

Minifire MFG24C1L

Minifire Curved Gaming Monitor MFG24C1L User Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Minifire Curved Gaming Monitor, model MFG24C1L. Please read this manual thoroughly before using the product and retain it for future reference.

The Minifire MFG24C1L is a 24-inch Full HD (1920x1080) curved gaming monitor featuring a 160Hz refresh rate, 1ms MPRT response time, and a 1500R curvature for an immersive viewing experience. It includes Adaptive Sync technology, 110% sRGB color gamut, HDR support, and eye care features to enhance your gaming and viewing comfort.

2. SAFETY INFORMATION

Observe the following safety precautions to ensure safe operation and prolong the life of your monitor:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Ensure proper ventilation around the monitor. Do not block ventilation openings.
- Use only the power adapter supplied with the monitor.
- Avoid placing heavy objects on the power cord.
- Disconnect the power plug from the outlet if the monitor will not be used for an extended period.
- Do not attempt to service the monitor yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Minifire Curved Gaming Monitor MFG24C1L
- Monitor Stand (Base and Neck)
- Power Adapter

- HDMI Cable
- User Manual (this document)
- Screws for stand assembly

4. MONITOR OVERVIEW

4.1. Front and Rear View

The image below illustrates the general appearance of the Minifire MFG24C1L monitor, highlighting its curved display and sleek design.



Figure 4.1: Front view of the Minifire MFG24C1L Curved Gaming Monitor.

The monitor features a 1500R curvature, which provides a more immersive viewing experience by matching the natural curve of the human eye. This design helps reduce eye strain during extended use.



Figure 4.2: Illustration of the 1500R curvature, indicating a tighter curve for enhanced immersion.

4.2. Ports and Controls

The rear of the monitor houses various input/output ports and control buttons. Refer to the diagram below for their locations and functions.

Multi-port & controllo per pulsanti



Figure 4.3: Rear view showing multi-port connections and control joystick/buttons.

- **DC Input:** Connects to the power adapter.
- **HDMI 2.1 Port:** Connects to devices via HDMI cable (supports up to 160Hz).
- **DisplayPort 1.4:** Connects to devices via DisplayPort cable (supports up to 160Hz).
- **3.5mm Audio Output:** Connects to external speakers or headphones.
- **Control Joystick/Buttons:** Used to navigate the On-Screen Display (OSD) menu.
 - **Up/Brightness:** Move up in menu or adjust brightness.
 - **Menu/Confirm:** Enter OSD menu or confirm selection.
 - **Decrease/Return/Exit/Input Source:** Move down/left in menu, return to previous menu, exit OSD, or select input source.
 - **Down/Volume:** Move down in menu or adjust volume (if applicable).
 - **Standby/Power On/Off:** Press to turn the monitor on/off or put it into standby.

5. SETUP

5.1. Stand Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel. Ensure it clicks securely into place or is fastened with screws as indicated in the quick start guide.
3. Attach the stand base to the stand neck, securing it with the provided screw.
4. Place the assembled monitor on a stable, flat surface.

5.2. VESA Mounting (Optional)

The monitor supports VESA 75x75mm mounting for wall mounts or monitor arms (not included). To use a VESA mount:

1. Remove the stand from the monitor if it is already attached.
2. Attach your VESA-compatible mount to the four screw holes on the back of the monitor.
3. Ensure the mount is securely fastened according to the mount manufacturer's instructions.



Figure 5.1: Monitor shown with VESA mounting capability.

5.3. Connecting to a Computer or Console

1. Connect one end of the HDMI or DisplayPort cable to the corresponding port on your computer's graphics card or gaming console.
2. Connect the other end of the cable to the HDMI or DisplayPort input on the monitor.
3. If using external speakers or headphones, connect them to the 3.5mm Audio Output port on the monitor.

5.4. Power Connection

1. Connect the power adapter cable to the DC Input port on the monitor.
2. Plug the power adapter into a power outlet.

6. OPERATING THE MONITOR

6.1. Power On/Off

Press the Power button (typically integrated into the joystick control) to turn the monitor on or off. A short press usually puts the monitor into standby mode.

