

# VocoPro

## Owner's Manual



MOUNTING BRACKETS SOLD SEPARATELY

# DVM-100G

## DIGITAL KARAOKE VIDEO MIXER

### EXCELLENT FEATURES.

Digitally mixes the images of the singer with CD+G lyrics when connected to any CD+G player and video camera.

Digitally compresses and superimposes the song lyrics to the bottom of the screen while the entire background displays the singer.

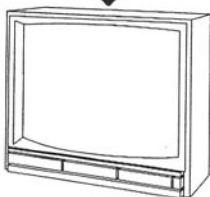
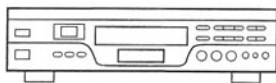
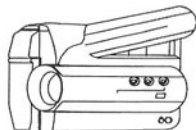
Record MTV style karaoke video with singer and CD+G lyrics with any VCRs.

Keyboard input to type messages for announcement in clubs and bars.

# Introduction

Congratulations on the purchase of your VocoPro DVM - 100g. This device has been designed to provide you and your friends with many hours of entertainment. With the addition of DVM-100G to your existing Karaoke System you can now see yourself in your CD+G VIDEOS.

The DVM-100G automatically combines the CD-G text with a video image. The video can be anything you desire. We recommend that you point the camera at yourself. You will now see yourself with the CD+G graphics superimposed under your image. you don't have to worry about the large CD+G text blocking image the DVM-100G will automatically put the text under the picture.



## Identification of Controls/Connectors

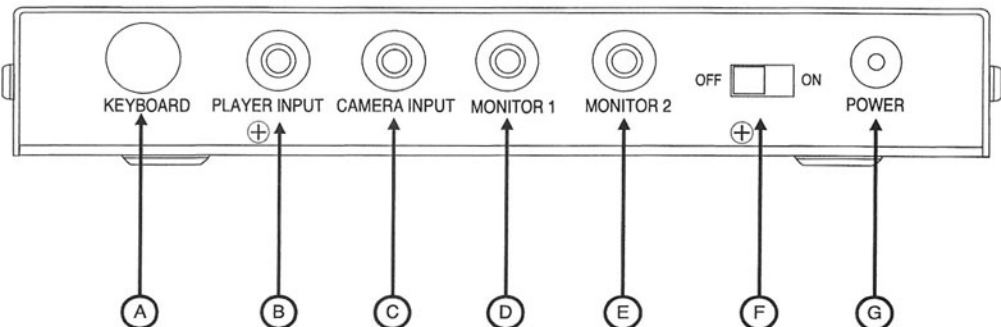
### Front Panel



- A**    **Performance Button 1**  
This button controls the video that comes out of Monitor 1 Video Output. See the Operation section for more info.
- B**    **Performance Button 2**  
This button controls the video that comes out of Monitor 2 Video Output. See the Operation section for more information.
- C**    **Power Indicator**  
The Power Indicator is illuminated when the power supply is properly connected and the Power Switch is in the On position.

## Identification of Controls/Connectors ( continued )

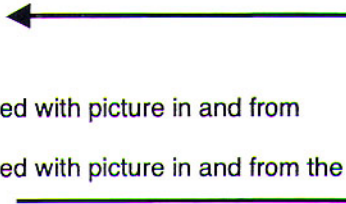
### Rear Panel



- A Keyboard Connection (Optional)**  
A PC compatible Keyboard is connected to the Keyboard input. When connected, it allows messages to be input which will be overlaid on the Monitor 1 Video Output. These messages can be located in any position on the screen.
- B Player Input**  
The Player Input is connected to the Video Output of a Karaoke Player.
- C Camera Input**  
The Camera Input is connected to the Video Output of a Camcorder or similar Camera.
- D Monitor 1 Output**  
The Monitor 1 Output is connected to the Video Input of a Video Monitor. Performance Button 1 controls the type of output on the Monitor 1 Video Output.


