

AUTO-SCANNING WITH DIGITAL CONTROL COLOR DISPLAY MONITOR

Diamond Pro 2040u

MODEL **NSB1107STTUW** USER'S GUIDE



For future reference, record the serial number of your display monitor in the space below:_____

SERIAL No. The serial number is located on the rear cover of the monitor. Internet Home Page: http://www.mitsubishi-display.com/

Supplying Windows[®] 95/98 INF File download service, new product information, etc.

CONTENTS

ENGLISH

1.	INTRODUCTION	6
	1.1 Features	6
	1.2 Internal Preset Memory Capability	7
	1.3 Power Management Function	7
	1.4 DDC	7
	1.5 Location Considerations	7
	1.6 Cleaning Your Monitor	7
	1.7 Unpacking	8
	1.8 Tilt/Swivel Base	8
	Screen Position Adjustment	8
	1.9 Quick Operation Chart	8
2.	PART NAME	9
	2.1 Control Names	9
	2.2 Function	9
3.	INSTALLATION AND CONNECTION	10
	3.1 AC Power Connection	10
	3.2 Signal Cable Connection	10
	3.2.1 Connecting to any IBM VGA Compatible	
	System	10
	3.2.2 Connecting to an Apple Macintosh	
	Computer	10
	3.2.3 Connecting to a Unix Workstation &	
	Third Party Graphics Card	10
	3.2.4 BNC Connection	11
	3.3 USB System Basic Application	11
	3.4 Installation of USB Function	12
4.	OSD(On Screen Display) FUNCTIONS	14
	4.1 How to adjust the screen	14
	4.2 Adjustment Items	15
5.	TROUBLESHOOTING	19
6.	SPECIFICATIONS	21
7.	APPENDIX	22
	7.1 Monitor Signal Input Connector (DB9-15P)	22
	7.2 SC-B104 Signal Cable	22
	7.3 Optional Macintosh Adapter AD-A205 settings .	22

CAUTION

The power cord provided with this monitor is designed for safety and must be used with a properly grounded outlet to avoid possible electrical shock.

Do not remove the monitor cabinet as this can expose you to very high voltages and other hazards.

MANUFACTURER DECLARATION FOR CE-MARK-ING:

We, Mitsubishi Electric Corp., declare under our sole responsibility, that this product is in conformity with the following standards:

EN60950 EN55022 Class B EN50082-1 EN61000-3-2 EN61000-3-3 following the provisions of: 73/23/EEC Low Voltage Directive 89/336/EEC EMC Directive

WARNING!

This product is not designed for use in life support devices and Mitsubishi Electric corporation makes no representations to the contrary. Life support devices are those devices which are used to measure, diagnose, or evaluate the tissue, systems or functions of the human body; or other devices employed to support or sustain life or good health.

Trademark

IBM, PC, PS/2, PS/V, Personal System/2 are registered trademarks of International Business Machines Corp.

Apple Macintosh is a registered trademark of Apple Computer, Inc. Quadra is a trademark of Apple Computer, Inc.

UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited. ENERGY STAR is a U.S. registered mark.

RADIO INTERFERENCE REGULATIONS STATE-MENT FOR U.S.A.

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.

THIS PRODUCT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS WITH SIGNAL CABLE SC-B104. USE IT TO REDUCE THE POSSI-BILITY OF CAUSING INTERFERENCE TO RADIO, TELEVISION, AND OTHER ELECTRIC DEVICES. NO USER SERVICEABLE PARTS INSIDE. DO NOT ATTEMPT TO MODIFY THIS EQUIPMENT. IF MODIFIED, YOUR AUTHORITY TO OPERATE THIS EQUIPMENT MIGHT BE VOIDED BY FCC.

Declaration of Conformity - United States only

Product Name: 22 in. (55cm) Color Display Monitor Type: NSB1107STTUW Brand Name: MITSUBISHI

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding this declaration, contact: Mitsubishi Electronics America, Inc. 5665 Plaza Drive, P.O. Box 6007, Cypress, California 90630-0007 or. call

714-220-2500

To identify this product, refer to the model number found on the product.

As an ENERGY STAR Partner, Mitsubishi Electric Corporation has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

高調波ガイドライン適合品

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI)の基準に基づくクラスB情報技術装置です。この装置 は、家庭環境で使用することを目的としていますが、この装 置がラジオやテレビジョン受信機に近接して使用されると、 受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをしてください。



Energy 2000 Labeling Award



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

What does labelling involve?

This product meets the requirements for the TCO'99 scheme which provides for international and environmental labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: environment, ergonomics, usability, emission of electric and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability. Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development

SE-114 94 Stockholm, Sweden Fax: +46 8 782 92 07 Email (Internet): development@tco.se Current information regarding TCO'99 approved and labelled products may also be obtained via the Internet, using the address: http://www.tco-info.com/

Environmental requirements

Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chloride, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chloride and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

Cadmium*'

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit.

CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

Lead

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO '99 requirement permits the inclusion of lead since no replacement has yet been developed.

- Bio-accumulative is defined as substances which accumulate within living organisms
- " Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.

1 INTRODUCTION

Congratulations on your purchase of the high resolution color monitor. We designed this monitor to provide you with years of reliable trouble-free operation.

This guide tells you how to connect, adjust and care for your monitor. This guide also provides technical specifications and instructions for troubleshooting any basic problems you may experience with your monitor.

1.1 Features

This monitor is a 55cm/22"(51cm/20" Diagonal Viewable Image) intelligent, microprocessor-based monitor compatible with most analog RGB (Red, Green, Blue) display standards.

It provides crisp text and vivid color graphics with both PC and Macintosh platforms.