6.2. OSD Menu Navigation

The On-Screen Display (OSD) menu allows you to adjust various monitor settings. Use the control

joystick/buttons on the rear of the monitor to navigate:

- Press the joystick inwards to open the OSD menu.
- Move the joystick Up/Down/Left/Right to navigate through menu options.
- Press the joystick inwards again to confirm a selection.
- Move the joystick Left (or use a dedicated 'Return' function) to go back to the previous menu or exit the OSD.

6.3. Picture Settings

Adjust visual parameters for optimal display quality:

- **Brightness:** Adjusts the overall luminance of the screen.
- **Contrast:** Adjusts the difference between the brightest and darkest areas of the image.
- **Color Temperature:** Selects predefined color temperature settings (e.g., Warm, Cool, User).
- **Color Gamut:** The monitor supports 110% sRGB, providing vibrant and accurate colors.
- **HDR (High Dynamic Range):** Enable or disable HDR for enhanced contrast and color depth.



Figure 6.1: Display features including 110% sRGB, HDR, 300 Nits brightness, and 3000:1 contrast ratio.

6.4. Gaming Features

The monitor includes features designed to enhance your gaming experience:

- **Refresh Rate (160Hz):** Provides smoother motion and reduced input lag.
- **Response Time (1ms MPRT):** Minimizes motion blur and ghosting for fast-paced games.
- **Adaptive Sync (FreeSync):** Synchronizes the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering.

