# Operating Instructions
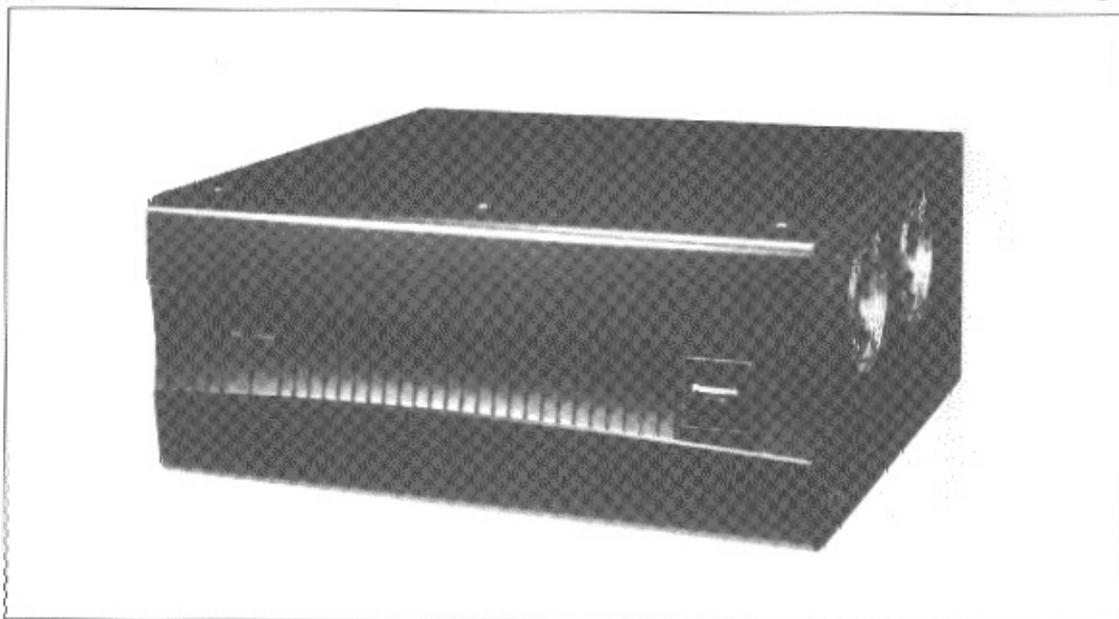
## Panasonic ®

# CONTENTS

# PREFACE

The WG-AV120 AV Codec is designed for use as a core unit for the Panasonic Vision Series Video Conference System. The WG-AV120 AV Codec, when combined with the optional WG-CR100 Remote Controller, and the WG-ZB100 Network I/F Board, transmits the video image and audio signal to the Destination Site through the ISDN telephone lines.

# FEATURES

The WG-AV120 AV Codec, when combined with the WG-CR100 Remote Controller and WG-ZB100 Network I/F Board, enables control of the following functions:
- Transmit/Receive the video image and audio through the digital network comformed to H. 261 compression standards.
- Reproduce high quality picture equipped with S-Video input/output connectors.
- User-friendly, on-screen menu setups, registrable Quick Dial Numbers and camera position can be easily established for customized requirement.
- Capable of preventing the howling and echo by using optional WG-ZA100 AEC (Acoustic Echo Canceller) Board.
- Capable of transmitting video and audio up to 3 locations if there are (3) lines of BRI used at the Local Site. From the Local Site, two way communication is available between the Local Site and one out of the three selected site.

# PRECAUTIONS

- All necessary procedures, with regards to the installation of this unit should be made by qualified service personnel or system installers.

- Do not attempt to disassemble the unit.
  In order to prevent electric shock, do not remove screws or covers. There are no user-serviceable parts inside.
  Do refer to all servicing to qualified service personnel.

- Handle the unit with care.
  Do not abuse the unit. Avoid striking, shaking, etc. It could be damaged by improper handling or storage.

- Do not expose the unit to rain or moisture, or try to operate it in wet areas.
  Do take immediate action if the unit becomes wet. Turn the power off and refer servicing to qualified service personal. Moisture can damage the unit and also create the danger of electric shock.

- Do not use strong or abrasive detergents when cleaning the unit body.
  Do use a dry cloth to clean the unit when dirty. In case the dirt is hard to remove, use a mild detergent and wipe gently.

- Do not operate the unit beyond its temperature, humidity or power source ratings.
  Do not use the unit in an extreme environment where high temperature or high humidity exist.
  Use the unit under conditions where temperatures are within 41°F - 95°F (+5°C - +35°C), and humidity is below 90%.
  The input power source is 120V AC 60Hz.

# MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

■ WG-AV120 AV Codec
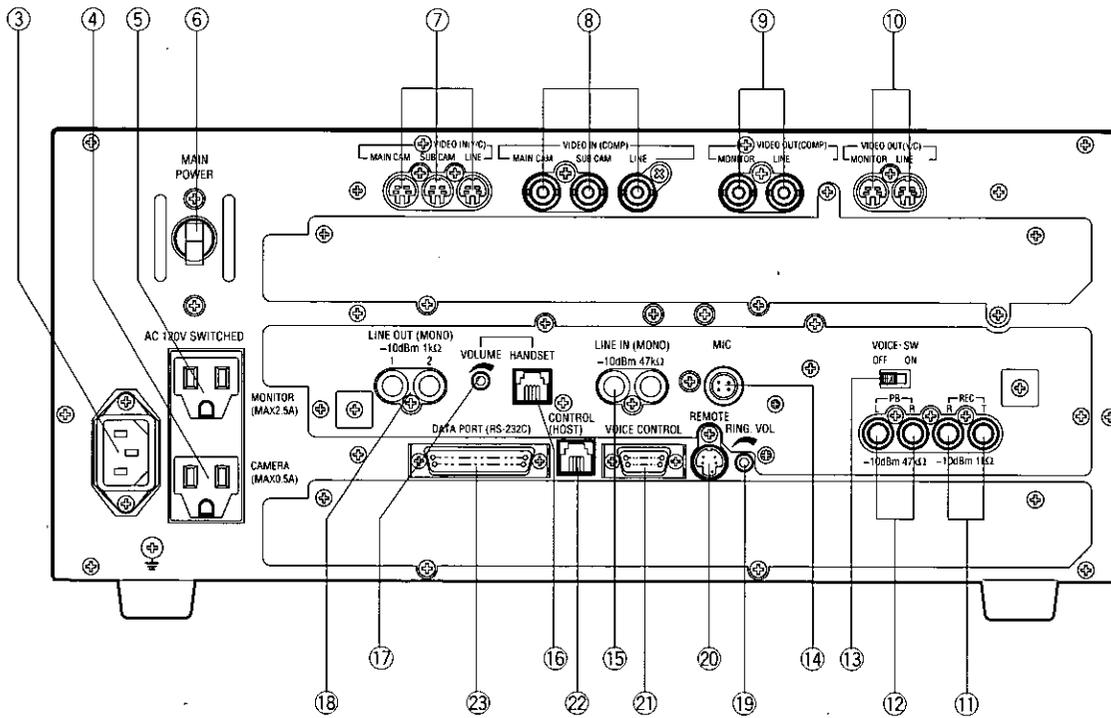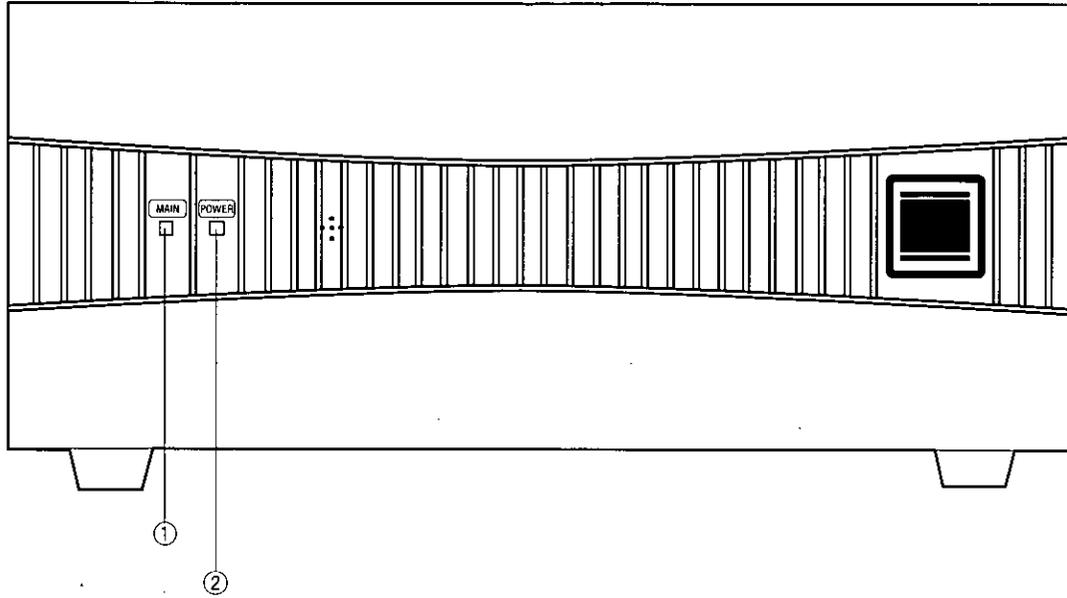
1. **Main Power Indicator (MAIN)**
   This indicator lights up when the Power Circuit Breaker located on the rear of the WG-AV120 AV Codec, is turned on.