- The monitor's wide auto-scanning compatibility range makes it possible to upgrade video cards or software without purchasing a new monitor.
- Digitally controlled auto-scanning is done using an internal microprocessor, for horizontal scan frequencies between 30kHz and 121kHz, and vertical scan frequencies between 50Hz and 160Hz. The microprocessor-based intelligence allows the monitor to operate in each frequency mode with the precision of a fixed frequency monitor.
- The monitor contains resident memory for pre-programmed screen display standards and is also capable of storing additional user adjustment parameters.
- The monitor is capable of producing a non-interlaced maximum addressable resolution format of 2048 dots x 1536 lines. This display is well suited for windowing environments.
- Because of the analog signal inputs, the monitor can display an unlimited palette of colors that can be manually adjusted to suit your specific needs.
- The monitor has a power management function accorded to VESA[™]-DPMS[™]-standard. To save energy, the monitor must be connected to a system compliant with the VESA[™] -DPMS[™]-standard. (Refer to your computer and/or video card instructions for proper operation.)
- To ensure ease of installation and ongoing use, the monitor features On Screen Display (OSD) of all monitor set-up and adjustment functions.
- For use in a variety of applications, the monitor complies with UL 1950, CSA C22.2 No.950 and EN60950 for safety, FCC Class-B, VCCI Class-B and EN55022 Class-B for EMI, MPR-II, ISO 9241-3, ISO9241-7 and ISO9241-8 for ergonomics. The monitor also complies with TCO'99 guideline for environmental safe use.
- The world's standard DIAMONDTRON NF CRT upgraded and pure picture images.

- The monitor complies with Video Electronics Standards Association (VESA[™]) DDC[™]1/2B(EDID) specification.
 If your computer is Plug & Play compliant setup will be done automatically.
- Fine 0.24mm aparture grille pitch/Maximum addressable resolution of 2048 x 1536.
- USB self-powered hub with 2 upstream ports and 3 downstream ports.

1.2 Internal Preset Memory Capability

To minimize adjustment needs, the factory has preset popular display standards into the monitor, as shown in Table 1. If any of these display standards are detected, the picture size and position are automatically adjusted. All of the factory presets may be overwritten by adjusting the user controls. This monitor is capable of automatically storing up to 15 additional display standards. The new display information must differ from any of the existing display standards by at least 1kHz for the horizontal scan frequency or 1Hz for the vertical scan frequency or the sync signal polarities must be different.

Table 1. M	emory Buffer	Factory P	resets
------------	--------------	-----------	--------

F	PRESET					Pola	arity
	TIN	lING		Fh(kHz)	Fv (Hz)	Н	V
640	х	480	N.I.	31.5	60.0	Ι	-
800	х	600	N.I.	53.7	85.1	+	+
1024	х	768	N.I.	60.0	75.0	+	+
1024	х	768	N.I.	68.7	85.0	+	+
1152	х	870	N.I.	68.7	75.1	-	-
1280	х	1024	N.I.	80.0	75.0	+	+
1280	х	1024	N.I.	91.1	85.0	+	+
1600	х	1200	N.I.	93.8	75.0	+	+
1600	х	1200	N.I.	106.3	85.0	+	+
1920	х	1440	N.I.	112.5	75.0	-	+
1800	х	1350	N.I.	120.4	85.0	-	_

1.3 Power Management Function

The monitor has a power management function which reduces the power consumption of the monitor when not in use. There are three reduced power level modes. Power saving modes are invoked by a VESA DPMScompliant computer. Check your computer's manual for setting this function.

Mode	Power(With no USB operation)	Power-On Indicator
Normal	155 W	Green
Stand-By	≦15 W	Amber
Suspend	≦15 W	Amber
Off	≦ 3W	Amber

1.4 DDC

The monitor includes the VESA $DDC^{TM}1$ and $DDC^{TM}2B$ feature. DDC (Display Data Channel) is a communication channel over which the monitor automatically informs the computer system about its capabilities (e.g. each supported resolution with its corresponding timing).

DDC is routed through previously unused pins of the 15-pin VGA connector.

The system will "Plug and Play" if both monitor and computer implement the DDC protocol.

ΝΟΤΕ

Plug & Play does not operate when BNC inputs are used.

1.5 Location Considerations

When setting up and using the monitor, keep the following in mind:

- For optimum viewing, avoid placing the monitor against a bright background or where sunlight or other light sources may reflect on the display area of the monitor. Place the monitor just below eye level.
- Place the monitor away from strong magnetic or electromagnetic fields, such as high capacity transformers, electric motors, large current power lines, steel pillars, etc....
 Magnetism can cause distortion in the picture and/or

color purity.

- Avoid covering the slots or openings of the monitor. Allow adequate ventilation around the monitor so the heat from the monitor can properly dissipate. Avoid putting the monitor into any enclosure that does not have adequate ventilation.
- Avoid exposing the monitor to rain, excessive moisture, or dust, as this can cause a fire or shock hazard.
- Avoid placing the monitor, or any other heavy object, on the power cord. Damage to the power cord can cause a fire or electrical shock.
- When transporting the monitor, handle it with care.

1.6 Cleaning Your Monitor

When cleaning the monitor, please follow these guidelines:

- Always unplug the monitor before cleaning.
- Wipe the screen and cabinet front and sides with a soft cloth.
- If the screen requires more than dusting, apply a household window cleaner to a soft cloth to clean the monitor screen.

CAUTION

- Do not use benzene, thinner or any volatile substances to clean the unit as the finish may be permanently marked.
- Never leave the monitor in contact with rubber or vinyl for an extended time period.
- Do not spray directly on the screen as cleaner may drip into the monitor and damage the circuitry.
- Never use an abrasive cleaner on the screen surface as this will damage the anti-reflection coating.

1.7 Unpacking

After you unpack the box you should have all of the items indicated in Figure 1. Save the box and packing materials in case you transport the monitor. Complete and mail in warranty cards.



Figure 1.

- 1. Color Monitor
- 2. AC Power Cord
- (this document)

4. User's Guide

- 3. Signal Cable SC-B104
- 5. Warranty-Card
- 6. Questionnaire-Card
- 1.8 Tilt/Swivel Base

The monitor comes with a tilt/swivel base. This enables you to position the monitor at the best angle and tilt for maximum viewing comfort.

Screen Position Adjustment

Adjust the tilt and rotation of the monitor by placing your hands at opposite sides of the case. You can adjust the monitor 90 degrees right or left, 10 degrees up or 5 degrees down, as shown below.



