

JVC

GM-552/GM-552D

LCD DISPLAY MONITOR
LCD-DISPLAYMONITOR
MONITEUR LCD
MONITOR CON SCHERMO A CRISTALLI LIQUIDI
MONITOR PANTALLA LCD
МОНИТОР С ЖК-ДИСПЛЕЕМ

LCD DISPLAY MONITOR GM-552/GM-552D

INSTRUCTIONS
BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
ISTRUZIONI

MANUAL DE INSTRUCCIONES
ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ



For Customer Use:
Enter below the Serial No. which is located on the
rear of the cabinet. Retain this information for future
reference.

Model No. : GM-552/GM-552D
Serial No. : _____

JVC

JVC

1-3121-1501G03

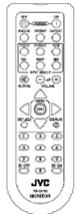
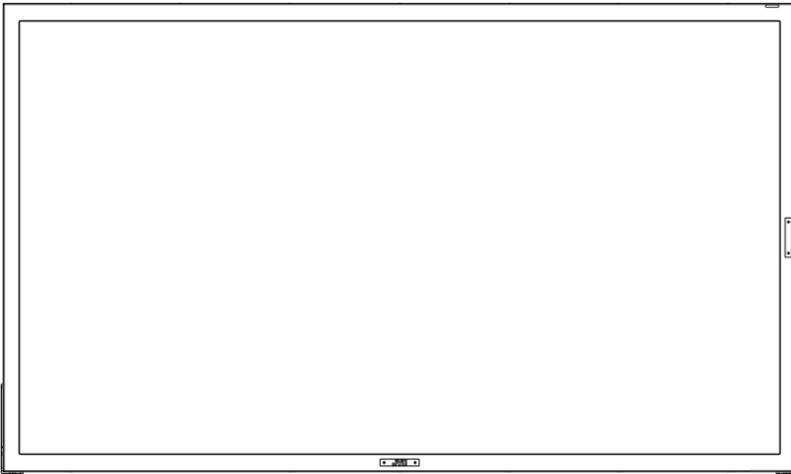
1-3121-1501G03

JVC

LCD DISPLAY MONITOR

GM-552/GM-552D

INSTRUCTIONS



HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE

Safety Precautions



CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

IMPORTANT SAFEGUARDS

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. But **IMPROPER USE CAN RESULT IN POTENTIAL ELECTRIC SHOCK OR FIRE**. In order not to defeat the safeguards incorporated into this product, observe the following basic rules for its installation, use, and service. Please read these "IMPORTANT SAFEGUARDS" carefully before use.

- All the safety and operating instructions should be read before the product is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the product and in the operating instructions should be adhered to.
- All operating instructions should be followed.

POWER CONNECTION

The power supply voltage rating of this product is AC 100 V - 240 V.

The power cord attached conforms to the following power supply voltage and countries. Use only the power cord designated to ensure safety and EMC regulations of each country.

For U.S.A. and Canada:
AC 120 V



For European and Asian countries:
AC 220 - 240 V



For United Kingdom:
AC 220 - 240 V



This plug will fit only into a grounded power outlet. If you are unable to insert the plug into the outlet, contact your electrician to install the proper outlet. Do not defeat the safety purpose of the grounded plug.

- This product should be operated only with the type of power source indicated on the label. If you are not sure of the type of power supply of your home, consult your product dealer or local electric power company.

Warning:

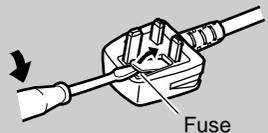
- Do not use the same power cord for AC 120 V as for AC 220 - 240 V. Doing so may cause malfunction, electric shock or fire.

Note for United Kingdom power cord only

The plug of United Kingdom power cord has a built-in fuse. When replacing the fuse, be sure to use only a correctly rated approved type, re-fit the fuse cover. (Consult your dealer or qualified personnel.)

How to replace the fuse

Open the fuse compartment with the blade screwdriver, and replace the fuse.



Safety Precautions (cont.)

- Before connecting other products such as VCR's and personal computers, you should turn off the power of this product for protection against electric shock.
- Do not use attachments not recommended by the manufacturer as they may be hazardous.
- **When replacement parts are required**, be sure the service technician has used replacement parts specified by the manufacturer or equivalents. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- **Upon completion of any service or repairs to this product**, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Under the following conditions,

1. Turn off the power.
 2. Unplug this product from the wall outlet.
 3. Refer service to qualified service personnel.
- a) When the product emits smoke or unusual smell.
 - b) When the product exhibits a distinct change in performance—for example, no picture or no sound.
 - c) If liquid has been spilled, or objects have fallen on the product.
 - d) If the product has been exposed to rain or water.
 - e) If the product has been dropped or damaged in any way.
 - f) When the power supply cord or plug is damaged.

- Do not install this product in the following places:
 - in a damp or dusty room
 - where the product is exposed to soot or steam, such as near the cooking counter or a humidifier
 - near heat sources
 - where condensation easily occurs, such as near the window
- Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product.
The product should be mounted according to the manufacturer's instructions, and should use a mount recommended by the manufacturer.
- Do not use this product near water.
- Be sure to install the product in the place where proper temperature and humidity are kept (☞ "Operating conditions" on page 26).
This product becomes hot during its use. Take enough care when handling the product.

Do not use the product for a long time if the sound is distorted.

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages and other hazards. Refer all service to qualified service personnel.

- Make enough room for inserting or removing the power plug. Place the product as close to an AC outlet as possible. The main power supply for the product is controlled by inserting or removing the power plug.
- When you install the product in a place where you cannot easily insert or remove the power plug from an AC outlet, insert or remove the power cord from the AC inlet on the product.
- When the product is left unattended and unused for a long period of time, unplug it from the wall outlet and disconnect the cable system.
- Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
- Use only the accessory cord designed for this product to prevent shock.

- Slots and openings in the cabinet are provided for ventilation. These ensure reliable operation of the product and protect it from overheating. These openings must not be blocked or covered.
- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-circuit the parts, which could result in a fire or electric shock.
- Never spill liquid of any kind on the product.
- Never place anything on the product. (Placing liquids, naked flames, cloths, paper, etc. on the product may cause a fire.)
- Do not apply any strong shock to the LCD panel. (Do not hit any object against it or push it with a sharp-pointed tool.)
- Do not put heavy objects on the product.
- Do not step on or hang on the product.

When using stands for this monitor, use the supplied stands and attach them properly.

- Improper use of stands may lead to damages on the floor or on the monitor, or may cause the monitor to topple over.

Safety Precautions (cont.)

European Union only

Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of JVC KENWOOD Corporation is: JVC Technical Services Europe GmbH
Postfach 10 05 04
61145 Friedberg Germany

Information for Users on Disposal of Old Equipment and Batteries



[European Union]

These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products. For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]

If you wish to dispose of this product, please visit our web page <http://www.jvc.eu/> to obtain information about the take-back of the product.