2. **Power Indicator (POWER)**
   This indicator lights up when the Power Key is pressed to turn the system power on.

3. **AC Power Receptacle**
   When connected with 120V AC through the supplied Power Cord will carry the main power.

4. **Camera AC Outlet (CAMERA)**
   This is used to supply power for the camera through the WG-PS100 Power Unit.

5. **Monitor AC Outlet (MONITOR)**
   This is used to supply the Monitor power.

6. **Power Circuit Breaker (MAIN POWER)**
   This breaker is used to turn the power on or off the WG-AV120 AV Codec.

7. **S-Video Input Connector (VIDEO IN (Y/C))**
   These are the input connectors from Main Camera, Sub Camera or other equipment with S-Video output.
   **Main Camera (MAIN CAM):** Input connector for S-Video output from Main Camera.
   **Sub Camera (SUB CAM):** Input connector for S-Video output from Sub Camera or copy stand.
   **Line In (LINE):** Input connector for S-Video output from VCR or other peripherals.

8. **Composite Video Input Connector (VIDEO IN (COMP))**
   These are the input connectors from Main Camera, Sub Camera or other equipment with composite video output.
   **Main Camera (MAIN CAM):** Input connector for composite video output from Main Camera (Contains Pan/Tilt and camera control signals must be connected).
   **Sub Camera (SUB CAM):** Input connector for composite video output from Sub Camera or copy stand.
   **Line In (LINE):** Input connector for composite video output from VCR or other peripherals.

9. **Composite Video Output Connector (VIDEO OUT (COMP))**
   These are the codec composite video outputs to the Monitor and VCR.
   **Monitor (MONITOR):** This output supplies composite video output to the Monitor.
   **Line (LINE):** This output supplies composite video output to VCR.

10. **S-Video Output Connector (VIDEO OUT (Y/C))**
    These are the codec S-Video outputs to be used with various equipment.
    **Monitor (MONITOR):** Use this output to connect to the Monitor S-Video input.
    **Line (LINE):** Use this output to connect to VCR S-Video input..

11. **Audio Recording Output Jack (REC R/T)**
    These outputs is used for recording transmitted (T) and received (R).

12. **Audio Playback Input Jack (PB L/R)**
    This input is used for audio playback through playback equipment such as VCR.

13. **Voice Switch (VOICE SW OFF/ON)**
    This switch is used to select the voice switching function to prevent the echo between the Local Site and the Destination Site.
    When this switch is selected to ON Position, the unit is automatically selected the speaker in the one site and transmitted audio to the other site.

14. **Microphone Connector (MIC)**
    The WG-M100 optional microphone is connected to this connector.

15. **Audio Line Input Jack (LINE IN (MONO))**
    The Local Site audio to be transmitted to the Destination Site is supplied to these phono jacks. The audio from the audio mixer is to be supplied here.

16. **Handset Port (HANDSET)**
    This port is used to connect the handset, if required.

17. **Handset Volume Control (VOLUME)**
    This control is used to adjust the audio volume for the handset.

18. **Audio Line Output Jack (LINE OUT (MONO))**
    The audio output signal is provided at these phono jacks. Connect to the audio input jack of the Video Monitor.

19. **Ringer Volume Control (RING)**
    This control is used to adjust the alert tone to the desired level for receiving a call.

20. **Remote Control Connector (REMOTE)**
    The remote control signal from the WG-CR100 Remote Controller is supplied to this connector.
    If the Remote controller is used by wireless, connect the WG-R100 Sensor Unit to this connector by supplied 5 pin cable.

21. **Voice Control Port (VOICE CONTROL)**
    When the Voice Switching Unit is used, to connect this port.

22. **Control Port (CONTROL (HOST))**
    This port is used to connect the external unit that enables to control the AV Codec instead of the WG-CR100 Remote Controller, if applicable.

23. **Data Port (DATA PORT (RS-232C))**
    This port is used to connect a personal computer that enables to transmit/receive the data during the conference.

