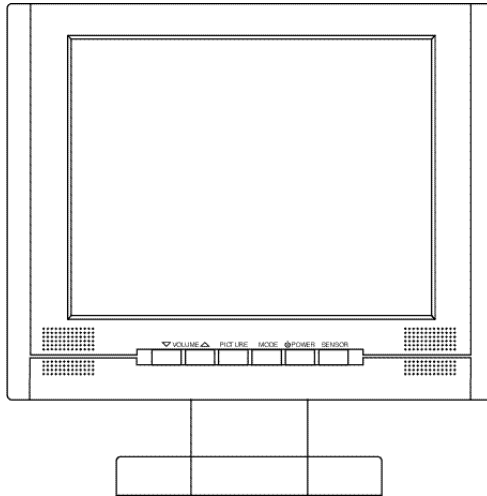




VMA1131



11" LCD COLOR MONITOR

OWNER'S MANUAL

INTRODUCTION

The Clarion VMA1131 is a full-featured 11.3" LCD Color Display Monitor. It can be used as:

- A stand-alone TV when used with the optional TV Tuner, TTX001
- A monitor integrated into a mobile multimedia system using the auxiliary A/V inputs
- A PC monitor with the VGA input

ABOUT THE MANUAL AND WARRANTY

To start enjoying your new Clarion VMA1131, please read the instructions listed in this manual. Keep all instructions for future reference. Please fill out and send in the enclosed warranty card to protect your purchase and aid in warranty service. Also, **save your original sales receipt as proof of purchase.**

** If using the VMA1131 with the optional TV Tuner, please refer to the owner's manual for the TTX001.*

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PRECAUTIONS

- This set is for use in 12V, negative ground vehicles. Be sure to consult your store of purchase before installing it on 24V vehicles.
- Do not operate the set in ways other than described in this guide. Doing so may damage it.
- SAFETYFIRST! For rear seat use only. Do not install on dashboard or anywhere else that would permit monitor to be viewed by the driver. Monitor must not be located in the motor vehicle at any point forward of the back of the front seats. Monitor must never be used in any manner that will distract driver or interfere with driver's safe operation of the motor vehicle.
- Be careful not to run down the car battery while using the set with the car stopped.

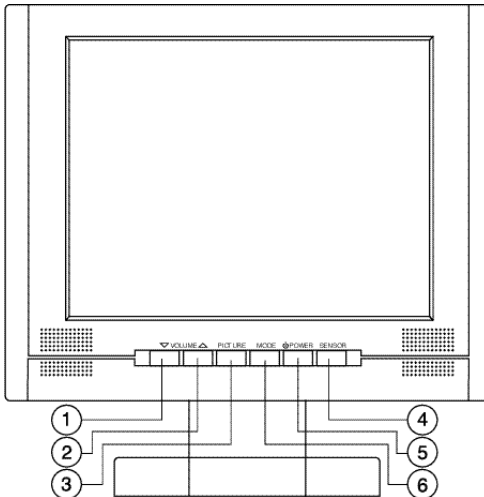
- For safety, install the set in a position at which the driver cannot see it.
- Do not disassemble or modify the set. Doing so may damage it and voids your warranty.
- Keep drinks and drops from umbrellas away from the set. Water may damage the internal circuitry.
- Do not let the set become hot. If temperature in the car is high or the set has been exposed to direct sunlight and is hot, lower the temperature before using it. (The liquid crystal panel will work properly within a temperature range of 30 – 113 degrees F.)
- In extremely cold temperatures, the movement of the picture may be slow and the picture may be dark, but this is not a malfunction. The set will work normally once the temperature increases.
- Small black and shiny dots inside the liquid crystal panel are normal for liquid crystal products.

PACKAGE CONTENTS

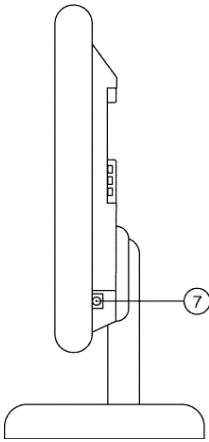
The Clarion VMA1131 comes with the following items:

- Ribbon Cable for connection to the TTX001 TV Tuner
- A/V RCA Cable
- Power Cord
- Table Top Stand

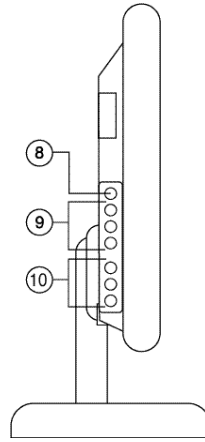
BUTTON LOCATIONS



- | | |
|-----------------------------|-------------------------|
| ① Volume Down Button | ④ Mode Selection Button |
| ② Volume Up Button | ⑤ Power Button |
| ③ Picture Adjustment Button | ⑥ IR Remote Sensor |



