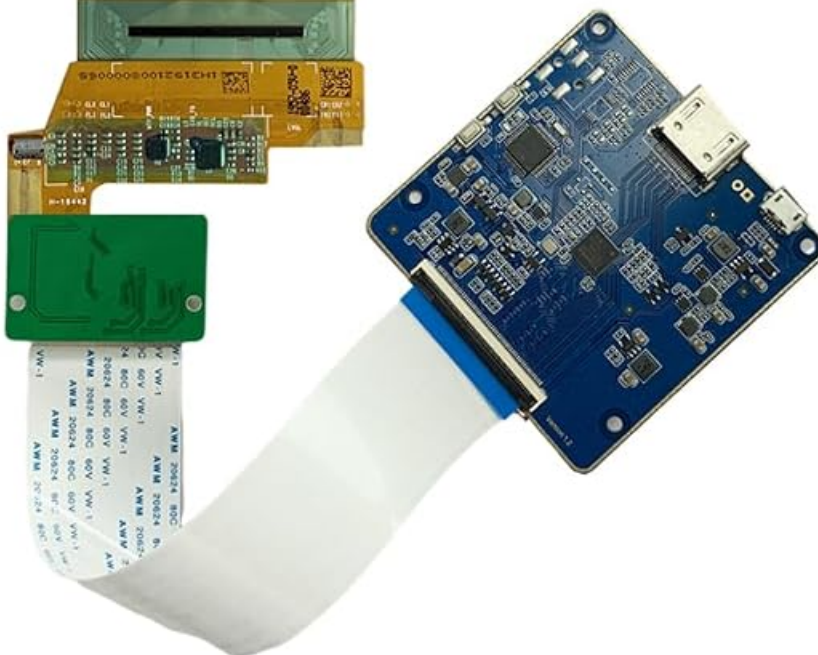
Package List



No Speaker



No Touch





1*Mini HD



1*Mircro USB

Image: Components included in the standard kit, showing the flexible display, driver board, and connecting cables.