# ■ WG-CR100 Remote Controller
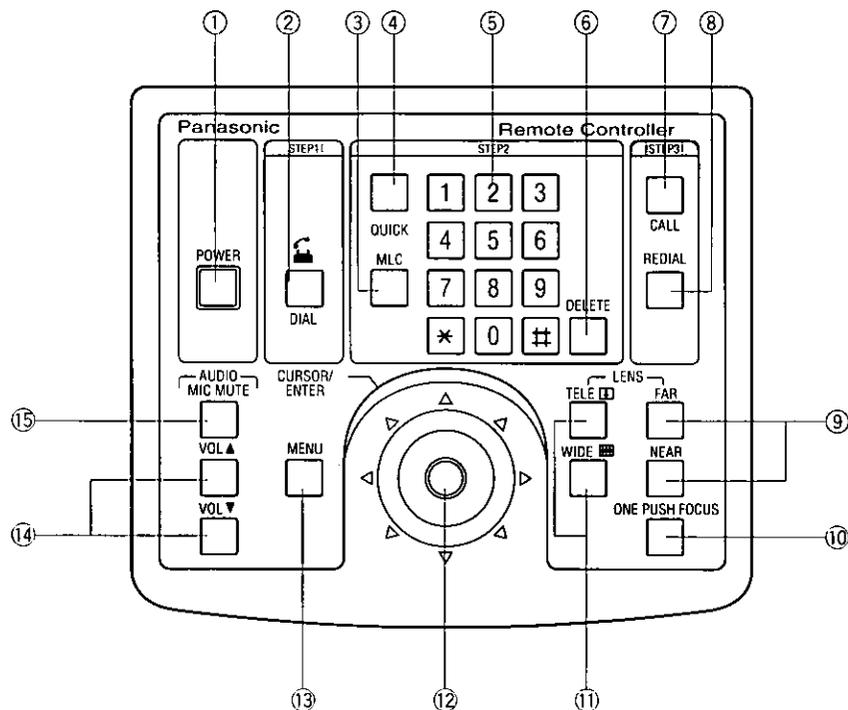


1. **Power Key (POWER)**
   This key is used to turn the systems power on or off except for the WG-AV120 AV Codec.

2. **Dial Key (DIAL)**
   This key is used to dial calls in conjunction with Call (CALL) key. **[STEP 1]**

3. **Multi Location Conference Key (MLC)**
   This key is used to transmit the video and audio to the other three locations simultaneously from the local site. **[STEP 2]**

4. **Quick Dial Key (QUICK)**
   This key is used to select Short Dial No.'S registered in the menu.**[STEP 2]**

5. **Numeric Key (0-9, ∗ #)**
   These keys are used for numeric input into the system such as telephone number, camera preset position, etc.

6. **Delete Key (DELETE)**
   This key is used to correct any numeric or alphabetic input in the menu.
   Press this key to delete the character positioned immediately to the left of the cursor.

7. **Call Key (CALL)**
   This key is used to call up the destination site. **[STEP 3]**

8. **Redial Key (REDIAL)**
   This key is used to call up the destination site automatically called last time. **[STEP 3]**

9. **Focus Key (LENS FAR/NEAR)**
   These keys are used to adjust lens focus of specified lens mounted on the camera.

10. **One Push Focus Key (ONE PUSH FOCUS)**
    This key is used to adjust lens focus automatically.

11. **Zoom Key (LENS TELE/WIDE)**
    These keys are used to adjust lens zoom of specified lens mounted on the camera.

12. **Joystick Controller (CURSOR / ENTER)**
    This Joystick is used to operate the Pan/Tilt Unit manually, or move the pointer (arrow) to the desired position on the menu. Also this Joystick is used to execute the currently high-lighted settings on the menu.

13. **Menu Key (MENU)**
    This key is used to display the menu on the monitor screen.

14. **Volume Key (VOL ▼ ▲)**
    These keys are used to control audio level of the local site speakers.
    The audio level increases while the ( ▲ ) key is pressed, or decreases while the ( ▼ ) key is pressed.

15. **Microphone Mute Key (MIC MUTE)**
    This key is used to mute the outgoing sound from the local site. When this key is pressed, a mark of Ⓧ is displayed on the monitor screen.
    Press this key again to release the function.

# INSTALLATION

The installation described below should be made by qualified service personnel or system installers.