## Quick Start

- 1) Connect all of the cables to your DVM 100-G device as shown in figure 1.
- 2) Apply power to the CD+G player and the Video Camera.
- 3) Apply power to your DVM 100-G device by moving the power switch on the rear of the device to the ON position.
- 4) At this point, Camera video should be coming out of the Monitor 1 Video Output.
- 5) Adjust the Camera to provide the best image of the performer on the Video Monitor.
- 6) By depressing the Performance 1 Button, select the type of performance you desire to be output from Monitor 1 Video Output. The choices are:

- a.) Show Camera video only (power outlet)
  - b.) Show CD+G video only
  - c.) Show combined Can be CD+G input picture.
  - d.) Show VCD or DVD video from CD+G Input combined with picture in and from the Camera Input in upper left corner.
  - e.) Show VCD or DVD video from CD+G Input combined with picture in and from the Camera Input in upper right corner.
- 

These five selections are made by momentarily pressing the Performance 1 Button. Each time the button is pressed, the next performance type is selected. Notice how the selections move in a loop. See the illustration in the Performance Button 1 section.

- 7) By depressing the Performance 2 Button, select the type of performance you desire to be output from Monitor 2 Video Output the choices are:

- a.) Show CD+G video only (power - on - default)
  - b.) Show Camera video only
- 

These two selections are made by momentarily pressing the Performance 2 Button. Each time the button is pressed, the next performance type is selected. Notice how the selections move in a loop. See the illustration in the Performance Button 2 section. Note, the use of the Monitor 2 Video Output is optional since the Monitor 1 Video Output provides all of the video overlay functions.

- 8) That's it. You don't have to touch another button. Everything is automatic from here on.

## Connections

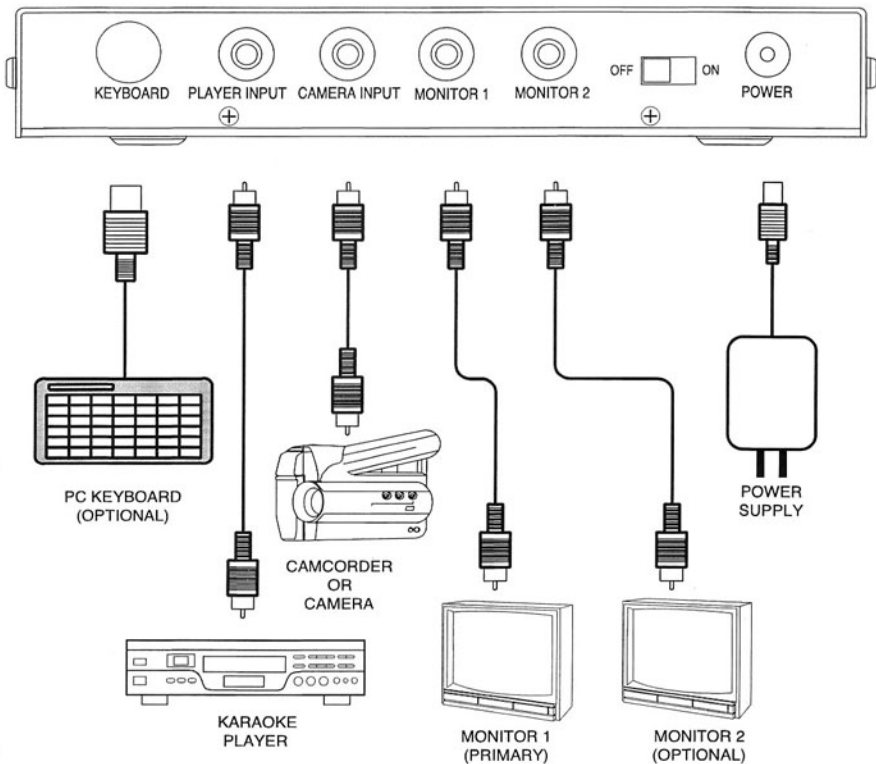


Figure 1

# Operation

After setup, operation of the DVM-100G controlled by the two Performance Buttons of the Unit.

The two performance buttons select the type of video that will be shown on the Monitor 1 and monitor 2 video Outputs. These buttons are labeled Performance 1 and Performance 2.

Performance 1 button controls the video feed that comes out of monitor one video output.

Performance 2 button controls the video feed from the monitor 2 video Output.

Each time a button is used a different picture is shown.