4. PRODUCT DIMENSIONS

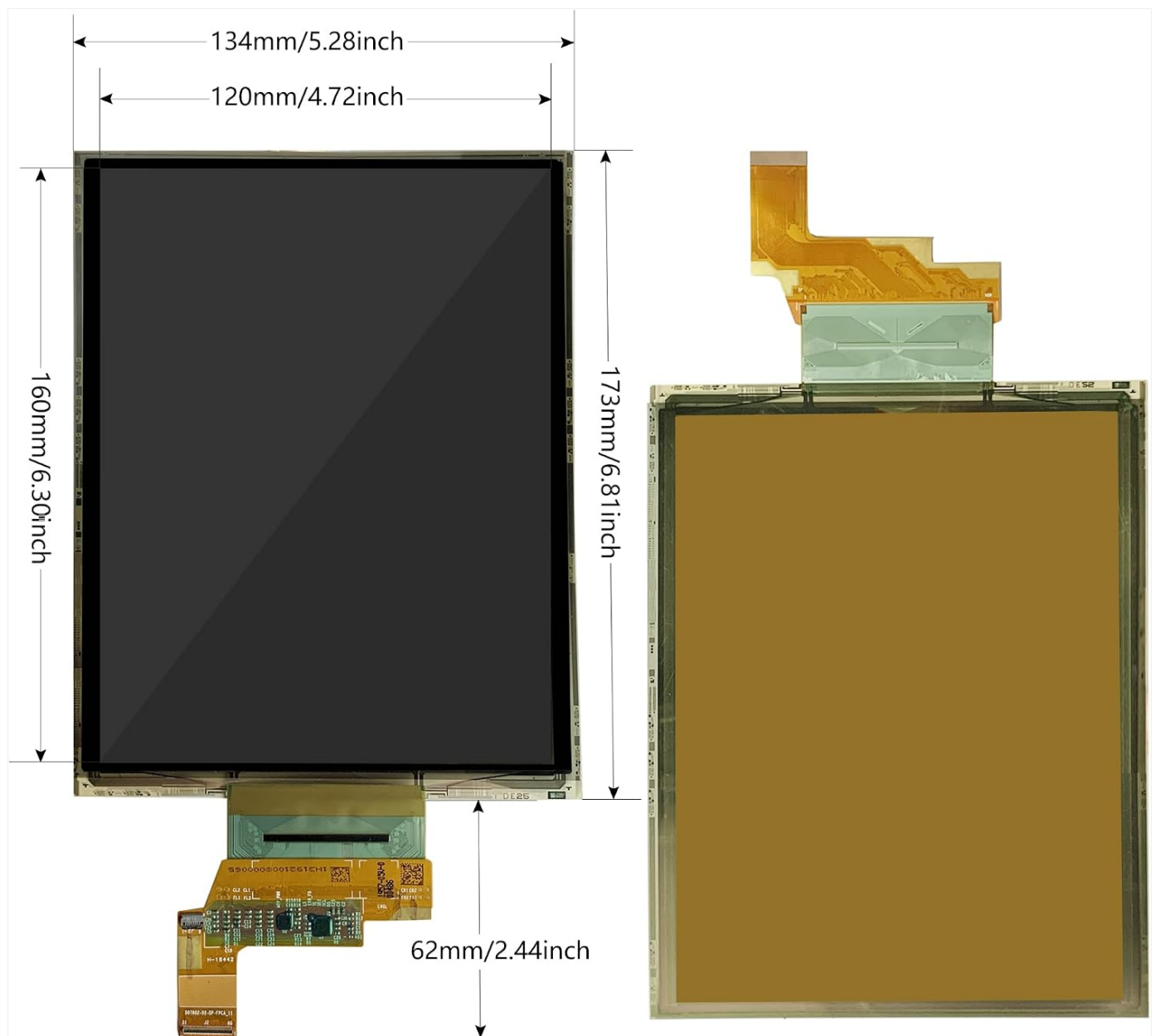


Image: Detailed measurements of the 7.8 inch flexible display, showing its length, width, and connector dimensions.

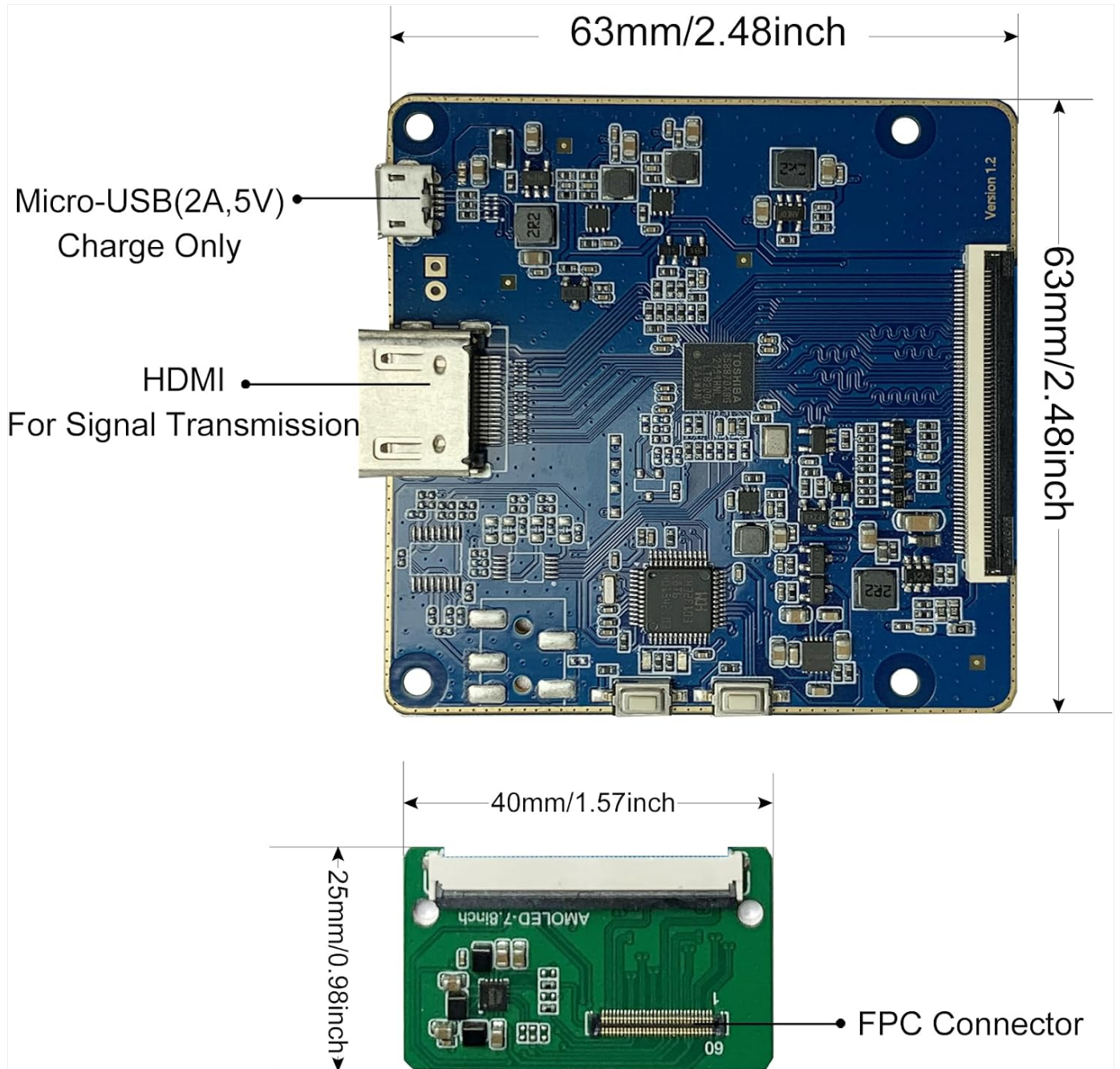


Image: Detailed measurements of the HDMI driver board, indicating Micro-USB (2A, 5V) for charge only, HDMI for signal transmission, and FPC connector.