## ■ Installing the Network I/F Board

┌─ **Caution** ─────────────────────────┐
Before installing this board be sure to turn off the Power
Circuit Breaker of the WG-AV120 AV Codec.
└────────────────────────────────────────┘



WG-AV120
AV Codec

Rear Panel

Blank Panel          Remove four screws
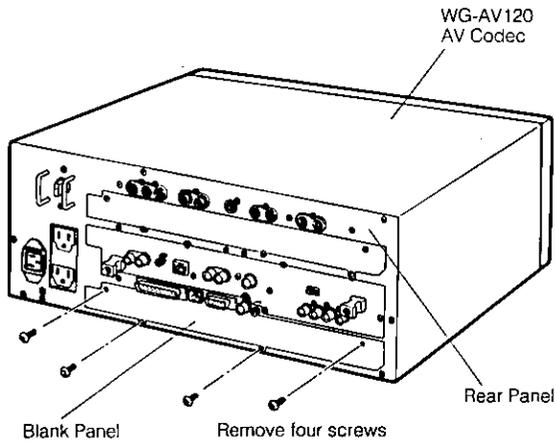
1. Remove four screws on the back panel of WG-AV120 AV Codec.
2. Install the WG-ZB100 Network I/F Board into the rear of the AV Codec by sliding it inside the board guides.
3. Make sure to push in the Network I/F Board until it is seated firmly.
4. Secure the Network I/F Board by tightening the four screws.



WG-AV120
AV Codec

Tighten four
screws            Network I/F
                  Board
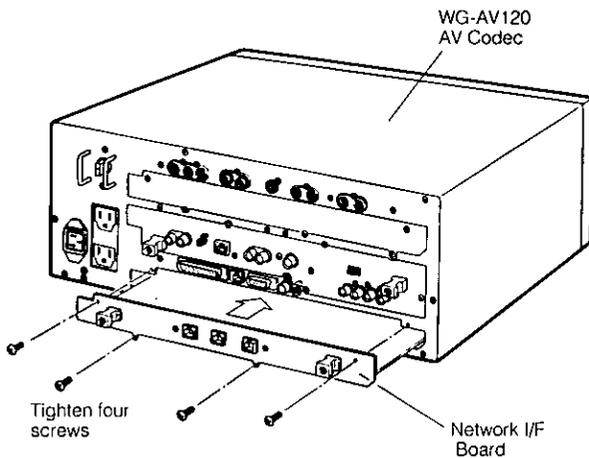
## ■ Installing the Batteries into the Remote Controller

Two AA size (R6P) batteries are required for this remote controller.

1. Slide off the battery cover.
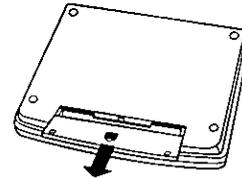


2. Check the polarity of the batteries and install two batteries into the compartment correctly.
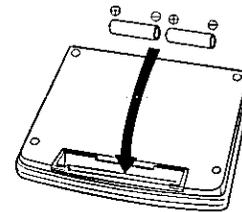


3. Close the battery cover.
   **Notes :**
   1. Do not use rechargeable batteries.
   2. Do not make short-circuit between ⊕ polarity and ⊖ polarity of the battery.
   3. Do not mix old battery with new ones.
      Replace two batteries together.
   4. Do not use batteries other than the type specified.