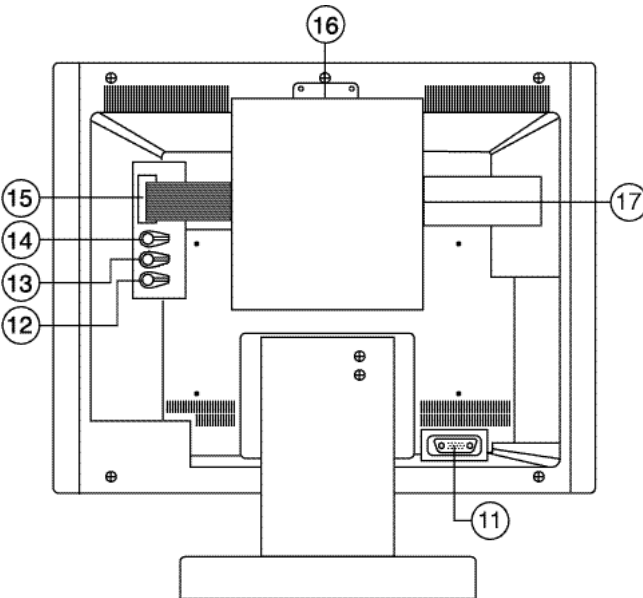
⑦ DC Power Connector



⑧ Earphone Jack

⑨ AV2 Input Connectors

⑩ AV1 Input Connectors



⑪ VGA Input Connector

⑫ Channel Preset Button

⑬ Channel Down Button

⑭ Channel Up Button

⑮ TV Tuner Ribbon Connector

⑯ TTX001 TV Tuner (optional)

⑰ Antenna Input Connector

INSTALLATION AND WIRING

Before You Begin:

1. This monitor is exclusively for use in cars with a 12V negative ground power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery's negative terminal before starting. This is to prevent short circuits during installation.

NOTE: The VMA1131 cannot be used by itself. It should be connected to a device such as a Clarion TTX001 TV Tuner or a source such as a video cassette player.

Wiring

1. Be sure to turn the power off before wiring.
2. Be very careful where you route the wires. Keep them well away from the engine, exhaust pipe, etc. Heat may damage the wires.
3. If the fuse should blow, check to see if the wiring is correct.
4. Fasten the ground lead (black) securely to a clean chassis ground. If the unit is insufficiently grounded, it may not operate or there may be noise.

Power

1. Connect the output of the DC-Adapter on the DC-Input port.
2. Connect one end of the power cord to DC-Adapter socket and connect the other end of the cord to the power supply.
3. Connect the PC-VGA cable to the VGA port for computer application.
4. Connect A/V cables to AV1 and AV2 port for auxiliary video application.

PICTURE ADJUSTMENT

To adjust from the unit:

1. Press the Picture Adjustment button until the desired adjustment appears on the screen. The picture control symbols will appear on the screen in the following order: CONTRAST BRIGHT TINT COLOR H-CENTER V-CENTER
2. Press the Volume +/- buttons to adjust the selected function.

To adjust from the remote control:

1. Press the Picture Select button on the remote control until the desired adjustment appears on the screen. The picture control symbol will appear on the screen in the following order: CONTRAST BRIGHT TINT COLOR H-CENTER V-CENTER
2. Press the Channel +/- button to adjust the selected function.

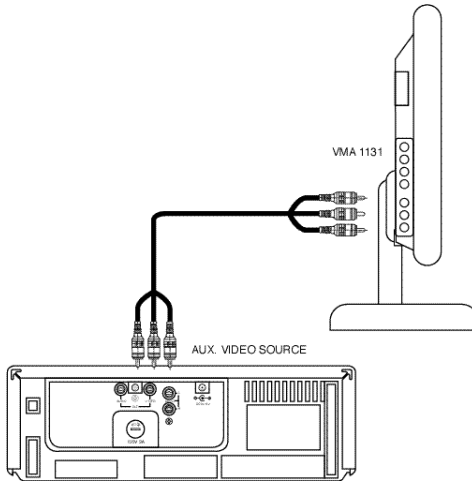
To adjust the viewing angle:

1. Gently hold both sides of the cabinet and tilt the monitor up or down to achieve the desired viewing angle.
2. The recommended viewing is +30 degrees to -10 degrees vertical and +45 degrees to -45 degrees horizontal.

AUXILIARY VIDEO INPUTS OPERATION

The VMA1131 is equipped with two auxiliary A/V Inputs.

1. Plug the AV1 Audio/Video Input cord into the AV1 and/or AV2 input jacks.
2. Connect Audio/Video Connectors to the Auxiliary Source.
3. Press the Input Selection button on the unit or remote control until VIDEO 1 or VIDEO 2 is displayed.
4. The selected auxiliary video source should be seen.

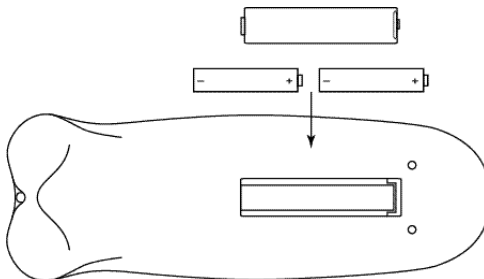


OPTIONAL REMOTE CONTROL BATTERY INSTALLATION

- Insert 2 AAA batteries into the compartment located on the back of the unit, observing the proper polarity.