[Other Countries outside the European Union]

These symbols are only valid in the European Union.

If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.

Notice:

The sign Pb below the symbol for batteries indicates that this battery contains lead.



Products



Battery

Informacije za korisnike o odlaganju stare opreme



Produkt



Baterija

Naznaka:
Hemijski simbol Pb
ispod simbola za
baterije ukazuje na
to da li baterija sadrži
olovo.

[primenljivo u zemljama koje su usvojile direktivu o sistemima sortiranja i razdvajanja otpada]

Ovi simboli ukazuju da produkt sa ovim simbolom i baterije ne treba odlagati kao nesortiran kućni otpad kada im istekne vek trajanja. Umesto toga, proizvod treba predati važećim otpadima za reciklažu električne i elektronske opreme (kao i baterija) radi pravilnog postupanja u skladu sa vašim nacionalnim zakonodavstvom.

Ispravnim odlaganjem ovog proizvoda pomažete očuvanju prirodnih resursa i prevenciji potencijalnih negativnih efekata na okolinu i ljudsko zdravlje koji bi inače bili prouzrokovani nepravilnim rukovanjem otpadom od ovih proizvoda.

Za više informacija o otpadima i reciklaži ovog proizvoda, molimo vas da kontaktirate vašu lokalnu opštinsku kancelariju, vaše javno komunalno preduzeće ili prodavnicu u kojoj ste kupili proizvod.

Ako vaš korišćeni proizvod sadrži baterije ili akumulatore, molimo vas da ih unapred odložite zasebno u skladu sa lokalnim zahtevima.

(Za poslovne korisnike)

Ako želite da odložite ove proizvode, molimo vas da kontaktirate vašeg prodavca ili dobavljača za više informacija.

Safety Precautions (cont.)

Information

Manufacturer	Importer (EU only)
JVCKENWOOD Corporation 3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, Japan	JVC Professional Europe Ltd. JVC House JVC Business Park 12 Priestley Way, London NW2 7BA, United Kingdom

U.S.A. only

- The AC power supply is controlled by turning on/off the POWER switch on the rear panel. If the product is installed in a place where you cannot easily turn on/off the POWER switch, control the AC power supply by plugging/unplugging the power cord into/from the AC outlet. In this case, install the product as close to the AC outlet as possible, and leave enough space for plugging/unplugging the power cord. If the product is installed in a place where you cannot easily plug / unplug the power cord, equip an easily accessible device to the wiring of the building for turning on/off the power.
- When the product is left unattended and unused for a long period of time, unplug it from the wall outlet and disconnect the cable system.
- Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
- Use only the accessory cord designed for this product to prevent shock.

FCC NOTICE (U.S.A. only)

CAUTION: Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT RECYCLING INFORMATION

This product has a fluorescent lamp that contains mercury. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities or for USA, the Electronic Industries Alliance: <http://www.eiae.org>

Safety Precautions (cont.)

IMPORTANT SAFETY INSTRUCTIONS

1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning.
Do not use liquid cleaners or aerosol cleaners.
Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product and persons nearby.
7. Slots and openings in the cabinet and the back are provided for ventilation: to ensure reliable operation of the product, these openings must not be blocked by placing the product on a bed, sofa, rug or other similar surface.
This product should never be placed near or over a heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
8. This product should be operated from the type of power source indicated on the marking label.
If you are not sure of the type of power available, consult your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug having a third (grounding) pin.
This is a safety feature.
If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet.
Do not defeat the purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
11. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 10 amperes.
12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.
Never spill any kind of liquid on the product.
13. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.
14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the Product does not operate normally when the operating instructions are followed.
Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.
15. The Main Plug is used as the disconnect device. Make enough room for inserting and removing the power plug.
Place the apparatus as close to the outlet as possible.
16. Be sure to install the monitor securely to prevent the monitor from falling over, which may cause damage to the monitor or injury.
17. Do not step on or hang on the product.



Operating Precautions

The LCD panel and backlight have life expectancy. Due to the basic characteristics of the LCD panel, an afterimage or uneven display may occur. It is recommended that you change images occasionally, activate the power saving function, or often turn off the power to reduce the load on the LCD panel. Continuous operations of the LCD panel may accelerate the deterioration.

Maintenance

Screen

To avoid irreparable change in appearance of the screen such as uneven color, discoloration, scratches, be careful about the following:

- Do not paste or stick anything using any glues or adhesive tapes.
- Do not write anything on the screen.
- Do not strike the screen with a hard object.
- Avoid condensation on the screen.
- Do not wipe the screen with any liquid such as water. In addition, wiping the screen with water-diluted neutral detergent or solvent such as alcohol, thinner, or benzine may affect the anti-reflection treatment of the screen.
- Do not wipe the screen forcefully.

Wipe stains off the screen with a soft cloth.

Ventilation openings

Use a vacuum cleaner to get rid of the dust around the intakes (all the openings). If a vacuum cleaner is not available, use a cloth and wipe it off. Leaving the dust around the intakes may prevent proper temperature control and cause damage to the product.

Cabinet

To avoid the deterioration or damages of the cabinet such as its paint's peeling away, be careful about the following:

- Do not wipe the cabinet using solvent such as alcohol, thinner, or benzine.
- Do not expose the cabinet to any volatile substance such as insecticides.
- Do not allow any rubber or plastic in contact for a long time.
- Do not wipe the cabinet forcefully.

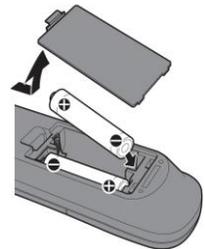
Wipe stains off the cabinet with a soft cloth. If the cabinet gets heavily stained, wipe it with a soft cloth soaked in water-diluted neutral detergent and wrung well, then wipe with a soft dry cloth.

Inserting the batteries

Use two AAA dry cell batteries.

Insert the batteries from the ⊖ end, making sure the ⊕ and ⊖ polarities are correct.

- Follow the warnings printed on the batteries.
- Battery life is about six months to one year, depending on how much you use the remote control.
- The batteries we supply are only for setting up and testing your monitor, please replace them as soon as you need to.
- If the remote control does not work properly, replace the batteries.
- Batteries shall not be exposed to excessive heat such, as direct sunshine, fire or the like.