# SYSTEM CONNECTIONS

The following is the over view of System Connection.
Refer to the Installation Manual of WG-AV120 for more details.
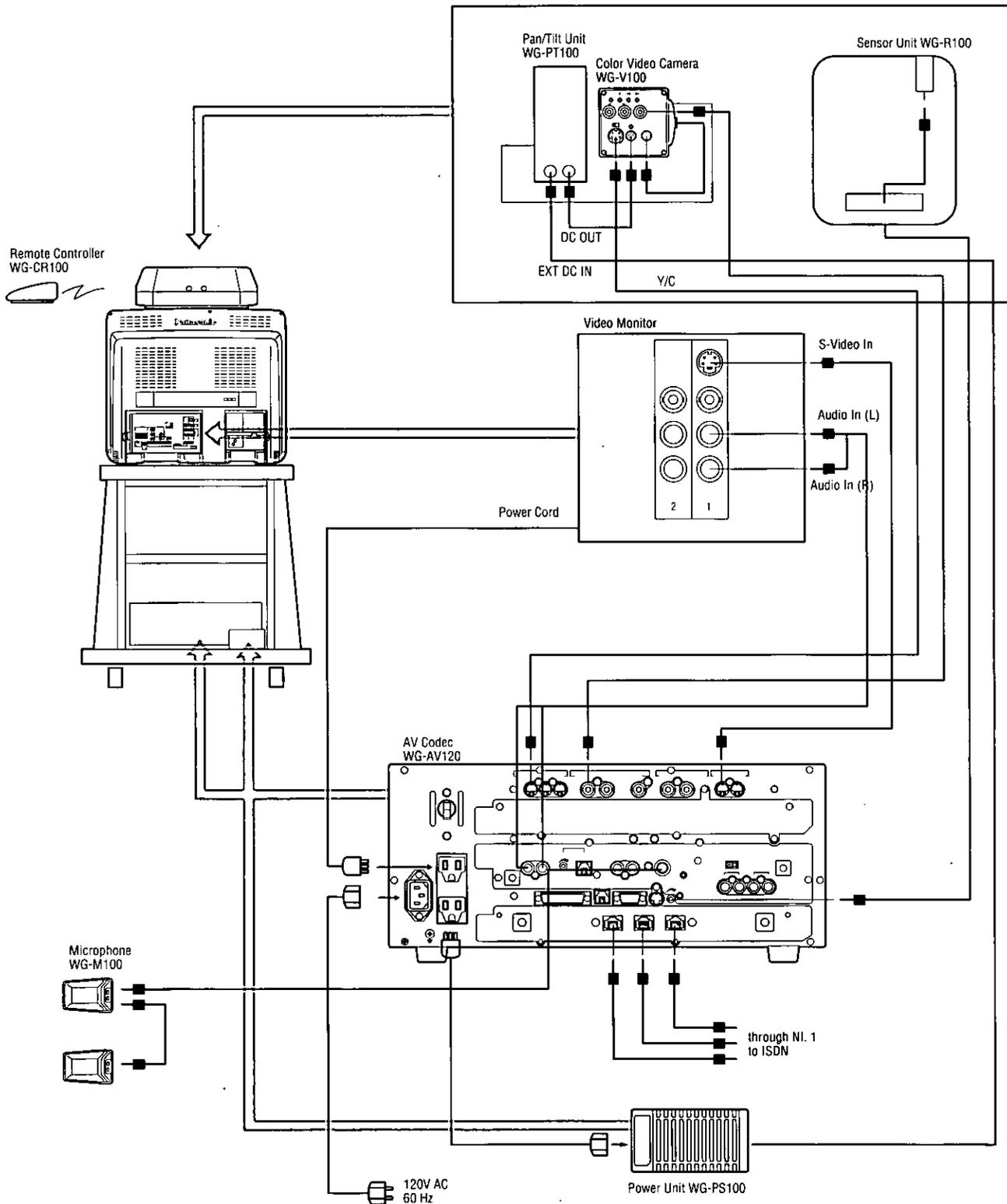


**Over View of System Connection**

# OPERATING PROCEDURES

# Before Operating

- The WG-CR100 Remote Controller is required to operate this unit.
- On-Screen menu provides a way for controlling functions not available through direct keyboard input.
- In the on-screen menu, the Joystick is effective to operate as following.

If moved: moves the high-lighted bar or the cursor to the desired position.

If pressed: executes the selection or the settings high-lighted on the monitor screen.
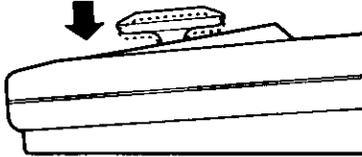
Also it is effective as a numeric input, when the items are displayed by numbers in the menu, by pressing the Numeric Key.

# Basic Functions

Before starting the following procedures, all system components should be turned on.

## 1. Power Up

1. Turn on the power switches of all system components.

2. Turn the Power Circuit Breaker located at the rear of the AV Codec, to the ON position.

<Rear Panel>

Power Circuit Breaker
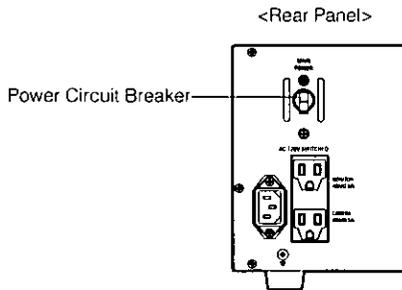
"Loading Set Up Data" display appears on the monitor screen.

Initialization is automatically started then the following displays appear on the monitor screen with the Main Camera picture if all settings are normal (Standby State).

```
┌─────────────────────────────────────┐
│ │MAIN CAMERA│            │READY│     │
│                                      │
│                                      │
│                                      │
│                                      │
│                                      │
│                                      │
│            .                         │
└─────────────────────────────────────┘
```
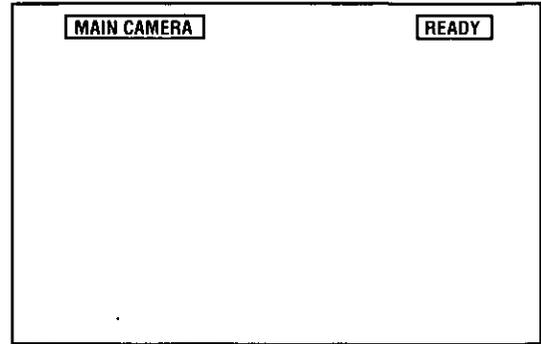
## Power Saving Mode

To conserve power, if no operation is made for two minutes with Auto Shut Off "On" mode under this condition, then power circuit will be automatically turned off.