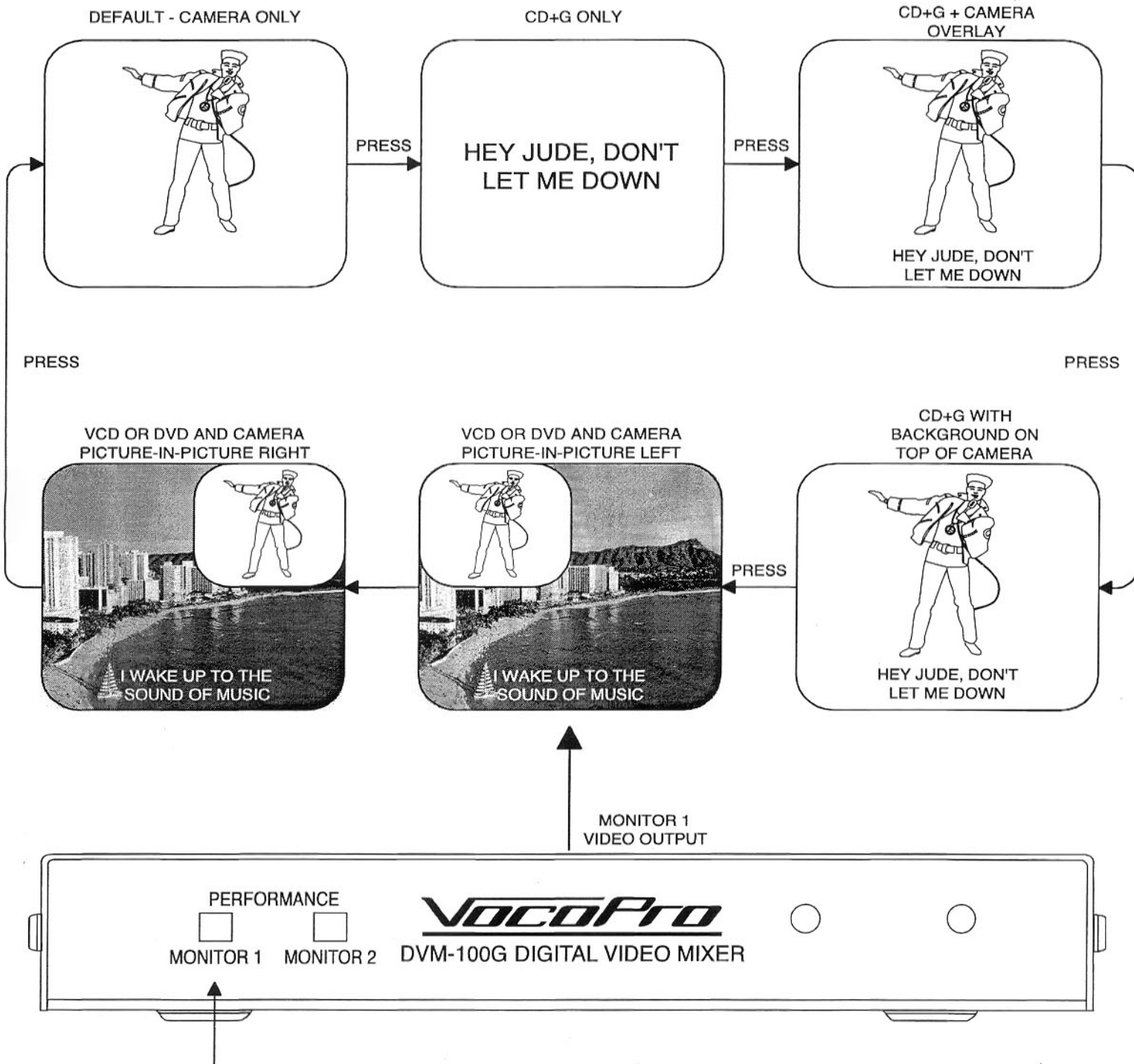
The monitor own video Output is the primary video output fo the DVM-100G. all of the video overlay capabilities of the DVM-100G are shown on the monitor 1 video Output.

The monitor 2 video output is used to allow viewing of unaltered video from either the camera feed or the CD+G video input.