Contents

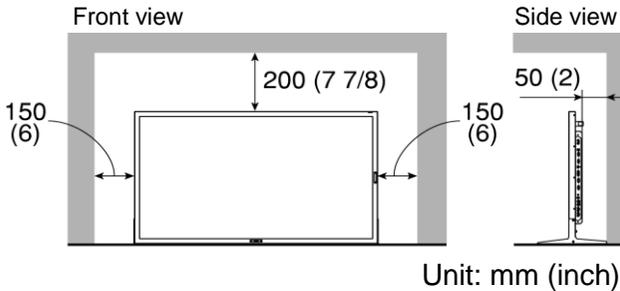
Safety Precautions	2
Installation	9
Connectors	11
Available Signals	12
Controls	14
Remote Control	15
Indicators	16
OSD Menu	16
How to use External Control (RS-232C)	24
Specifications	26
Trouble Shooting	30

Installation

Precautions

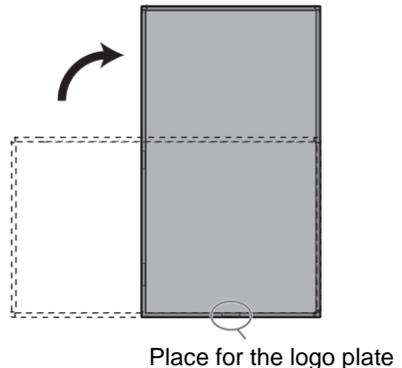
- When installing the monitor on the wall, consult your dealer.
- Route the power cord and connection cables along the floor corners to avoid walking on them.
- For good heat dissipation, try to leave the following distance of space (minimum) around the monitor (see diagram below).
- When installing the monitor near the ceiling or similar location, the remote control may not work correctly because of possible effects, such as reflections, from the surroundings. If this happens, move the monitor where it is free from these effects.
- The ambient temperature of the installation place should be within the range of 0°C to 40°C (32°F to 104°F)(slightly variable depending on the ambient conditions of the installation place).
- Do not install the monitor in such a way that the monitor and other AV equipment affect each other adversely. (For example, if a disturbed image or noise due to electromagnetic interference occurs, or if the infrared remote control malfunctions, change the installation place.)

When installing the monitor on the supplied stand



When installing the monitor vertically

- Make sure to install the monitor in the direction illustrated below.
- You can change the position of the JVC logo plate. Remove the sealing sticker on the place for the logo plate and fix the plate with the screws.

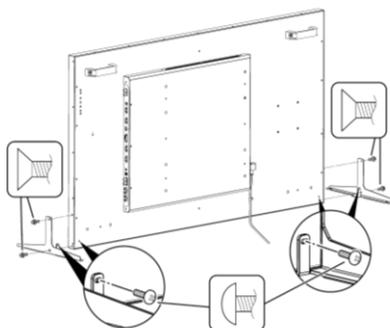


Installation (cont.)

How to attach the stand

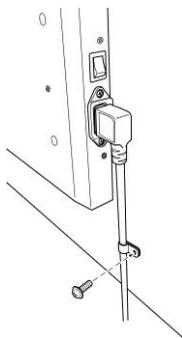
Fix the stands as illustrated using the supplied screws. Take care not to fix the stands to the wrong side (the foot must face inside).

- Improper use of stands may lead to damages on the floor or on the monitor, or may cause the monitor to topple over.



How to attach the power cord clamp

Fix the power cord clamp as illustrated using the supplied screws at the pointed hole.

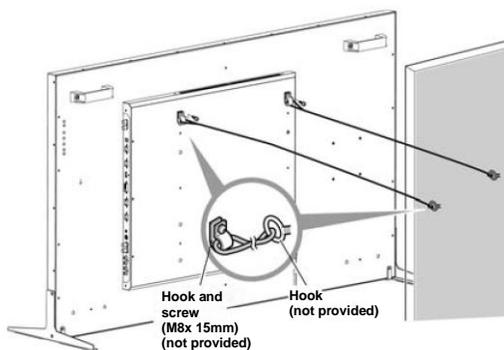


To prevent an accidental fall

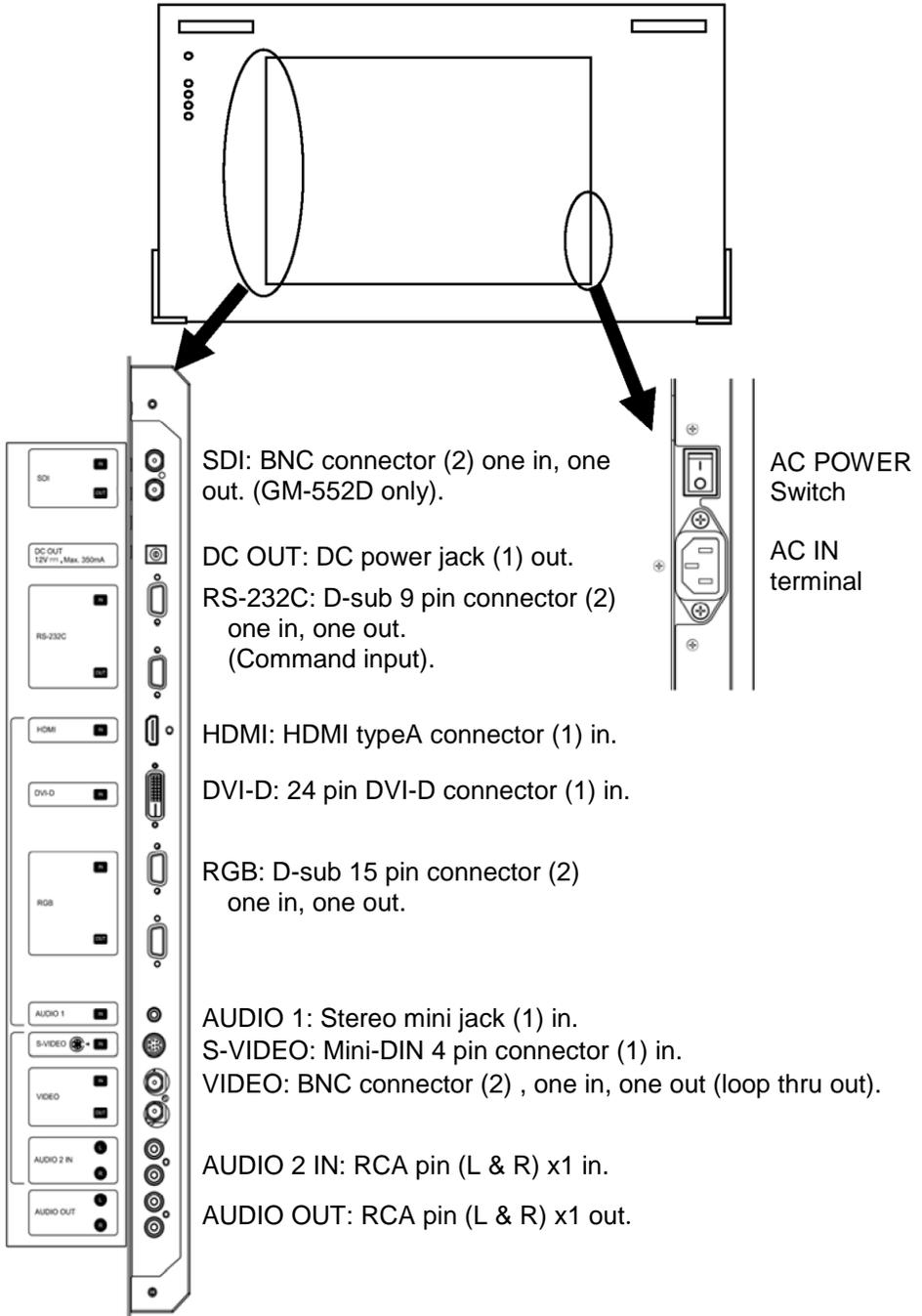
Fix the monitor to a wall by using strings.

