

# MONITOR

## EXPERTS

# MX121LCDHS

12.1-INCH HAAS CRT MONITOR REPLACEMENT

INSTALLATION • OPERATION • ADJUSTMENT GUIDE



### EASY TO INSTALL

No modifications  
required



### AUTO ADJUST

One touch  
optimization



### RELIABLE

Industrial grade  
performance



### SUPPORT

Most issues resolved  
by phone



**MADE IN USA**

QUALITY • RELIABILITY • SUPPORT

REV. 4

# MONITOR EXPERTS

## MX121LCDHS

### 12.1-inch LCD Retrofit Monitor for HAAS CNC Controls

#### INSTALLATION | OPERATION | ADJUSTMENT GUIDE

Revision 2

## Introduction

The **MX121LCDHS** is a direct-replacement 12.1-inch LCD monitor for selected HAAS CNC controls equipped with the original CRT monitor. It is designed for easy installation using the machine's original mounting points and connections. No wiring, soldering, or cabinet modification is normally required.

**POWER INPUT:** The monitor is designed to operate from 110 to 240 VAC.

After installation, allow the HAAS control display to appear, then press **AUTO** once to optimize the image.

## Installation Procedure

1. Turn **OFF** the HAAS machine and disconnect power before working inside the control cabinet.
2. Remove the original CRT monitor carefully.
3. Install the MX121LCDHS using the original mounting hardware.
4. Connect the supplied power and video cables to the matching connectors on the monitor and machine.
5. Confirm that all connectors are fully seated and secure.
6. Turn **ON** the HAAS machine.
7. Wait until the HAAS screen is fully visible.
8. Press **AUTO** once. Allow the monitor a few seconds to complete the adjustment.
9. If necessary, use the OSD menu for minor position or image adjustments.

## Rear Panel Controls

| CONTROL      | FUNCTION                                                         |
|--------------|------------------------------------------------------------------|
| <b>POWER</b> | Turns the monitor ON or OFF.                                     |
| <b>MENU</b>  | Opens the On-Screen Display (OSD) menu and confirms a selection. |
| <b>LEFT</b>  | Moves to the previous menu item or decreases a value.            |
| <b>RIGHT</b> | Moves to the next menu item or increases a value.                |
| <b>AUTO</b>  | Automatically adjusts image size, position, clock, and phase.    |

# MX121LCDHS - HAAS

## Keypad Lock & Unlock

### LOCK THE KEYPAD

1. Turn the monitor **OFF**.
2. Press and **HOLD MENU + RIGHT**.
3. While holding both buttons, press **POWER**.
4. Continue holding MENU + RIGHT for approximately **3 seconds after the monitor turns ON**.
5. Release all buttons. The keypad is now locked.

### UNLOCK THE KEYPAD

1. Turn the monitor **OFF**.
2. Press and **HOLD MENU + LEFT**.
3. While holding both buttons, press **POWER**.
4. Continue holding MENU + LEFT for approximately **3 seconds after the monitor turns ON**.
5. Release all buttons. The keypad is now unlocked.

**IMPORTANT:** The monitor must be **OFF** before starting either procedure. Do not release the buttons immediately after pressing **POWER**. Keep holding them until the monitor has completely powered ON (about 3 seconds). If the keypad does not lock or unlock, turn the monitor OFF and repeat the procedure carefully.

## Troubleshooting

| PROBLEM                       | SOLUTION                                                                     |
|-------------------------------|------------------------------------------------------------------------------|
| No image                      | Check the power and video cable connections. Confirm the HAAS control is ON. |
| Image shifted or not centered | Wait for the HAAS screen to appear fully, then press AUTO once.              |
| Image unstable                | Turn the machine OFF, reseal the video connector, and restart the machine.   |
| Image needs fine adjustment   | Open MENU and make small position, clock, or phase adjustments as needed.    |
| Buttons do not respond        | The keypad may be locked. Follow the Unlock procedure above.                 |

## Technical Support

**Monitor Experts**  
www.monitorexperts.com  
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Reliable retrofit monitors  
Easy installation  
Most questions resolved by phone