CAUTION

Keep your fingers away from the pivot area of the tilt/swivel base.

1.9 Quick Operation Chart

To summarize the steps in connecting your computer with the color monitor and setting the necessary controls and switches, refer to the chart below.



2 PART NAME

2.1 Control Names

See Figures 3 and 4 for the location of the user controls, indicator and connectors.

Each part is identified by number and is described individually.





Figure 3

2.2 Function

- 1. **POWER SWITCH:** A push-on / push-off switch for AC power.
- POWER-ON INDICATOR: This indicator illuminates green when AC power is on, and illuminates amber when the monitor is in the power management modes.
- 3. INPUT CONNECTOR SELECT/OSD OFF BUTTON:
 - Without OSD screen, push to select the signal input connector, BNC or D-SUB.
- With OSD screen, push to turn the OSD screen off.

If only one input is used, the monitor will select it automatically.

- 4. DOWN BUTTON: Push to select group icon.
- 5. ITEM SELECT BUTTON: Push to select the item icon.
- 6. **FUNCTION ADJUST BUTTONS:** Push the adjust buttons to adjust the image on the screen.
- 7. **USB DOWNSTREAM PORT:** To connect to USB equipped peripherals, e.g, USB camera, keyboard, printer, etc.

REAR



8. AC POWER CONNECTOR

9. SIGNAL INPUT CONNECTOR (DB9-15P)

10. SIGNAL INPUT CONNECTORS (BNC)

- 11. **USB UPSTREAM PORTS:** To connect to USB equipped computer(s).
- 12. **USB DOWNSTREAM PORTS:** To connect to USB equipped peripherals, e.g, USB camera, keyboard, printer, etc.

3 INSTALLATION AND CONNECTION

On the back of the monitor four kinds of plug-in connections are provided: AC power connector for the AC input, DB9-15P connector and BNC connector for video signal input and USB ports for USB communication.

3.1 AC Power Connection

One end of the AC power cord is connected to the AC power connector on the back of the monitor. The other end is plugged into a properly grounded three-prong AC outlet. The monitor's auto-sensing power supply can automatically detect 100-120V AC or 220-240V AC and 50 or 60Hz.

3.2 Signal Cable Connection

The DB9-15P(VGA) connector is provided for compatible analog RGB outputs from your computer. Apple Macintosh computers can also be interfaced with using the optional Mitsubishi Macintosh adapter AD-A205.

3.2.1 Connecting to Any IBM VGA Compatible System

Figure 5 shows the SC-B104 cable connection to the Video Graphics Array (VGA) port in an IBM Personal System/2[®] series, or any VGA compatible system.

- 1. Power off, both the monitor and the computer.
- 2. Connect the one end of the SC-B104 cable to the DB9-15P connector on the VGA controller card.
- 3. Connect the other end of the SC-B104 cable to the DB9-15P receptacle on the back of the monitor.
- 4. Power on the monitor, then the computer.
- 5. After using the system, power off the monitor, then the computer.





CAUTION

The socket-outlet shall be installed near the equipment and shall be easily accessible. During servicing, disconnect the plug from the socket-outlet.

Méme si le moniteur est mis hors tension il reste toujours alimenté. La prise secteur devrait ainsi ètre facilement accssible en cas d'urgence.

3.2.2 Connecting to An Apple Macintosh Computer

Figure 6 shows the SC-B104 cable and AD-A205 Adapter(option) to the video port in an Apple Macintosh.

For Macintosh Adapter AD-A205, contact your dealer.

- 1. Power off, both the monitor and the computer.
- Set the DIP switches of Macintosh Adapter according to the setting chart. (See Section 7.3 Optional Macintosh Adapter AD-A205 settings)
- 3. Connect the 15-pin (DB-15P) end of the AD-A205 Adapter to the straight 15-pin connector on the Macintosh video port on the computer or on the video board.
- 4. Connect the sub-miniature 15-pin (DB9-15P) end of the AD-A205 Adapter to the SC-B104 cable.
- 5. Connect the other end of the SC-B104 cable to the DB9-15P receptacle on the back of the monitor.
- 6. Power on the monitor, then the Macintosh.
- 7. After using the system, power off the monitor, then the Macintosh.



ΝΟΤΕ

- For the Apple Macintosh Computers having a VGA compatible port, steps 2 through 4 are not necessary. Connect the end of the signal cable to the port directly.
- In case of Apple Macintosh G3 series, use "Control Panel" of "Apple Menu" when selecting a resolution. If select the resolution from "Control Bar", no screen may be displayed and the computer may freeze.

3.2.3 Connecting to a Unix Workstation & Third Party Graphics Card

Figure 7 shows the SC-B104 or 75 coaxial cable (not supplied) connection to the graphics video card (PC-CAD and workstation).

- 1. Power off, both the monitor and the computer.
- Connect one end of the SC-B104 cable or the 75 coaxial cable to the output connector on the computer, or on the video board.
- Connect the other end of the SC-B104 cable or the 75 coaxial cable to the DB9-15P receptacle or the BNC receptacles on the back of the monitor.
- 4. Power on the monitor, then the computer.
- 5. After using the system, power off the monitor, then the computer.



Figure 7

3.3 USB System Basic Application

3.2.4 BNC Connection

—'

(1) COMPOSITE SYNC ON GREEN VIDEO SIGNAL (3 wires):

Connect the R, G and B video signals to the BNC connectors on the back of the monitor.



(2) EXTERNAL COMPOSITE SYNC SIGNAL(4 wires): Connect the R, G and B video signals and the Composite sync signal to BNC connectors on rear panel, respectively.



(3) SEPARATE HORIZONTAL AND VERTICAL SYNC SIGNALS (5 wires):

Connect the R, G and B video signals and the horizontal and vertical sync signals to the BNC connectors on the rear panel.





The computer is required to have Windows[®] 98 or later installed and USB functions.

When connecting one computer, either Upstream port A or B is available. The Upstream port is automatically matched with the active video input.

3.4 Installation of USB Function

The following procedure permits your computer to recognize or "enumerate"(A USB term) the Mitsubishi USB HUB.