The display measures approximately 5.28 inches (134mm) in width and 6.30 inches (160mm) in height. The driver board has dimensions of 2.48 inches (63mm) by 2.48 inches (63mm).

5. SETUP INSTRUCTIONS

Follow these steps to correctly connect your flexible display:

1. Connect the FPC cable to the small adapter board, ensuring proper orientation.
2. Connect the other end of the FPC cable from the adapter board to the HDMI driver board.
3. Connect the flexible display's ribbon cable to the small adapter board.
4. Connect the Mini HD to HD-MI cable from your source device (e.g., laptop) to the HDMI driver board.
5. Connect the USB to Type-C cable to the Micro-USB port on the driver board for power (2A, 5V).

Your browser does not support the video tag.

Video: This video demonstrates the step-by-step process of connecting the flexible display to the HDMI driver board and then to a source

device, including power and signal cables.

Must connect with a HDMI signal source to display images and play videos !



Image: Illustration showing the flexible display connected via the driver board to a laptop, emphasizing the requirement for an HDMI signal source.

6. OPERATING INSTRUCTIONS

Once connected, the display will power on. The display operates in portrait mode by default.

6.1 Adjusting Display Orientation and Brightness

The control board features buttons to adjust the display orientation and brightness. Refer to the setup video for a demonstration:

- Press the designated button on the control board to rotate the display orientation (e.g., 90°, 180°).
- Use the brightness control buttons to increase or decrease the display brightness.

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Video: This video demonstrates the flexible nature of the screen and how to adjust display orientation and brightness using the control board buttons.

6.2 Handling the Flexible Display

The OLED flexible screen is designed to bend, but it requires careful handling:

- Hold the left and right sides of the screen carefully.
- Bend the screen slowly and gently, starting from a small angle and gradually increasing it.
- Avoid improper bending, sharp creases, or excessive force, as this can damage the display.

Application



Image: Visual guide illustrating the correct method for bending the flexible screen and examples of prohibited handling that could cause damage.

7. IMPORTANT USAGE NOTES

- This kit does **not** include a housing or enclosure. The display and driver board are exposed and should be handled with care.
- The display does **not** feature touch functionality.
- The display does **not** have built-in speakers. Audio must be managed through your source device.
- The display operates in portrait mode by default. Adjustments to orientation can be made via the control board buttons.
- An HDMI-connected device is required for image and video display.

8. SPECIFICATIONS

Feature	Specification
Screen Size	7.8 Inches
Resolution	1440 x 1920 Pixels
Aspect Ratio	4:3
Image Brightness	300 cd/m²
Contrast Ratio	100,000:1
NTSC Color Gamut	100%
Response Time	≤2ms (Ton+Toff)
Display Type	AMOLED
Viewing Angle	Full viewing angle (IPS)
Interface	MIPI (internal), HDMI (external driver board)
Bend Angle	Up to 180°
Item Weight	10.5 ounces
Product Dimensions	0.01 x 5.2 x 6.6 inches (display only)
Model Number	R078F01

9. TROUBLESHOOTING

- **No Display:** Ensure all cables (FPC, HDMI, USB power) are securely connected. Verify the source device is outputting a signal. Check power supply to the driver board.
- **Incorrect Orientation:** Use the control board buttons to cycle through display orientations until the desired view is achieved.
- **Dim Display:** Use the brightness control buttons on the driver board to increase brightness. Ensure the power supply is sufficient (2A, 5V).
- **Image Distortion:** Check the resolution settings on your source device to ensure it matches the display's native resolution (1440x1920).
- **Physical Damage:** If the screen shows physical damage (cracks, lines, dead pixels) after improper handling, it may be permanently damaged. Handle with extreme care.

10. WARRANTY AND SUPPORT

Your wisecoco Flexible AMOLED Display comes with the following:

- **12-Month Warranty:** Covers manufacturing defects.
- **24-Hour Support:** Technical assistance available.
- **30-Day Money Back Guarantee:** For returns within 30 days of purchase.

For further assistance or warranty claims, please contact wisecoco customer support.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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