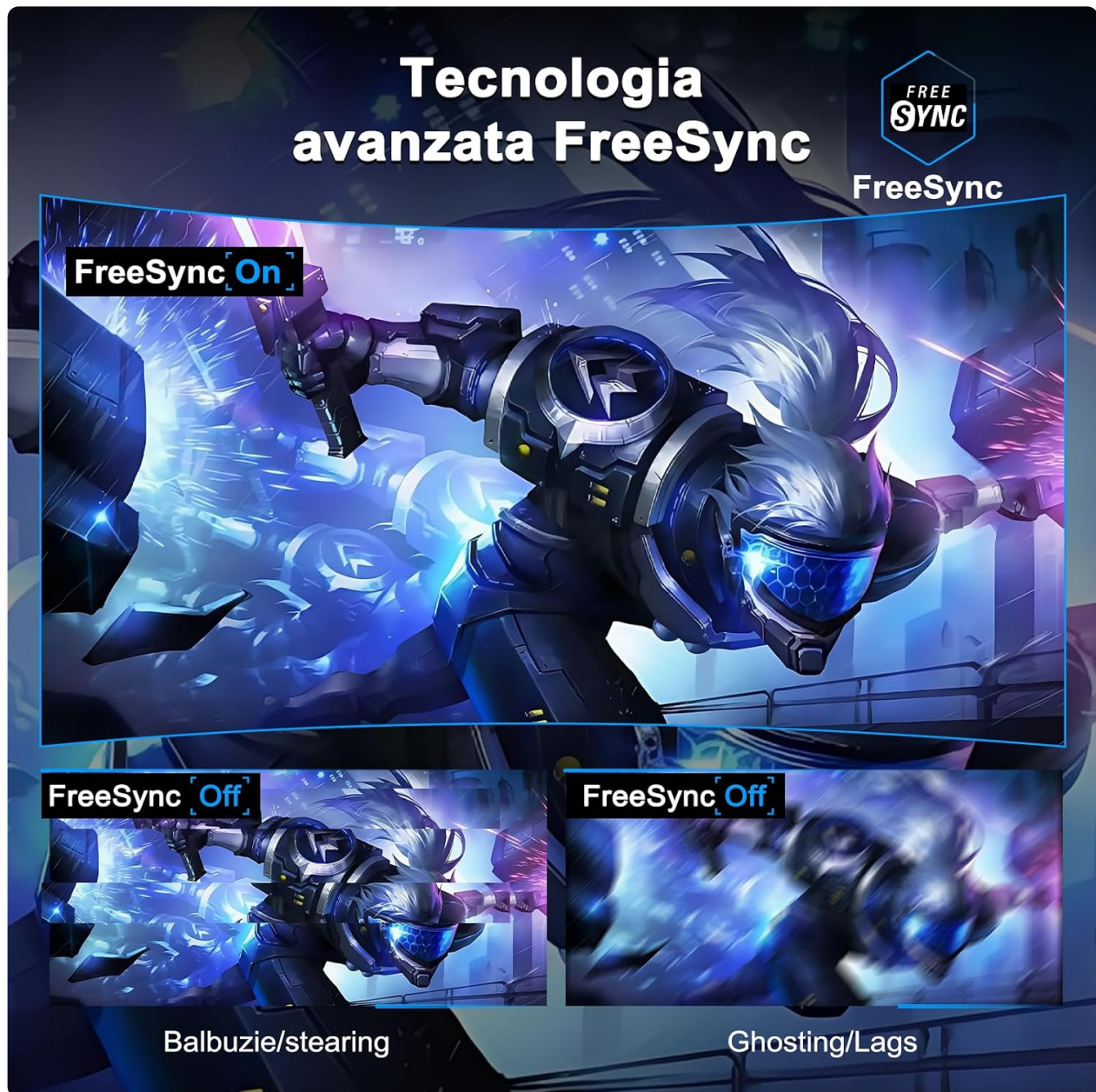


Figure 6.2: FreeSync technology in action, preventing screen tearing and stuttering.

- **Black Level Adjustment:** Adjusts the black level to reveal more detail in dark areas of games.
- **Pinpoint:** Activates an on-screen crosshair for improved aiming accuracy in games.
- **Timer:** Displays an on-screen timer, useful for tracking in-game events.



Figure 6.3: Gaming assistance features including Pinpoint, Timer, and Black Level adjustment.

6.5. Eye Care Features

The monitor incorporates technologies to protect your eyes during prolonged use:

- **Anti-Flicker:** Reduces screen flickering, which can cause eye strain and fatigue.
- **Low Blue Light:** Filters out harmful blue light emissions to minimize eye discomfort.
- **Anti-Glare:** The matte screen surface reduces reflections from ambient light.

Proteggere gli occhi dal disagio quando si gioca



Anti-sfarfallio



Anti-riflesso



Bassa luce blu



Figure 6.4: Eye care features including Anti-flicker, Anti-glare, and Low Blue Light.

6.6. Input Source Selection

To switch between connected devices (e.g., PC and game console), access the OSD menu and select the desired input source (HDMI or DisplayPort).

7. MAINTENANCE

7.1. Cleaning the Monitor

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using harsh chemicals, abrasive pads, or solvents.

7.2. Storage

If storing the monitor for an extended period, disconnect all cables, pack it in its original packaging (if available), and store it in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image on screen	Monitor is off or in standby; Incorrect input source; Loose video cable.	Press the Power button; Select the correct input source in the OSD; Check video cable connections.
Image is blurry or distorted	Incorrect resolution; Graphics card driver issues.	Set the display resolution to 1920x1080; Update graphics card drivers.
Screen flickering	Refresh rate mismatch; Cable issue; FreeSync not enabled.	Ensure refresh rate is set to 160Hz; Try a different video cable; Enable FreeSync in OSD and graphics card settings.
Colors appear incorrect	Color settings incorrect; HDR setting.	Adjust color temperature or color settings in OSD; Check HDR settings.
No sound from external speakers/headphones	Volume too low; Cable not connected; Audio output not selected.	Increase volume; Ensure audio cable is connected; Select monitor as audio output device in OS.