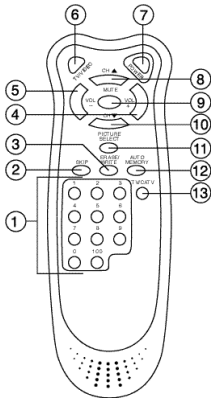
NOTES:

- Each time you change the batteries, you must reprogram the channels.
- We suggest you use alkaline batteries; do not use rechargeable batteries.
- Always change all the batteries at the same time.



OPTIONAL REMOTE CONTROL OPERATION

- To use the remote control, press the Power button to turn on the remote.
- Press the TV/VIDEO button to select the source to be controlled by the remote.
- The VOL(ume) +/- buttons and the MUTE button control the TV volume.

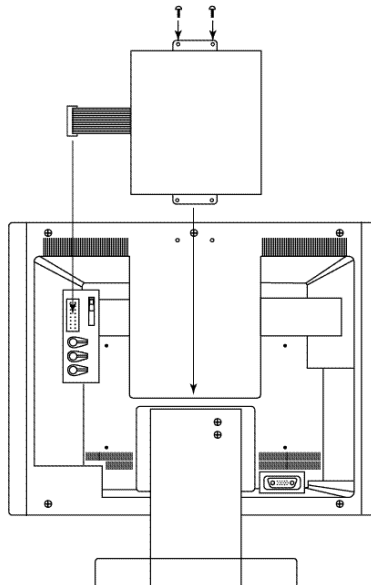


- | | |
|---------------|------------------|
| ① Number Pad | ⑧ Channel Up |
| ② Skip | ⑨ Mute |
| ③ Erase/Write | ⑩ Channel Down |
| ④ Volume Up | ⑪ Picture Select |
| ⑤ Volume Down | ⑫ Auto Memory |
| ⑥ TV/Video | ⑬ TV/CATV |
| ⑦ Power | |

OPTIONAL TTX001 TV TUNER INSTALLATION

- Slide the TTX001 onto the back of the VMA1131.
- Install the screws provided, as shown in the illustration below.
- Insert ribbon cable into ribbon cable connector.
- Connect external antenna to antenna input connector.

Note: When using a TV Tuner with the VMA1131, AV1 Input Connector will be disabled.



TV TUNING

If using the TTX001 with the VMA1131, follow these directions to control the TV functions:

1. Be sure TV is chosen as the source to be controlled.
2. Press the Auto Memory button on the remote control to scan available channels.
3. For station adjustments, press the Channel Up and Down buttons on the remote control.

CARE AND MAINTENANCE

Cleaning the cabinet:

- Use a soft, dry cloth and gently wipe off the dirt. For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.
- Do not use liquid cleaners on any surfaces as they may damage the cabinet or cause the paint to peel. Also leaving rubber or plastic products in contact with the cabinet for long periods of time may cause stains.

Cleaning the LCD panel:

- The LCD panel tends to collect dust, so wipe it off occasionally with a soft and dry cloth.
- The surface is easily scratched; do not rub it with hard objects.

TROUBLESHOOTING

Before assuming malfunction of the unit, check the following:

Problem:

Power does not switch on.

Solution:

- The wiring is incomplete – See the Installation section of the manual and connect properly.

Problem:

Optional remote control unit does not work.

Solution:

- The batteries in the remote control may be inserted incorrectly or the batteries are dead – Check batteries and replace if necessary.
- The remote distance may be too far – Distance must be less than 2 meters.
- The direction of the remote may be improper – Point the remote control unit directly to the remote sensor.

Problem:

Picture does not appear.

Solution:

- The TV Tuner is not set to TV mode (when using the TTX001) – Set the function to TV mode.
- The TV Tuner is set to VTR mode (when using the TTX001) – In the VTR mode, no picture appears if no video signal is being input to the VIDEO IN terminal of the tuner.

Problem:

Picture has shadow or shadows.

Solution:

- Signal condition is poor – This may be due to signals reflected off mountains or buildings. Check again in a different place or direction.

Problem:

Screen is dark.

Solution:

- The brightness control is not set properly – Adjust the brightness setting.
- Usage conditions are poor – This may happen if the temperature in the vehicle is below 30 degrees F or above 113 degrees F. Check again when the temperature is between 30 – 113 degrees F.

Problem:

Colors are pale or hue is poor.

Solution:

- The picture adjustment is not adjusted properly – Adjust the picture.

Problem:

Stripes or spots are on the picture.

Solution:

- Interference signals – This may be caused by interference from other vehicles, trains, high voltage lines, neon lights, etc. Check again in another place.

PRODUCT SPECS

Type:	Color TFT active matrix LCD Display
Size:	11.3" (actual panel size)
Pixels:	800x600 screen resolution
Power Source Voltage:	DC 11-15V
Power Consumption:	1.5Amax. (1.5Aor less)
Operation Temperature:	30 - 113 degrees F

NOTES

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www.clarion-usa.com

VMA1131-10 Rev.2 (03/00)

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