Fixing the monitor

Attach the hook (not provided) to the rear panel using M8 x 15 mm screws (not provided). Bind the hooks on the rear panel of the monitor to a wall or a pillar using durable string. The holes on the base of the stand are also available to fix the monitor on the platform such as a table using screws (M8).



Connectors



Available Signals

	Signals	Status Display	VIDEO/ S-VIDEO	RGB	HDMI	SDI
V I D E O	NTSC	NTSC	✓			
	PAL	PAL	✓			
	SECAM	SECAM	✓			
	BW60	BW60	✓			
	BW50	BW50	✓			
	480/60i	720x480i				✓(SD)
	576/50i	720x576i				✓(SD)
	480/60i (pixel repetition)	720x480i			✓	
	576/50i (pixel repetition)	720x576i			✓	
	480/60p	720x480			✓	
	576/50p	720x576		✓	✓	
	720/60p	1280x720			✓	✓(HD)
	720/50p	1280x720			✓	✓(HD)
	720/30p	1280x720				✓(HD)
	720/25p	1280x720				✓(HD)
	720/24p	1280x720				✓(HD)
	1080/60i	1920x1080i			✓	✓(HD)
	1080/50i	1920x1080i			✓	✓(HD)
	1080/60p	1920x1080		✓	✓	✓(3G)
	1080/50p	1920x1080		✓	✓	✓(3G)
	1080/30p	1920x1080				✓(HD)
	1080/25p	1920x1080				✓(HD)
	1080/24p	1920x1080				✓(HD)
1080/30psF	1920x1080				✓(HD)	
1080/24psF	1920x1080				✓(HD)	
1080/25psF	1920x1080				✓(HD)	

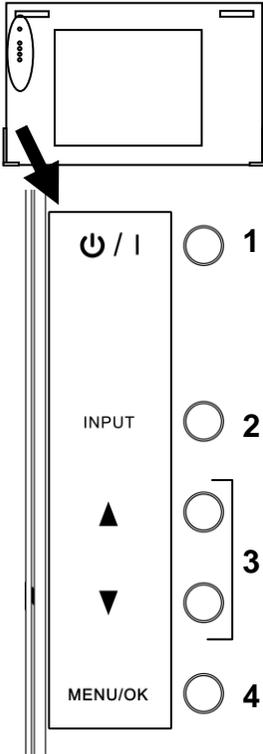
Available Signals (cont.)

	Signals	Status Display	Frequency		RGB	DVI-D	HDMI
			Horizontal (kHz)	Vertical (Hz)			
P C	640*400@56Hz	640x400	24.823	56.42	✓		
	640*400@70Hz	640x400	31.475	70.10	✓		
	640*480@60Hz	640x480	31.469	59.94	✓	✓	✓
	640*480@72Hz	640x480	37.861	72.81	✓		
	800*600@60Hz	800x600	37.879	60.32	✓	✓	✓
	1024*768@60Hz	1024x768	48.363	60.00	✓	✓	✓
	1024*768@70Hz	1024x768	56.476	70.07	✓		
	1024*768@75Hz	1024x768	60.023	75.03	✓		
	1024*768@85Hz	1024x768	68.667	85.00	✓		
	1280*720@60Hz	1280x720	44.820	60.00	✓	✓	✓
	1280*768@60Hz	1280x768	47.760	59.99	✓	✓	✓
	1360*768@60Hz	1360x768	47.396	60.02	✓	✓	✓
	1152*864@75Hz	1152x864	67.500	75.00	✓		
	1280*1024@60Hz	1280x1024	63.981	60.02	✓	✓	✓
	1400*1050@60Hz	1400x1050	64.744	59.95	✓	✓	✓
	1400*1050@60Hz	1400x1050	65.317	59.98	✓	✓	✓
1600*1200@60Hz	1600x1200	75.000	60.00	✓	✓	✓	

* Some signals may not be displayed normally even if its frequency is within the acceptable range.

* When the frequency of a non-registration signal is very near to a registration signal, displays the frequency of a registration signal on OSD.

Controls



1. Power Button

- Press the button to turn on or stand-by the monitor.

2. INPUT Button

- Press the button, displays "INPUT SELECT MENU". Select by INPUT button or UP / DOWN buttons, press MENU button.



GM-552



GM-552D

3. UP / DOWN Button

- Press UP button once time, displays "VOLUME MENU".



Adjusts the volume (00-100) by Up / DOWN button.

- Press DOWN button once time on VIDEO/S-VIDEO input, displays "(INFORMATION) FREEZE" and freeze the picture. Press any button, release a freeze.



- * By a scene, the motion picture may not still completely.

- Press DOWN button once time on RGB input, displays "(INFORMATION) AUTO ADJUST" and starts AUTO ADJUST.
- Press the buttons to scroll the cursor to desired item in OSD menu.



4. MENU / OK Button

- Press the button to pop-up the OSD main menu. The enter key as for function selected. Continue to press over 3 sec, displays "(INFORMATION) KEY LOCK" and becomes KEY-LOCK.
- Press over 3 sec again, displays "(INFORMATION) KEY UN-LOCK" and release KEY LOCK.



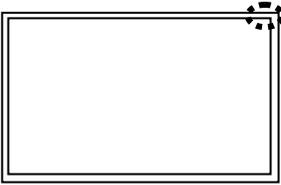
Remote Control



KEY	Comment	
OFF (POWER)	Stand-by	
ON (POWER)	Power on	
P.MODE *1	PICTURE mode changes. (USER→CCTV1→CCTV2→STUDIO→USER)	
PIP/PBP	PIP/PBP mode changes (OFF→PIP→PBP→OFF) refer to P.19	
ASPECT	Picture size changes refer to P.18 (FULL→REGULAR→REAL DOT→FULL)	
INPUT SELECT	VIDEO	VIDEO input signal displays.
	S-VIDEO	S-VIDEO input signal displays.
	RGB	RGB input signal displays.
	DVI	DVI input signal displays.
	HDMI	HDMI input signal displays.
	SDI	SDI input signal displays.
MUTING	AUDIO Mute on/ off	
+ (VOLUME)	Volume up	
- (VOLUME)	Volume down	
UP	Cursor moves UP VOLUME up (Refer to P.14 No.3)	
LEFT	Cursor moves Left	
MENU(OK)	MENU OSD display / OK	
RIGHT	Cursor moves Right	
DOWN	Cursor moves down VOLUME down /AUTO ADJUST (Refer to P.14 No.3)	
KEY LOCK	Lock/Unlock Control key and Remote control.	
DISPLAY	STATUS display on/off. (INPUT mode and SIGNAL informations)	
ID-OFF	Release the specified ID remote control. Refer to P.22 "ID number".	
ID-ON	Enter the specified ID remote control. Refer to P.22 "ID number".	
Numbers (0-9)	Select ID number directly.	