An optional P.C. compatible keyboard can be attached to the DVM-100G. the keyboard allows the user to type messages on the video from monitor 1 video output on the fly. All entered messages are retained even when the unit is powered off. this feature is useful for entering a performer's name of advertisement.

### Performance Button 1

This button controls the performance that comes out of the Monitor 1 Video Output. When the DVM 100G is first powered on, Monitor 1 Video Output will show the video from the Camera Video Input. Pressing Performance Button 1 will cause the Monitor 1 Video Output to toggle between the Camera Video Input, the CD+G Video Input, the Camera video overlaid with the CD+G text, the CDG background and text video on top of the Camera video, VCD or DVD video overlaid with Camera PIP Left, and VCD or DVD video overlaid with Camera PIP Right. This process is illustrated below.

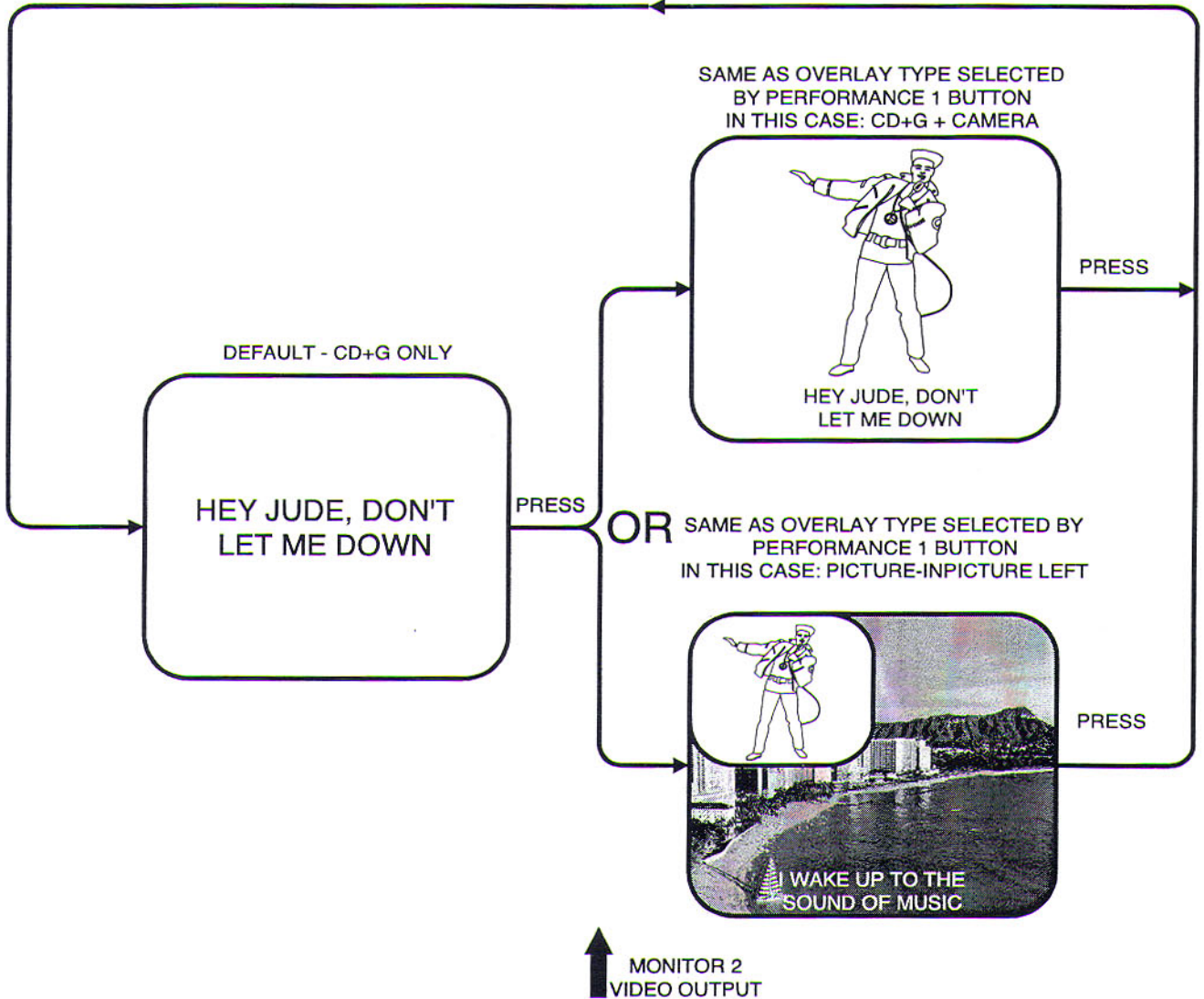


Each press of Performance Button 1 will toggle the video output from the Monitor 1 Video Output as shown above.