Press the Power Key on the Remote·Controller, to turn on the system power. The previous displays appear again on the monitor screen.

Refer to the Auto Shut Off setting on page 35 for the setup method.

If the SPID is incorrect or not installed, the following display appears on the monitor screen.

```
┌─────────────────────────────────────┐
│ │MAIN CAMERA│            │SPID ?│    │
│                                      │
│                                      │
│                                      │
│                                      │
│        .                             │
│                                      │
│                                      │
└─────────────────────────────────────┘
```
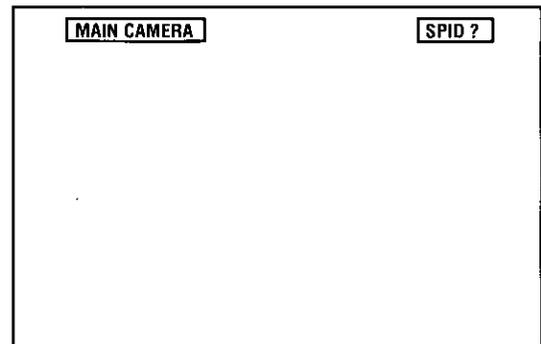
Refer to the SPID Registration on page 26 for the registration methode, then enter the required SPID again.

## 2. Camera Settings

1. Move the Joystick to move the WG-PT100 Pan/Tilt Unit towards the desired position.

    **Note:** If the Joystick is moved to the right, the picture on the monitor screen moves to the right, but the camera moves to the left.

2. Press the Zoom **(TELE/WIDE)** Keys to adjust the lens zoom to achieve the desired picture while observing the monitor screen.
    Press the Zoom **(TELE)** Key to optically bring an object closer. Pressing Zoom **(WIDE)** Key has the reverse effect.

3. Press the Focus **(FAR/NEAR)** Keys to adjust the lens focus to achieve a sharply focused picture while observing the monitor screen.

### Cautions:

• The camera settings can be made during the conference, but it is not available while the Menu Key is pressed (On-screen menu is displayed on the monitor screen.)
• If the White Balance setting is incorrect, refer to the White Balance Adjustment described on page 30, to avoid such problem.

## 3. Manual Dialing

1. Press the Dial **(DIAL)** Key to display the following Dial Input Menu on the monitor screen.

```
┌─────────────────────────────────────────┐
│ 📱 Dial the number and press CALL Key    │
│   ┌───────────────────────────────────┐  │
│   │ Destination Number                │  │
│   │ ┌───────────────────────────────┐ │  │
│   │ │[]                             │ │  │
│   │ └───────────────────────────────┘ │  │
│   │                                   │  │
│   └───────────────────────────────────┘  │
│  [QUICK] [MLC] [64/56]  Cancel : [DIAL KEY]│
└─────────────────────────────────────────┘
```
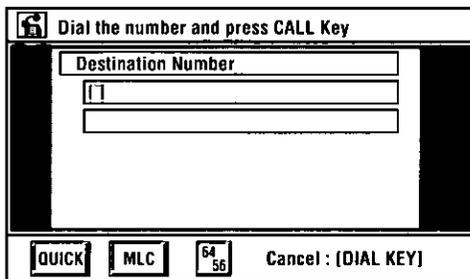
2. Enter the Destination Dial Number by pressing the Numeric Keys, to both framework.
    If a mistake is made, press the Delete **(DELETE)** Key to delete the number positioned immediately to the left of the cursor. Press the Numeric Key to enter the correct number.
    **Note:** Please note that these numbers will not be stored but could be redialed automatically by pressing the Dial **(DIAL)** and Redial **(REDIAL)** Key while the unit was not turned off.

3. Press the Call **(CALL)** Key to call the destination site.

```
┌─────────────────────────────────────────┐
│ 📱 ⇨⇨                              15S   │
│   ┌───────────────────────────────────┐  │
│   │ Dial Number                       │  │
│   │ ┌───────────────────────────────┐ │  │
│   │ │ 8930                          │ │  │
│   │ └───────────────────────────────┘ │  │
│   │ ┌───────────────────────────────┐ │  │
│   │ │ 8930                          │ │  │
│   │ └───────────────────────────────┘ │  │
│   │  📱  Dialing                      │  │
│   │      Please Wait ······           │  │
│   └───────────────────────────────────┘  │
│                    Cancel : [DIAL KEY]   │
└─────────────────────────────────────────┘
```
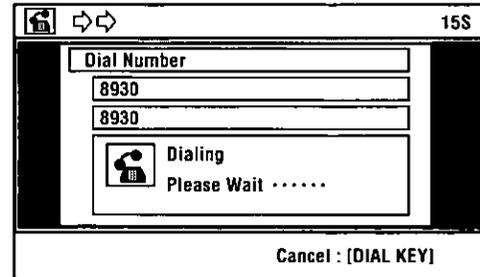
4. Then the destination site picture appears on the monitor screen.