*1: Can't select by RGB, DVI, HDMI (DVI signal).

Indicators



LED identification

Unlit - Power off (AC POWER SW off or AC plug is not connected.)

Green - Power on

Orange - Power off (Stand by)

Flash Orange: POWER SAVING mode refer to P.23

Flash Green: Freeze status refer to P.14

OSD Menu

MAIN MENU

Press + or - to select an item, and then Press MENU to confirm the selection.

When finish the selection, close by EXIT menu.(To fix, must finish by EXIT menu.)

VIDEO/S-VIDEO/DVI/HDMI/SDI

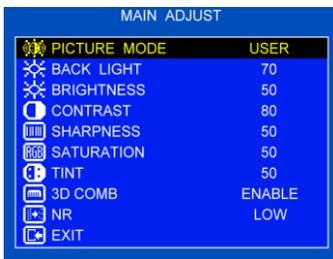


RGB

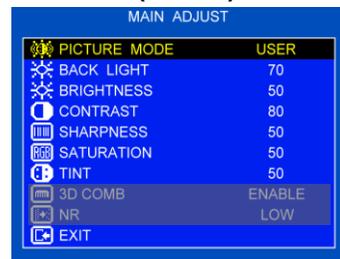


MAIN ADJUST

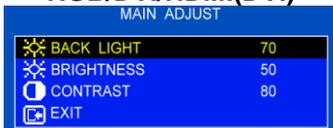
VIDEO/S-VIDEO



HDMI(VIDEO)/SDI



RGB/DVI/HDMI(DVI)



- 1.Press Up / Down buttons to select an icon
- 2.Press MENU button to enter
- 3.Press Up / Down buttons to adjust value
- 4.Press MENU button to return
- 5.Return to MAIN MENU by EXIT

OSD Menu (cont.)



PICTURE MODE : Select the PICTURE MODE.(USER/CCTV1/CCTV2/STUDIO)
USER : Available to adjust the picture setting.
CCTV1/CCTV2/STUDIO : Fixed value.



BACK LIGHT : Adjust the backlight value. (00 - 100)



BRIGHTNESS : Adjust the brightness value. (00 - 100)



CONTRAST : Adjust the contrast value. (00 - 100)



SHARPNESS : Adjust the sharpness value. (00 - 100)



SATURATION : Adjust the saturation value. (00 - 100)



TINT : Adjust the tint value. (00 - 100)



3D COMB : Select the 3D Comb filter status. (ENABLE / DISABLE)



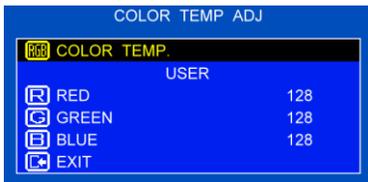
NR : Select the Noise reduction level. (OFF / LOW / HIGH)



EXIT : Press MENU button to return to the main menu.
(To fix, must finish by EXIT menu.)

COLOR TEMP ADJ

Set the color temperature of the LCD.



- 1.Press Up / Down buttons to select an icon
- 2.Press MENU button to enter
- 3.Press Up / Down buttons to adjust value
- 4.Press MENU button to return
- 5.Return to MAIN MENU by EXIT



COLOR TEMP. : Select the color temperature. (USER/6500/9300/11500)



RED : Adjust the “RED” value 00 - 255 for user mode.



GREEN : Adjust the “GREEN” value 00 - 255 for user mode.



BLUE : Adjust the “BLUE” value 00 - 255 for user mode.



EXIT : Press MENU button to return to the main menu.
(To fix, must finish by EXIT menu.)

OSD Menu (cont.)

ASPECT SETTING

Press MENU button to select the sub-menu.



1. Press Up / Down buttons to select an icon
2. Press MENU button to enter
3. Press Up / Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

 **ASPECT** : Select aspect mode. (FULL / REGULAR / REAL DOT)

FULL : Displays in full area.

REGULAR : Displays the regular size.

REAL DOT : Displays by the original resolution.

*When the resolution of input signal is bigger than the panel pixel, don't display.

 **EXIT** : Press MENU button to return to the main menu.

(To fix, must finish by EXIT menu.)

IMAGE ADJUST (RGB only)



1. Press Up/Down buttons to select an icon
2. Press MENU button to enter
3. Press Up/Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

AUTO ADJUST : Press MENU buttons to adjust automatically

H-Position, V-Position, Phase, Clock.

 **H- POSITION** : Adjust the “horizontal position” Value 00 - 100.

 **V- POSITION** : Adjust the “vertical position” Value 00 - 100.

 **PHASE** : Adjust the “PHASE” value 00 - 100.

 **CLOCK** : Adjust the “CLOCK” value 00 - 100.

 **EXIT** : Press MENU button to return to the main menu.

(To fix, must finish by EXIT menu.)

* May not be able to select value until 100 in a few kind of signals.

INFORMATION

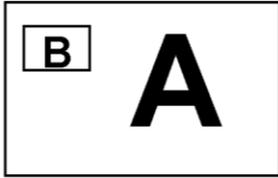
Press MENU button to get the timing information.



OSD Menu (cont.)

PIP / PBP SETTING

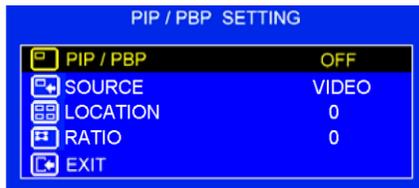
Displays the sub picture additionally on the main picture.



PIP(Picture in Picture)



PBP(Picture by Picture)



1. Press Up/Down buttons to select an icon
2. Press MENU button to enter
3. Press Up/Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

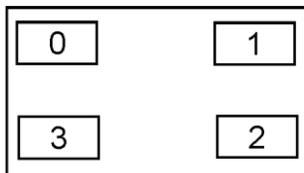
 **PIP/PBP** : Select the style of sub picture.(OFF/PI P/PBP)

 **SOURCE** : Select the sub picture input source.

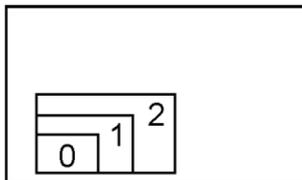
The combination of PIP and PBP is

1. Main screen is one of (RGB, DVI, HDMI, SDI) and PIP or PBP screen is one of (VIDEO, S-VIDEO).
2. Main screen is one of (VIDEO, S-VIDEO) and PIP or PBP screen is one of (RGB, DVI, HDMI, SDI).