- 1. Power on the display monitor and then the computer.
- 2. Start "Enumeration" from the Windows® Desktop.

ΝΟΤΕ

- During the enumeration of Mitsubishi USB Hub, connect the keyboard and mouse, to the computer and not to the downstream ports on the display monitor. After the enumeration, the keyboard and mouse can be used by connecting to the downstream ports, if they are USBcompliant.
- Do not unplug the USB cable during the enumerations.
- (1) Connect the computer and the display monitor with an USB cable. Figure 8 will appear.
- (2) Click "Next" on Figure 8 to get Figure 9.
- (3) Click "Finish" on Figure 9 to complete the enumeration of Mitsubishi USB HUB.



Figure 8



Figure 9

You can confirm that "Mitsubishi USB HUB" is successfully enumerated with the following method.

 Open "Device Manager" tab in "System" property under "Control Panel". Confirm that "Generic USB HUB" is listed in "Universal Serial Bus Controller". If you can't confirm it, re-enumerate "Mitsubishi USB HUB" again by following (a) or (b).

- (a) Disconnect and connect the USB cable to the upstream port of the display monitor.
- (b) Cycle power of the display monitor off then on.

ΝΟΤΕ

If the mark ① appears with "Generic USB HUB", then enumeration was unsuccessful. Select "Generic USB HUB" marked with ① mark and click "Remove" and "Refresh". After that, the enumeration is automatically started.

ΝΟΤΕ

The enumeration of USB HUB may be necessary for each USB port on the computer.

	Display adapters Flappy disk controllers
	Hard disk controllers
	Human Interface Devices
由禮	Keyboard
i∎•i∎	Monitors
0-5	Mouse
白眼	Network adapters
الاراق	Pots (COM & LPT)
由魏	Sound, video and game controllets
由團	System devices
a ॡ	Universal serial bus controller
- F	Centeric USB Hilds
-	USB Root Hub
	VIA VT83C572/VT82C586 PCI to US8 Universal Host Cod

Figure 10

- Enumerate the Mitsubishi Monitor Function which permits Monitor Control(height, width, rotation, etc) via USB, using the following procedure.
- (1) Insert Windows[®] 98 CD-ROM into your computer. Then, Figure 11 will appear.

Add New Hardware	Witterd
	This wizard searches for new drivers for
	USB Human Interface Device
	A device driver is a software program that makes a hardware device work.
8 *	
	<gack ned=""> Cancel</gack>

Figure 11

(2) Click "Next" on Figure 11 and Figure 12 will appear.



Figure 12

(3) Click "Next" on Figure 12 and Figure 13 will appear.



Figure 13

(4) Click "CD-ROM Drive(C)", and click "Next". Figure 14 will appear.



Figure 14

(5) Click "Finish" on Figure 14 and Figure 15 will appear. Click "OK" on Figure 15 to complete Enumeration of Mitsubishi Monitor Function.

Add New Hardware Waard USB Human Interface Device USB Human Interface Device Windows has finished installing the software that your new hadware device sequires.

Figure 15

You can confirm that Enumeration of Mitsubishi Monitor Function is successfull with the following method.

- Open "Device Manager" tab in "System" property under "Control Panel". Confirm that "HID-compliant Device" and "USB Human Interface Device" are listed in "Human Interface Device". If you can't confirm it, reenumerate "Mitsubishi Monitor Function" again by following (a) or (b).
- (a) Disconnect and connect the USB cable to the upstream port of the display monitor.
- (b) Cycle power of the display monitor off then on.

ΝΟΤΕ

If the mark ① appears with "HID-Compliant Device" and/or "USB Human Interface Device", the enumeration was unsuccessful. Select "HID-Compliant Device "and/or "USB Human Interface Device marked with ① mark and click "Remove" and "Refresh". After that, the enumeration is automatically started.



Figure 16

ΝΟΤΕ

The following should be observed in order to use the USB function reliably:

- Make sure all connections are made firmly and correctly.
- Do not change the Upstream port during the recognition of the monitor or other peripherals.
- Close all Windows program before changing the Upstream port or disconnecting USB cable.



4.1 How to adjust the screen

The monitor has an OSD(On Screen Display) function. The following procedure shows how to adjust the screen using the OSD function.

(1) Turn on the monitor.





(3) Select the group icon on Main Menu by pressing $\stackrel{\star}{\checkmark}$.



(4) Select the item icon on Sub Menu by pressing → button.



ΝΟΤΕ

When pressing both $\stackrel{\bullet}{\textcircled{}}$ and $\stackrel{\bullet}{\textcircled{}}$ buttons simultaneously, moving direction of item selection becomes reverse.

(5)Adjust by pressing - or + button.



(6)If you don't press any button for about ten seconds, the OSD screen will disappear.

The OSD can be turned off quickly by pressing $\bigcup_{\text{obd} \neq \text{o}}^{\text{BNCD-SUB}}$ button.