## Performance Button 2

This button controls the performance that comes out of the Monitor 2 Video Output. When the DVM-100G is first powered-on, the Monitor 2 Video Output will show the video from the CD+G Video Input. Pressing Performance Button 2 will cause the Monitor 2 Video Output to toggle between the CD+G video only and the overlay type which has been selected with Performance Button 1 as illustrated below. If Performance Button 1 has selected Camera Only or CD+G Only, the pressing of Performance Button 2 will cause Monitor 2 Video Output to toggle between CD+G only and CD+G + Camera video. This process is illustrated below.



Each press of Performance Button 2 will toggle the video output from the Monitor 2 Video Output as shown above.

## User Message Setup

Connecting a standard PC Keyboard to the DVM 100-6 allows the User to place text on the Monitor 1 Video Output. The text area is composed of 10 lines with 25 characters per line. To use the User Message Setup feature, three Keyboard Function Keys are assigned special meaning.

DVM 100-6 will remember the last entered message automatically every time it is turned on.

### F1 Key – Enter Message Setup Function

When the F1 Key is activated, the User Message Setup feature is enabled. When this occurs, a flashing Cursor will appear in the upper lefthand corner of the screen. As keys on the Keyboard are pressed, they will appear on the screen. Valid keys are shown below.

### F2 Key – Toggle Text Color

When the F2 Key is activated, the text color will toggle between White, Cyan, Green, and Magenta.

### F3 Key – Clear Screen

When the F3 Key is activated, all User Message text will be removed from the screen and the Cursor will be placed in the upper left hand corner of the screen.

### F4 Key – Exit Message Setup Function

When the F4 Key is activated, the Cursor will be removed from the screen and no further text can be entered. The message that was present on the screen before F4 was received will remain.

### Left Arrow Key

When this key is activated, the Cursor will move one column to the left. The text will remain unaltered. When the Cursor is already at the left most column, the key will have no affect.

### Right Arrow Key

When this key is activated, the Cursor will move one column to the right. The text will remain unaltered. When the Cursor is already at the right most column, the key will have no effect.

### Up Arrow Key

When this key is activated, the Cursor will move one row upward. The text will remain unaltered. When the Cursor is already at the upper most row, the key will have no affect.

### Down Arrow Key

When this key is activated, the Cursor will move one row downward. The text will remain unaltered. When the Cursor is already at the lower most row, the key will have no effect.

**Enter Key**  
When this key is activated, the Cursor will move to the left most column and if possible (if not already at the lower most row), will move one row downward. The text will remain unaltered.

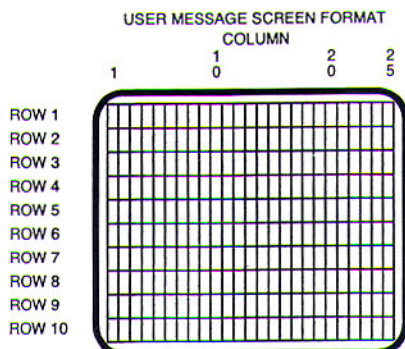
### Shift Key

When this key is activated, shifted keys will be generated as they would be on a PC.

Other valid key for input are:

1 2 3 4 5 6 7 8 9 0 a b c d e f g h i j k l m n o p q r s t u v w x y z A B C D E F  
G H I J K L M N O P Q R S T U V W X Y Z , ; . / = ! # % & \* ( ) " < >

The screen User Message format is illustrated below:



Each rectangular cell in the illustration above represents a location on the screen where a character can be entered.



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**VocoPro**

ULTIMATE CHOICE OF KARAOKE ENTERTAINMENT