 **LOCATION** : Select the "PIP LOCATION" value 0 - 3.



 **RATIO** : Select the "PIP size" value 0 - 2.



 **EXIT** : Press MENU button to return to the main menu.
(To fix, must finish by EXIT menu.)

OSD Menu (cont.)

LANGUAGE

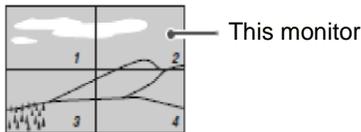


1. Press Up/Down buttons to select an icon
2. Press MENU button to enter
3. Return to MAIN MENU by EXIT

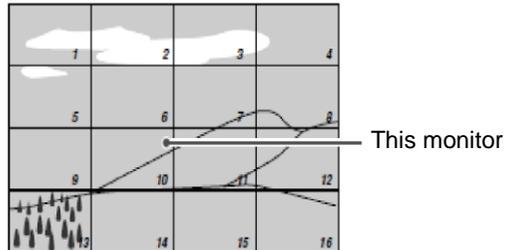
MULTI DISPLAY

Example of the Multi Display setting.

When "MULTI SIZE" is set to "2-2" and "MULTI POSITION" is set to "2".



When "MULTI SIZE" is set to "4-4" and "MULTI POSITION" is set to "10".



1. Press Up/Down buttons to select an icon
2. Press MENU button to enter
3. Press Up/Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

 **MULTI SIZE** : Select size (OFF/2x1/2x2/3x3/4x4/5x5).

 **MULTI POSITION** : Set the "MULTI POSITION" 01 - 25.

SEAMLESS : Look like seamless on Multi Display.(OFF/ON)

 **EXIT** : Press MENU button to return to the main menu.
(To fix, must finish by EXIT menu.)

OSD Menu (cont.)

AUDIO SETTING



Select SDI input (GD-552D only)

Select the others

1. Press Up / Down buttons to select an icon
2. Press MENU button to enter
3. Press Up / Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

VOLUME : Adjust the "VOLUME" value 00 - 100.

MUTING : Select the audio muting function ON/OFF.

HDMI AUDIO : Select HDMI AUDIO (DIGITAL/AUDIO1)

DIGITAL : Output the digital audio signal on HDMI.

AUDIO1 : Output the input signal of AUDIO1 (Stereo mini jack).

8CH SOURCE L / R : (GM-552D only)

Select each the output in SDI embedded audio channel.
(CH1 - CH8)

EXIT : Press MENU button to return to the main menu.

(To fix, must finish by EXIT menu.)

OSD Menu (cont.)

SETUP MENU



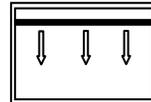
SETUP MENU	
OSD TIMER	15 sec
GREEN MODE	OFF min
IMAGE REFRESH	OFF
ECO SENSOR	OFF
ID NUMBER	01
SOURCE SEARCH	OFF
POWER SAVING	OFF
STATUS DISPLAY	ON
4HOURS SHUTDOWN	ON
EXIT	

1. Press Up/Down buttons to select an icon
2. Press MENU button to enter
3. Press Up/Down buttons to adjust value
4. Press MENU button to return
5. Return to MAIN MENU by EXIT

OSD TIMER : Adjust the "OSD TIMER" value 5 sec- 30 sec.

GREEN MODE : Select "GREEN MODE" function OFF/ 5 min - 10 min.
The Luminance of back-light reduce to 80 % after 5 min - 10 min.
Press any buttons, release GREEN MODE.

IMAGE REFRESH : Select "IMAGE REFRESH" function ON / OFF.
The horizontal black bar scrolls below
from the top every an hour.
This function will protect against the ghost.



ECO SENSOR : Select "ECO SENSOR" function ON / OFF.
Adjust the brightness of the screen automatically according to the
brightness of the room.
*When select ECO SENSOR, GREEN MODE become to OFF.

ID NUMBER : Select "ID NUMBER " 01 - 99".
This number is used by the specified adjustment with IR remote control.
Can control a only target monitor in many monitors..
*Example for using the specified adjustment with IR remote control.

1. Set ID number "05" in this menu.
2. Press "ID-ON" by IR remote control.
ID number "ID: 05" displays on blue back color.
You can't operate remote control except number button in this time.
3. Press button "0" + "5" + "MENU" by IR remote control.
Back color of ID number changes orange. In this time, can operate
usually by remote control. Press the other number, can't operate and
back color become blue.
4. If press "ID-OFF", release the specified adjustment.

OSD Menu (cont.)



SOURCE SEARCH : Select "SOURCE SEARCH" function ON / OFF.
When no signal is coming in, search for the other input signal.



POWER SAVING : Select "POWER SAVING" function ON / OFF.

VIDEO / S-VIDEO / RGB / DVI / HDMI

- When no signal is come in, become "POWER SAVING mode" after about 10 sec. LED indicator is flashing orange.
When the signal is recovered, release "POWER SAVING" mode.
- If wish release "POWER SAVING" mode by no signal, press POWER button, INPUT SELECT button or REMOCON 's POWER ON button.

SDI

- When no signal is come in, become "Stand-by mode" after about 10 sec. LED indicator is orange.



STATUS DISPLAY : Displays status on LEFT-UPPER when turn on or change input signal.



4HOUR SHUTDOWN :

Set the monitor to turn into Stand-by mode when no operation status continues for about 4 hours.
In case of continue to use over 4 hour, change to "OFF".



EXIT : Press MENU button to return to the main menu.
(To fix, must finish by EXIT menu.)

RECALL

Becomes default condition by the same input signal.

How to use External Control (RS-232C)

How to use the serial communication

- Can control a monitor with the external control equipment (a personal computer or a dedicated controller) via the RS-232C terminal.
- Consult your dealer for the details of the external control specification.

<Communication specifications>

Input terminal	Cable	Terminal specification	Communication specifications
RS-232C	A straight cable with a RS-232C connector (male for the monitor, female for the external control equipment).	See P.29	Baud Rate: 4800 bps Data Bits: 8 bits Parity: No parity Stop Bits: 1 bit Flow Control: No control Communication Code: ASCII Code

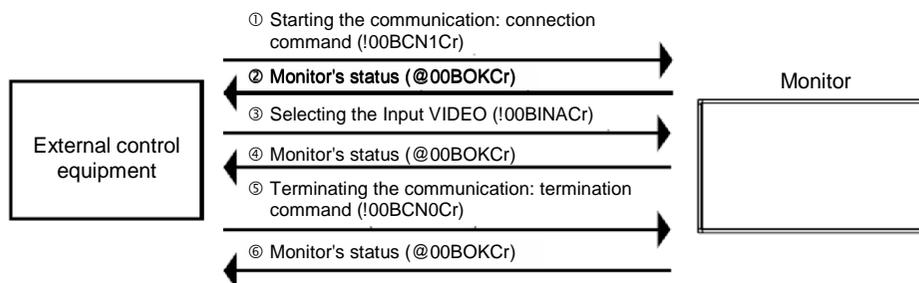
<Command outline>

When the monitor is turned on, the external control is not ready.