4.2 Adjustment Items

X: Available

ENGLISH

Items	Function	Α	в	С	D
CONTRAST	Adjusts the contrast level.		Х	Х	X
BRIGHT	Adjusts the black level of the screen		Х	Х	Х
COLOR NO	Select the desired color from Color 1, Color 2, and Color 3 presets.			Х	
R-GAIN	Adjusts the red-color balances for the selected color.		Х	Х	X
G-GAIN	Adjusts the green-color balances for the selected color.		Х	Х	Х
B-GAIN	Adjusts the blue-color balances for the selected color.		Х	Х	Х
COLOR TEMPERATURE	Adjusts the color temperature of the image on the screen.		Х	Х	X
COLOR RESET	Restores the each color gain and color temperature to the factory preset.	-	-	-	-
HORIZ-SIZE	Adjusts the horizontal size of the image on the screen.	Х	Х	Х	
HORIZ-PHASE	Adjusts the horizontal position of the image on the screen.	Х	Х	Х	
HORIZ-POSITION	Adjusts the horizontal position of the screen raster.	Х	Х	Х	
VERT-SIZE	Adjusts the vertical size of the image on the screen.	Х	Х	Х	
VERT-POSITION	Adjusts the vertical position of the image on the screen.	Х	Х	Х	
PINCUSHION	Straightens the left and right sides of the image on the screen.	Х	Х	Х	
KEYSTONE	Adjusts the parallelism of the left and right sides of the image on the screen.	Х	Х	Х	
TOP-PIN	Adjusts the pincushioning at the top corners of the screen.	Х	Х	Х	
BOTTOM-PIN	Adjusts the pincushioning at the bottom corners of the screen.	Х	Х	Х	
PIN-BALANCE	Adjusts the curvature of the left and right sides of the image on the screen.	Х	Х	Х	
KEY-BALANCE	Adjusts the vertical slant or tilt of the screen image.	Х	Х	Х	
ROTATION	Adjusts the rotation of the image on the screen.		Х	Х	X
ZOOM	Zooms the screen to all sides.	Х	Х	Х	
GEOMETRY RESET	Restores to the factory preset level.(See "NOTE" below.)	-	-	-	-
TEXT MODE	To get a preferable image for your work.			Х	
BLACK LEVEL	Select the black level of the screen.			Х	
HORIZ-CONVERGENCE	Adjusts the horizontal alignment of the red, green and blue beams.		Х	Х	Х
VERT-CONVERGENCE	Adjusts the vertical alignment of the red, green and blue beams.		Х	Х	X
VERT-CONV-TOP	Adjusts the upper vertical alignment of the red, green, and blue beams.		Х	Х	Х
VERT-CONV-BOTTOM	Adjusts the bottom vertical alignment of the red, green, and blue beams.		Х	Х	Х
HORIZ-CONV-RIGHT	Adjusts the horizontal alignment of the red, green and blue beams on the right part of screen		Х	Х	Х
HORIZ-CONV-LEFT	Adjusts the horizontal alignment of the red, green and blue beams on the left part of screen.		Х	Х	Х
CORNER PURITY (TL)	Adjusts the purity of the top-left corners of the screen.		Х	Х	Х
CORNER PURITY (TR)	Adjusts the purity of the top-right corners of the screen.		Х	Х	X
CORNER PURITY (BL)	Adjusts the purity of the bottom-left corners of the screen.		Х	Х	Х
CORNER PURITY (BR)	Adjusts the purity of the bottom-right corners of the screen.		Х	Х	Х
MOIRE CANCEL	When setting to ON, the moire level on the screen can decreased by the MOIRE			Х	
	CANCEL LEVEL.				
MOIRE CANCEL LEVEL	Adjusts the moire level on the screen.		Х	Х	
CLAMP PULSE POSITION	Uses this function to eliminate excessive green or white background that may occur			Х	
	when both Sync-On-Green and external sync signals are applied to the monitor.				
DEGAUSS	Eliminates possible color shading or impurity.	-	-	-	-
POWER SAVE	When setting to ON, the power consumption of the monitor will be reduced when not in use			Х	Х
	if your computer is set for power management.				
CONTROL LOCK	Locks the OSD function except for "BRIGHT" and "CONTRAST".				Х
OSD POSITION	Moves the OSD screen position.			Х	Х
ALL RESET	Restores all items to the factory preset level.(See "NOTE" below.)	-	-	-	-
GTF AUTO ADJUST	Adjusts the screen size and distortion automatically.	-	-	-	-
DIAGNOSIS	Indicates the current scanning frequency, factory or user preset timing number, and	-	-	-	-
	signal input connector.				
LANGUAGE	Selects the language used on OSD screen.				Х
USB UP-STREAM	Selects the Upstream port which you want to use.			Х	Х
USB PORT COMBINATION	Selects the combination of the Upstream port and signal input connector.			Х	X

A. Press "GEOMETRY RESET" to restore to the factory preset level.

B. Press $\stackrel{\cdot}{\bigcirc}$ and $\stackrel{\cdot}{\textcircled{ \rightarrow}}$ buttons together, to restore to the factory preset level.

C. Press "ALL RESET" to restore to the factory preset level.

D. Set data does not change by the change of the signal timing.

ΝΟΤΕ

If a non-Factory Preset timing is used, "GEOMETRY RESET" and "ALL RESET" do not work.

Group	Item	ltem	Press the Minus Button	Press the Plus Button
lcon	lcon			
	0	CONTRAST	To decrease the contrast.	To increase the contrast.
	*	BRIGHT	To decrease the brightness.	To increase the brightness.
	o ⁰ o RGB	COLOR NO	To select color 1, color 2, color 3.	
€ ≵	¢°⊘ R	R-GAIN	To decrease red color level of the color mode selected by "COLOR NO".	To increase red color level of the color mode selected by "COLOR NO".
	୍ଦ୍ରୁତ	G-GAIN	To decrease green color level of the color mode selected by "COLOR NO".	To increase green color level of the color mode selected by "COLOR NO".
	ംം	B-GAIN	To decrease blue color level of the color mode selected by "COLOR NO".	To increase blue color level of the color mode selected by "COLOR NO".
	000 K	COLOR TEMPERATURE	To decrease the color temperature of the color mode selected by "COLOR NO".	To increase the color temperature of the color mode selected by "COLOR NO".
	ŝ	COLOR RESET		To restore the color-gain and color tem- perature of the color mode selected by "COLOR NO" to the factory preset.
	Ð	HORIZ-SIZE	To narrow the width of the image on the screen.	To expand the width of the image on the screen.
		HORIZ-PHASE	To move the image on the screen to the left.	To move the image on the screen to the right.
		HORIZ-POSITION	To move the image to the left.	To move the image to the right.
		VERT-SIZE	To narrow the height of the image on the screen.	To expand the height of the image on the screen.
		VERT-POSITION	To move the image down.	To move the image up.
	\square	PINCUSHION	To collapse the center of the image.	To expand the center of the image.
		KEYSTONE	To decrease the width at the top of the screen image and to increase the width at the bottom.	To increase the width at the top of the screen image and to decrease the width at the bottom.
	\square	TOP-PIN	To expand the width of the screen image near the corners of top.	To narrow the width of the screen image near the corners of top.
		BOTTOM-PIN	To expand the width of the screen image near the corners of bottom.	To narrow the width of the screen image near the corners of bottom.
	\square	PIN-BALANCE	To move the top and bottom of the screen image to the right.	To move the top and bottom of the screen image to the left.
	\square	KEY-BALANCE	To make the screen slant to the left.	To make the screen slant to the right.
		ROTATION	To rotate the image counterclock- wise.	To rotate the image clockwise.
	(2 3)	ZOOM	To narrow the screen to all sides.	To expand the screen to all sides.
		GEOMETRY RESET		To restore to factory preset level.