9. SPECIFICATIONS

The following table provides detailed technical specifications for the Minifire MFG24C1L monitor:

Scheda informativa del prodotto

REGOLAMENTO DELEGATO (UE) 2019/2013 DELLA
COMMISSIONE

No.	Parametro	Valore e precisione del parametro			Unità
1.	Nome o marchio del fornitore	Minifire			
	Indirizzo del fornitore	NO.16, Langyuan Road JieyuanAdministrative Village.Minzhong Town, Zhongshan,GuangDong, PEOPLE'SREPUBLIC OF CHINA			
2.	Identificatore del modello	MFG24C1L			
3.	Classe di efficienza energetica per Dynamic Range (SDR) standard	E			
4.	Consumo energetico in modalità On in Standard Dynamic Range (SDR)	17.5			W
5.	Classe di efficienza energetica (HDR)	F			
6.	Consumo energetico in modalità On in High Dynamic Range (HDR), se implementato	21.0			W
7.	Modalità spenta, richiesta di potenza, se applicabile	0.30			W
8.	Consumo energetico in modalità standby, se applicabile	0.50			W
9.	Consumo energetico in modalità standby in rete, se applicabile	/			W
10.	Categoria display elettronico	Monitorare			
11.	Rapporto dimensioni	16	:	9	numero intero
12.	Risoluzione dello schermo	1920	*	1080	pixels
13.	Diagonale dello schermo	60.0			cm
14.	Diagonale dello schermo	24			pollici
15.	Area dello schermo visibile	15.3			dm ²
16.	Tecnologia del pannello utilizzata	LED, LCD			
17.	Controllo automatico della luminosità (ABC) disponibile	/			
18.	Sensore di riconoscimento vocale disponibile	/			
19.	Disponibile sensore di presenza ambiente	/			
20.	Frequenza di aggiornamento dell'immagine (impostazione predefinita)	60			Hz
21.	Disponibilità minima garantita di aggiornamenti software e firmware (dalla data di fine immissione sul mercato	8			Anni
22.	Disponibilità minima garantita dei pezzi di ricambio (dalla data di fine immissione sul mercato	7			Anni
23.	Supporto prodotto minimo garantito	3			Anni
	Durata minima della garanzia generale offerta dal fornitore	3			Anni
24.	Tipo di alimentazione	Esterno			
25.	Alimentatore esterno (non standardizzato e incluso nella confezione del prodotto)				
	i				N/A
	ii	Tensione di ingresso	100-240~		V
	iii	Tensione di uscita	12		V
26	Alimentatore standard esterno (o adatto se non incluso nella confezione del prodotto)				
	i	Nome o elenco standard supportato			N/A
	ii	Tensione di uscita richiesta	/		V
	iii	Corrente erogata richiesta (minimo)	/		A
	iv	Frequenza corrente richiesta	/		Hz

Figure 9.1: Product Information Sheet (Italian) for Minifire MFG24C1L.

Feature	Specification
Brand	Minifire
Model	MFG24C1L
Screen Size	24 Inches
Panel Type	VA
Curvature	1500R
Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Refresh Rate	160 Hz
Response Time	1 Millisecond (MPRT)
Brightness	300 cd/m²
Contrast Ratio	2000:1
Color Gamut	110% sRGB
Viewing Angle	178 Degrees
HDR Support	Yes
Adaptive Sync	Yes (FreeSync compatible)
Connectivity	1x HDMI 2.1, 1x DisplayPort 1.4, 1x 3.5mm Audio Out, DC Input
VESA Compatibility	75 x 75 mm
Power Consumption	45 Watts
Dimensions (with stand)	53.9 x 19.1 x 31.8 cm (approx.)
Weight (with stand)	2.45 kg

10. WARRANTY AND SUPPORT

10.1. Manufacturer's Warranty

Minifire provides a 24-month warranty for this product, covering manufacturing defects and malfunctions under normal use. A 14-day money-back guarantee is also offered.

10.2. Customer Support

For technical assistance, warranty claims, or any questions regarding your Minifire monitor, please contact

Minifire customer support through their official website or the retailer where the product was purchased.
Please have your model number (MFG24C1L) and purchase information ready when contacting support.