To start communication, send the connection command from the external control equipment.

To terminate the communication, send the termination command from the external control equipment.

Example of communication procedures:



* Commands starting with “!” are operation commands from the external control equipment. For details, see <Basic command list> on the right.

* Commands starting with “@” are status returns from the monitor.

How to use External Control (RS-232C) (cont.)

<Basic command list>

No.	Commands	Functions	Data
1*	! ** B C N 1 Cr	Starts communication(connection)	No data
2*	! ** B C N 0 Cr	Terminates communication (termination)	No data
3	! 00 B I D S E T x x Cr	Assigns the control ID	01-99
4	! ** B I D R E T Cr	Initializes the control ID	No data
5	! ** B I D D S P x x Cr	Displays/hides the ID	00: Hide, 01: Display
6	! ** B I D C H K x x Cr	Flashes/hides the selected ID No. of the monitor	00: Hide, 01: Flash
7	! ** B M E N U Cr	Displays the MAIN MENU/Quits the menu operation	No data
8	! ** B U P Cr	Moves the cursor upward (▲)	No data
9	! ** B D O W N Cr	Moves the cursor downward (▼)	No data
10	! ** B A D J R Cr	Makes setting/adjustment (▶)	No data
11	! ** B A D J L Cr	Makes setting/adjustment (◀)	No data
12	! ** B S E T U P Cr	Displays the SET-UP MENU	No data
13*	! ** B P W 1 Cr	Turns on the monitor	No data
14	! ** B P W 0 Cr	Turns off the monitor	No data
15	! ** B I N A Cr	Selects Input VIDEO	No data
16	! ** B I N B Cr	Selects Input RGB	No data
17	! ** B I N C Cr	Selects Input DVI	No data
18	! ** B I N D Cr	Selects Input S-VIDEO	No data
19	! ** B I N E Cr	Selects Input HDMI	No data
20	! ** B I N F Cr	Selects Input SDI	No data
21	! ** B D I S P Cr	Displays the status	No data
22	! ** B V P L S Cr	Turns the volume up	No data
23	! ** B V M N S Cr	Turns the volume down	No data
24	! ** B V O L x x Cr	Adjusts the volume	00-100
25	! ** B A M U T E x x Cr	Turns muting on/off	00: Off, 01: On
26	! ** B A S P T Cr	Changes the aspect ratio	No data
27	! ** B P I C M O D x x Cr	Selects the picture mode	00: ----- 01: ----- 02: USER 03: CCTV1 04: CCTV2 05: STUDIO
28	! ** B P I P P B P x x Cr	Selects the sub picture display	00: Off 01: PIP 02: PBP

- These commands can be used while the monitor is on standby.
- "*" substitutes the ID number of the monitor. The initial setting is "00". When 2 or more monitors are connected and controlled, the commands for the ID "00" controls all the monitors.
- Enter the appropriate data to "x", "xx" or "xxx."
- "Cr" is 0Dh.

Specifications

MODEL NAME	GM-552 / GM-552D	
TYPE	LCD DISPLAY MONITOR	
Screen Size	54.6 (inch)	
LCD Panel	TFT active matrix	
Effective screen size	1209.6 mm (47 5/8") (H) x 680.4 mm (25 3/4") (V)	
Resolution	1920x1080	
Pixel Pitch	0.21 mm(H) x 0.63 mm(W)	
Panel brightness(TYP.)	450 cd/m ²	
Contrast ratio(TYP.)	4000:1	
Aspect ratio	16:9	
Viewing angle(TYP.)	178° (Horizontally) / 178° (Vertically)	
Display color	1073.7 million	
Response time(G to G)	6.5 msec	
Audio output	1.5 W+1.5 W (nominal)	
Weight	32.3 kg (71.1 lbs) (with the stand) 31.4 kg (69.1 lbs) (without the stand)	
External dimensions	(with the stand)	(without the stand)
	Width: 1272.6 mm (50 1/8")	1266.6 mm (49 7/8")
	Height: 745.5 mm (29 3/8")	741.4 mm (29 1/4")
	Depth: 360.0 mm (14 1/4")	75.7 mm (3")
Power requirements	AC 100 V - 240 V, 50 Hz-60 Hz	
Rated input current	1.8 A	
Operating conditions	Temperature: Operating: 0 °C to + 40 °C Storage: -20 °C to + 60 °C Humidity: Operating: 20 % to 85 % (non-condensing) Storage: 10 % to 95 %	

Accessories :

- Remote Control (RM-C3700) x 1
- Batteries (AAA) x 2
- Power Cord 1.8 m x 2 (continental & UK for Europe model)
1.8 m x 1 (for US model)
- Power cord clamp x 1
 - with Screw (M3 x 10 mm) x 1
- Stand Unit Stand x 2
 - with Screws (Flat head M4 x 12 mm) x 4
 - Screws (Truss head M4 x 12 mm) x 2
- Covering sticker x 1

Specifications(cont.)