Group Icon	ltem Icon	Item	Press the Minus Button	Press the Plus Button		
		TEXT MODE	To select "SHARP" mode.	To select "SMOOTH" mode.		
		BLACK LEVEL	To select "LOW" mode.	To select "HIGH" mode.		
		HORIZ-CONVERGENCE	To adjust the horizontal beam alignment on the full screen area.			
		VERT-CONVERGENCE	To adjust the vertical beam alignm	ent on the full screen area.		
		VERT-CONV-TOP	To adjust the vertical beam alignm	ent on the upper screen area.		
		VERT-CONV-BOTTOM	To adjust the vertical beam alignm	ent on the lower screen area.		
		HORIZ-CONV-RIGHT	To adjust the horizontal beam aligr	nment on the right screen area.		
		HORIZ-CONV-LEFT	To adjust the horizontal beam aligr	nment on the left screen area.		
	*	CORNER PURITY(TL)	To adjust the purity condition on th	e top-left corner.		
	*	CORNER PURITY(TR)	To adjust the purity condition on the top-right corner.			
	*	CORNER PURITY(BL)	To adjust the purity condition on the bottom-left corner.			
	*	CORNER PURITY(BR)	To adjust the purity condition on th	ne bottom-right corner.		
	>>>	MOIRE CANCEL	To select the Moire Cancel mode off.	To select the Moire Cancel mode on.		
	*	MOIRE CANCEL LEVEL	To decrease the level of the moire-	clear wave.		
	_{በቀቀ} ጉ		To eliminate an excessive green o occur when both Sync-On-Green a applied to the monitor.	r white-back ground that may and external sync signals are To clamp the video signal at the		
	CLAMP	CLAMP PULSE POSITION	To clamp the video signal at the front of the H-Sync pulse.	back of the H-Sync pulse. If you connect to an older Macintosh, you may need to press plus button.		
	£	DEGAUSS		To eliminate possible color shading or impurity due to magnetic effects.		
	23	POWER SAVE	To select the constant power consumption mode.	To select the power-save mode. (Your computer must be set for power management.)		
		CONTROL LOCK	To unlock the OSD function.	To lock the OSD function except for "BRIGHT" and "CONTRAST".		
		OSD POSITION	To move the OSD screen position in a counter clockwise direction.	To move the OSD screen position in a clockwise direction.		
	<u> </u>	ALL RESET		To restore all items to the factory preset.		
	GTF AUTO	GTF AUTO ADJUST		To adjust screen size, position and distortions automatically.		
		DIAGNOSIS	To show the current scanning freque connection.	uency, Preset No., and signal input		
	(Aă)	LANGUAGE	To choose the language used on OSD. ENGEnglish, FRAFrench, ESPSpanish, ITAItalian, GERGerman, JPNJapanese			

ENGLISH

ΝΟΤΕ

CONTROL LOCK: This is to lock the OSD function to keep the OSD screen image you set. Press plus button to lock the OSD function. You can adjust only "BRIGHT" and "CONTRAST" at the condition. Press minus button to unlock the locked condition.

GTF: This function is available when the computer has the GTF[™] function according to the VESA[®]GTF[™] standard.

Group Icon	ltem Icon	ltem	Press the Minus Button	Press the Plus Button
		USB UP-STREAM	In case that either the Upstre chosen by this function, the auto available. It may take about 15 seconds recognized by the computer aft Make sure the operation of the stream ports before changing approximately 15 seconds m recognized by the computer a stream ports are changed. Do not change the Upstream p errors of the operation of device	The USB functions of the com- puter connected to Upstream port ROOT-B become active.
	-USB PORT	USB PORT COMBINATION	corresponding to the change of This function is only available in are connected to the computers It may takes 15 seconds until th nized by the computer after the In case that the computer chose mode, the signal input connector others automatically. When the Upstream port which displays on the screen is selecte	case that both the Upstream ports the USB devices have been recog-

ΝΟΤΕ

USB Monitor Control will be available when installing "USB Monitor Control Software" into the computer. The "USB Monitor Control Software" can be downloaded from Mitsubishi Internet Home Page: http://www.mitsubishi-display.com/

5 TROUBLESHOOTING

Before calling your Authorized Product Support, please check that the items below are properly connected or set. In case of using a non-standard signal, please check the pin assignments and the signal timing of your computer with the specification outlined in Section 6. SPECIFICA-TIONS and Section 7. APPENDIX.

	PRO	BLEM	ITEMS TO CHECK	LOCATION
		LED On (Green)	Contrast and brightness controls.	Front (OSD)
No	0	LED Off	Power switch.AC power cord disconnected.	FrontRear
1	cture	LED On (Amber)	 Signal cable disconnected. BNC cables are misconnected or the green cable is disconnected. Computer power switch. Power management function is active. 	 Rear Check the graphics adapter and cables Computer Press any key on the keyboard or move the mouse.
The f	The following message appeared ATTENTION NO SIGNAL H > OFF V> OFF PLEASE CHECK INPUT SIGNAL OR CONNECTION.		 Signal cable disconnected. BNC cables are misconnected or the green cable is disconnected. Computer power switch. Power management function is active. 	 Rear Check the graphics adapter and cables Computer Press any key on the keyboard or move the mouse.
	The following message appeared.		 Input signal frequency range is too high or too low for the monitor to synchronize with. 	Check the specification of graphics adapter
	ing, ce or too	ay is miss- enter shifts, small or too of a display	 Do "GEOMETRY-RESET" or "ALL RESET" for a standard signal. Adjust HORIZ-SIZE, VERT-SIZE, HORIZ-PHASE, and VERT-POSITION with non-standard signals. Monitor may not be able to get full-screen image depend on signal. In this case, please select other resolution, or other vertical refresh timing. Make sure you wait a few seconds after adjusting the size of the image before changing or disconnecting the signal. 	Front (OSD)Front (OSD)
l picture			 [Universal serial bus controller] is not listed in [Device Manager]. 	Confirm that Windows98 is in- stalled into the computer.
Abnormal pict		eration of SB devices	• [Generic USB HUB] is not listed in [Device Manager].	 Make sure of the cable connections. Restart the computer. Turn off the monitor and turn on then. Disconnect all the cables connected to theUpstream ports and re-connect then.
			 On the OSD screen, the Upstream port to which the USB device you want to use is connected is not colored by blue. 	 Select the Upstream port by using the OSD screen, "Up- stream port selection"