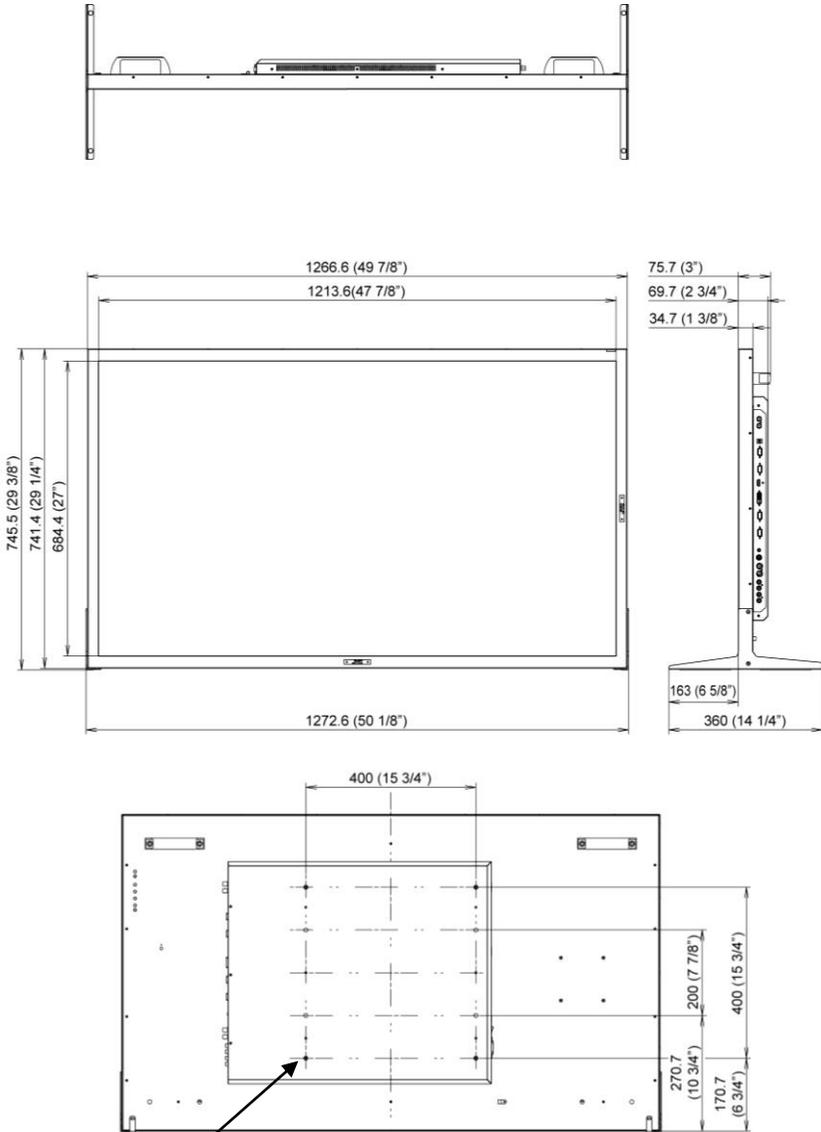
Signal Characteristics

VIDEO	:	1.0 V(p-p), automatic switching from 75 Ω unbalanced termination to Hi-Z with loop-through operation.
S-VIDEO	Y	: 1.0 V(p-p) 75 Ω unbalanced termination.
	C	: Burst level
		NTSC 0.286V(p-p) 75 Ω unbalanced termination.
		PAL/SECAM 0.3 V(p-p) 75 Ω unbalanced termination.
RGB	R,G, B	: 0.7 V(p-p) 75 Ω unbalanced termination.
	SYNC	: TTL (positive/negative)
DVI-D	:	DVI-D signal
HDMI	:	HDMI signal
SDI(GM-552D Only)	:	(3G-SDI) SMPTE424M / SMPTE425M LEVEL A-1 (HD-SDI) BTA S004C / SMPTE292M (SD-SDI) ITU-R BT.656 / SMPTE259M (EMBEDDED AUDIO) SMPTE299M / SMPTE272M
Analog AUDIO	:	500 mV(rms).
RS232C	:	"How to use the serial communication" on page 24.
DC OUT	:	DC +12 V output Max. 350 mA

- For easy understanding, pictures and illustrations are shown by being emphasized, omitted or composed, and may be slightly different from actual products.
- Design and specifications are subject to change without notice.
- All company names and product names mentioned herein are used for identification purposes only, and may be the trademarks or registered trademarks of their respective companies.
- HDMI, the HDMI Logo, and High - Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Specifications(cont.)

Dimensions



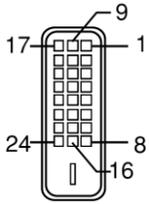
Screw size: 8-M8, depth:15 mm
(VESA standard)

[Unit:mm(inch)]

Specifications(cont.)

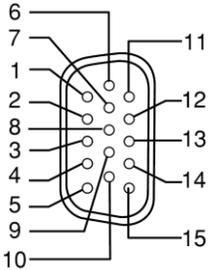
Specification of Terminals

Specifications of the DVI-D terminal



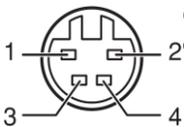
Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
1	T.M.D.S Data 2-	9	T.M.D.S Data 1-	17	T.M.D.S Data 0-
2	T.M.D.S Data 2+	10	T.M.D.S Data 1 +	18	T.M.D.S Data 0+
3	T.M.D.S Data 2/4 shield	11	T.M.D.S Data 1/3 shield	19	T.M.D.S Data 0/5 shield
4	NC	12	NC	20	NC
6	NC	13	NC	21	NC
6	DDC Clock	14	+5 V Power	22	T.M.D.S Clock shield
7	DDC Data	IS	GND	23	T.M.D.S Clock+
8	NC	16	Hot Plug Detect	24	T.M.D.S Clock-

Specifications of the RGB IN terminal



Pin No.	Signal name	Pin No.	Signal name
1	Red	9	+5 V
2	Green	10	GND
3	Blue	11	GND
A	—	12	DDC Data
5	GND	13	HD
6	GND	14	VD
7	GND	15	DDC Clock
8	GND	External	GND

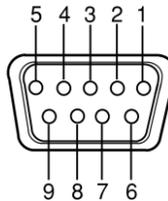
Specifications of the Y/C terminal



Connect it to the S-video output terminal.

Pin No.	Input signal
1	GND (Y)
2	GND (C)
3	Y
4	C

Specifications of the RS-232C terminal



This is a female terminal.

Pin No.	Signal
1	—
2	RD (Receive Data)
3	TD (Transmit Data)
A	
5	GND (Ground)
6	—
7	RTS
8	CTS
9	—

- The 7th terminal and the 8th terminal are connected.

Trouble Shooting

Solutions to common problems related to the monitor are described here. If none of the solutions presented here solves the problem, unplug the monitor and consult an authorized dealer or service center.

Symptom	Probable cause and corrective action	Page
No power supply	<ul style="list-style-type: none"> Firmly insert the AC power plug. 	11
No picture with the power on	<ul style="list-style-type: none"> Select the correct input with INPUT SELECT buttons. Connect the signal cable firmly. Turn on the power of the connected component and set the output correctly. Check if the input signal format is acceptable on the monitor. 	11,12 13,14
No sound	<ul style="list-style-type: none"> Adjust the volume level. Select MUTING OFF by AUDIO SETTING menu or Press MUTING button on REMOCON. Connect the signal cable firmly. Turn on the power of the connected component and set the output correctly. 	15,21
“NO SYNC” appears.	<ul style="list-style-type: none"> Select the correct input with INPUT SELECT buttons. Connect the signal cable firmly. Turn on the power of the connected output video signals. Or, check if the video output of the component (video output setting of the VCR or graphic board of the computer) is set correctly. 	11
Wrong color	<ul style="list-style-type: none"> Adjust the items of “COLOR TEMP ADJ.”. 	17
The picture becomes blurred.	<ul style="list-style-type: none"> Adjust the picture contrast or brightness by using the adjustment buttons on the front panel. 	17
Buttons on the monitor do not work.	<ul style="list-style-type: none"> Set “KEY UN-LOCK” in OSD MENU or push KEY LOCK on REMOTE CONTROL. 	14,15

Note

JVC