	PROBLEM	ITEMS TO CHECK	LOCATION		
Abnormal Picture	Black vertical lines are visible on the screen.	 Thin vertical black lines on one or both sides of the screen. This minor condition is caused by grille element overlap which can occur during shipping. Position an open white window over the affected area of the screen and maximize the brightness and contrast controls. This will cause localized heating of the overlap which will clear in a few minutes. Be sure to readjust the brightness and contrast controls back to the normal viewing levels after this procedure. 	• _		
A					
lin	vo fine horizontal les are visible on e screen.	• The 2 very faint thin lines across the screen are normal. They are caused by the aperture grille stabilization filaments(Damper Wires) which are required for all aperture grille CRTs'.	• _		
		Shadow of Damper Wires			
Shadow of Damper Wires Aperture Grille Type					
	buzzing sound nen power on.	• A brief vibration or hum sound that is heard just after power up is normal. This is caused by the automatic degaussing function. This sound will be heard each time the monitor is powered up from a cold start and each time the manual degauss button is used.	• _		

ි SPECIFICATIONS

Model No.		NSB1107STTUW										
	Size	55cm/22"(51cm/20" Diagonal Viewable Image)										
	Mask type	Aperture grille										
	Gun	In-line										
	Deflection angle	90°										
CRT	Phosphors	Red, Green, Blue EBU (medium short persistence)										
	Aperture grille pitch	0.24mm										
	Phosphor pitch	0.25mm										
	Face Plate	Anti-glare, Anti-reflection and Anti-static coating										
	Focusing method	Dynamic Beam Forming (DBF)										
	Video	0.7Vp-p analog RGB										
INPUT SIGNAL	Sync	Sync. on Green or separate H, V sync., or Composite sync										
	Input Connectors	5BNC, DB9-15P										
SIGNAL INTERFACE	Input Impedance	75Ω (video), 2.2kΩ (sync.)										
	Function	 Self-powered HUB complying with Universal Serial Bus Specification Rev.1.0 										
USB	Interface	 2 Upstream ports/12Mbps 3 Downstream ports/12Mbps, 1.5Mbps (500mA max. per each Downstream port) 										
SCANNING	Horizontal	30 - 121kHz										
FREQUENCY	Vertical	50 - 160Hz										
RESOLUTION (HxV)	2048 dots x 1536 lines No	n-Interlaced maximum addressable resolution format at 75Hz										
WARM-UP TIME	30 minutes to reach optim	um performance level										
BRIGHTNESS	100cd/m², standard full white video signal at 9300K (+ 8MPCD)											
	Horizontal	≥ 2.3 μsec (typ.)										
BLANKING TIME	Vertical	\geq 450 µsec (typ.)										
DISPLAY SIZE	393mm x 295mm(typ.)	ratio 4:3										
COLOR	5000K~9300K											
	AC100-120/220-240V±10% 50/60Hz 155W (typ.)											
POWER SOURCE	<170W(typ.): with USB operation>											
OPERATING	Temperature	5 - 35°C										
NVIRONMENT Humidity		10 - 90%RH (without condensation)										
DIMENSIONS	(W)19.7inch x (H)19.7inch	x (D)19.0inch / (W) 500mm x (H) 500mm x (D) 482mm										
WEIGHT	Approx. 31.0kg (68.3lbs.)											
TILT/SWIVEL	Tilt Angle	-5° - +10°										
BASE	Swivel Angle	±90°										
	Safety	UL1950 (UL), CSA C22.2 No.950 (C-UL)										
		EN60950 (TÜV-GS)										
	EMC	FCC Class-B, DOC Class-B										
		EN55022 Class-B, VCCI Class-B										
		EN50082-1, EN61000-3-2, EN61000-3-3										
REGULATIONS	X-Ray	DHHS, HWC, Röv vom 8.1, 1987										
	Other	CE-Marking, MPR-II/TCO'91										
		ISO9241-3, ISO9241-7, ISO9241-8 (TÜV-GS)										
		TCO '99										
		International ENERGY STAR Program										
		Energy 2000 Labeling Award										
		Guidelines for the Suppression of Harmonics										
		in Appliances and General-Use Equipment										

ENGLISH

7 APPENDIX

7.1 Monitor Signal Input Connector (DB9-15P)



MOUNTED ON THE REAR PANEL

PIN ASSIGNMENTS

Pin No.	Signal
1	RED VIDEO
2	GREEN VIDEO
	or COMPOSITE SYNC with GREEN VIDEO
3	BLUE VIDEO
4	GROUND
5	DDC GROUND
6	RED GROUND
7	GREEN GROUND
8	BLUE GROUND
9	NC
10	SYNC GROUND
11	GROUND
12	SDA
13	HORIZONTAL SYNC
	or COMPOSITE SYNC
14	VERTICAL SYNC(VCLK)
15	SCL
SI	DC DISPLAY DATA CHANNEL DA SERIAL DATA CL SERIAL CLOCK C NO-CONNECTION

7.3 Optional Macintosh Adapter AD-A205 settings

The AD-A205 Macintosh Adapter(option) allows you to take an advantage of the built in video capabilities of your Macintosh computer with the monitor.

(1) Set the dip switches of the adapter, before connect to the computer.

7.2 SC-B104 Signal Cable



PIN ASSIGNMENTS

Pin No.	Signal
1	RED
2	GREEN
3	BLUE
4	GROUND
5	DDC GROUND
6	RED GROUND
7	GREEN GROUND
8	BLUE GROUND
9	NC
10	SYNC GROUND
11	GROUND
12	SDA
13	HORIZONTAL SYNC
14	VERTICAL SYNC(VCLK)
15	SCL
DDC SDA SCL NC	

(2) Set the dip switches according to the following chart. By using the following chart, you can choose a main resolution, quickly.

If you wish to operate by other resolution, refer to next page; "AD-A205 Mac Adapter Setting Chart"

to the computer.	Apple Macintosh	Switch ON	Switch Setting
	Macintosh IIsi, IIci, IIvi, IIvx, LC, LC II	1,2	ON 1 2 3 4 5 6
Dip Switches Macintosh	Macintosh LC III, LC475, LC630	2,4	ON 1 2 3 4 5 6
Diorlou monitor	Macintosh Quadra 610, 650, 700, 800, 840AV, 900, 950 Macintosh Centris 610, 650, 660AV	1,2,3,4	ON 1 2 3 4 5 6
Display monitor	Performa 6260, 6310, 6410, 6420 Power Macintosh 6100, 6100AV, 6200, 6300 Power Macintosh 7100AV, 7200, 7300, 7500, 7600 Power Macintosh 8100, 8100AV, 8500, 8600 Power Macintosh 9500, 9600 Workgroup Server 7350, 8150, 9150, 9650	1,2,6	ON 1 2 3 4 5 6
	Power Macintosh 4400, G3	3,4	ON 1 2 3 4 5 6

ENGLISH

Be sure to power off the computer when you set the dip switches. Set the dip switches by a pointed article like a pencil or ball point pen to touch end of the switch groove.

ц сі

1. The resolution does not change with the computer powered on when you set the dip switches.

(3) "AD-A205 Mac Adapter Setting Chart" shows all available modes for Macintosh systems and all possible combinations with the monitor.

We recommend that you use the monitor with a preset timing. (See Section 1.2 Internal Preset Memory Capability)Please refer to the instruction book of your computer about the resolution setting.

Resolution may not be changed on some computers.

[ß	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4		3,4	3,4	3,4		3,4		3,4	3,4	3,4	3,4	3,4		3,4	3,4
		9600/350 9600/350	3,4	1,2,6				3,4	3,4	3,4	3,4	1,2,6	3,4	3,4		1,2,6	3,4	1,2,6	3,4	1,2,6	3,4	3,4	1,2,6	3,4	1,2,6	1,2,6			1,2,6
		9600/233 Workgroup Server 9650	3,4	1,2,6				3,4	3,4	3,4		1,2,6	3,4		3,4	1,2,6		1,2,6		1,2,6			1,2,6		1,2,6		1,2,6		1,2,6
		9500	3,4	1,2,6				3,4	3,4	3,4		1,2,6	3,4	3,4		1,2,6		1,2,6		3,4		3,4	1,2,6						
	Power Macintosh	7300 7500 8500 8600 8600 Server 7350	3,4	1,2,6				3,4	3,4	3,4		1,2,6	3,4		3,4	1,2,6		1,2,6		1,2,6			1,2,6						
	Power	4400	3,4	3,4	3,4	3,4		3,4	3,4	3,4		3,4	3,4	3,4		3,4		3,4		3,4		3,4	3,4						
		7200	3,4	1,2,6				3,4	3,4	3,4		1,2,6	3,4		3,4	1,2,6		1,2,6											
5 6		6300 6300	1,2,6	1,2,6				1,2,6	1,2,6			1,2,6																	
2" [234]		8100 Video Card (DB-15) 6100AV 7100AV 8100AV 8100AV Video Card (DB-15)	3,4	1,2,6					3,4			1,2,6	3,4	3,4		1,2,6		1,2,6											
dip switch "ON" as shown below. (Example : "1,2"		Workgroup Server 8150 9150 6100 8100 8100 8100AV 7100AV 8100AV 8100AV 710AV 700AV 7000	3,4	1,2,6								1,2,6																	
(Exar	rma	6410 6420	1,2,6	1,2,6				1,2,6	1,2,6			1,2,6	1,2,6		1,2,6														
elow.	Performa	6260 6310	1,2,6	1,2,6				1,2,6	1,2,6			1,2,6																	
own b		Quadra 840AV Centris 660AV	3,4	1,2					3,4			2,4	3,4	3,4		2,3		1,2,3,4											
as sh		Quadra 610 650 800 950 950 610 650	3,4	1,2								2,4				2,3		1,2,3,4											
"ON"	h	700 900	3,4	1,2								2,4						1,2,3,4											
switch	Macintosh	LC630 Quadra 700 900	3,4	1,2				3,4	3,4			2,4						-											
	2	LCII LC475	3,4	1,2								2,4																T	
Set the			3,4	1,2																									
		IIv. IIv.	3,4	1,2																									
				1,2																									
		解像度 (RESOLUTION)	640 x480@60Hz	640 x480@67Hz	640 x480@72Hz	640 x480@75Hz	640 x480@85Hz	2H09@009x 008	800 x600@72Hz	800 x600@75Hz	800 x600@85Hz	832 x624@75Hz	1024 x768@60Hz	1024 x768@70Hz	1024 x768@72Hz	1024 x768@75Hz	1024 x768@85Hz	1152 x870@75Hz	1280 x960@60Hz	1280 x960@75Hz	1280 x960@85Hz	1280 x1024@60Hz	1280 x1024@75Hz	1280 x1024@85Hz	1600 x1200@60Hz	1600 x1200@65Hz	1600 x1200@67Hz	1600 x1200@70Hz	1600 x1200@75Hz

<Optional Macintosh Adapter AD-A205 Setting Chart>

CP871C164A90

MITSUBISHI ELECTRIC CORPORATION HEAD OFFICE: MITSUBISHI DENKI BLD, MARUNOUCHI, TOKYO 100-8310 TELEX J24532 CABLE MELCO TOKYO

http://www.mitsubishi-display.com