    **Note:** Quick Dial can also be used, if connections are for two or more lines. Refer to the Quick Dialing on page 11 for more details.

## 4. Receiving Calls

**Receive Mode "Manual"**
During the calling bell is ringing, Press the Dial **(DIAL)** Key to receive the call.

**Receive Mode "Auto"**
Calling bell rings and then the call is automatically received.

**Note:** Initially, Receive Mode is selected to "Manual" position at the factory. Refer to the Receive Mode Setup on page 34 for setup method.

## 5. Audio Volume Control

Press the Volume **(VOL ▲ ▼)** Keys to control audio volume of the room speaker.
    VOL ▲: increases the audio volume while this key is pressed.
    VOL ▼: decreases the audio volume while this key is pressed.

When the Volume **(VOL ▲ ▼)** Keys are pressed the audio level is indicated on the monitor screen and it disappears after the setting is finished.

```
┌───────────────────────────┐
│ 16IIIIIIII                │
│                           │
│                           │
│                           │
│                           │
│                           │
└───────────────────────────┘
```
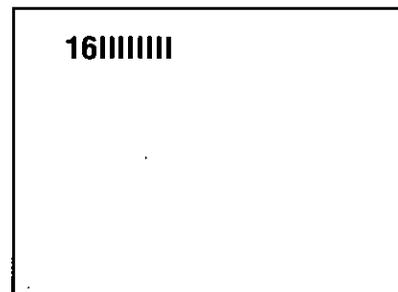
## 6. Sound Mute

To mute the outgoing sound, press the Microphone Mute
**(MIC MUTE)** Key to mute the microphone.
When the Microphone Mute **(MIC MUTE)** Key is pressed a
mark of ⊘ is displayed on the monitor screen.
To release the function, press the Microphone Mute **(MIC
MUTE)** Key again.
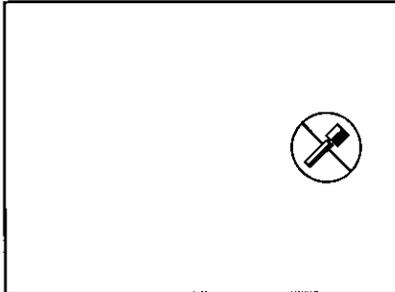
**Notes:**
- This mode is available only when the conference is in
  progress.
- This feature does not mute the audio connected to the
  Line Input such as VCR.

## 7. Select Picture

The pictures transmitted to the destination site can be
selected by using on-screen menu.

1. Press the Menu **(MENU)** Key to display the Main Menu
   on the monitor screen.

2. Move the high-lighted bar to [SELECT] by moving the
   Joystick then press the Joystick to select the Camera
   Selection Menu.
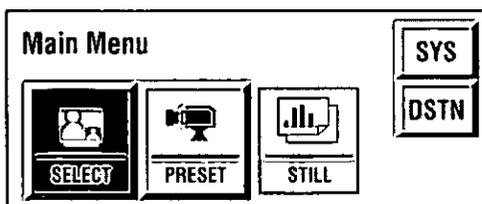
```
┌──────────────────────────────────┐
│ Main Menu              ┌─────┐    │
│                        │ SYS │    │
│  ┌────┐ ┌────┐ ┌────┐  └─────┘    │
│  │    │ │    │ │    │  ┌─────┐    │
│  │    │ │    │ │    │  │DSTN │    │
│  │SELECT│PRESET│STILL│ └─────┘    │
│  └────┘ └────┘ └────┘             │
└──────────────────────────────────┘
```

3. Move the high-lighted bar to the desired position by
   moving the Joystick then press the Joystick to execute
   the selection.

```
┌──────────────────────────────────┐
│                                  │
│                                  │
│ ┌──────────────────────────────┐ │
│ │ Camera Selection             │ │
│ │ ┌────┬────┬────┐┌────┐┌────┐ │ │
│ │ │MAIN│SUB │LINE││SWAP││PInP│ │ │
│ │ └────┴────┴────┘└────┘└────┘ │ │
│ │ ┌─────────────┐  ┌────────┐  │ │
│ │ │   FREEZE    │  │ MAIN   │  │ │
│ │ └─────────────┘  │ MENU   │  │ │
│ └──────────────────────────────┘ │
└──────────────────────────────────┘
```
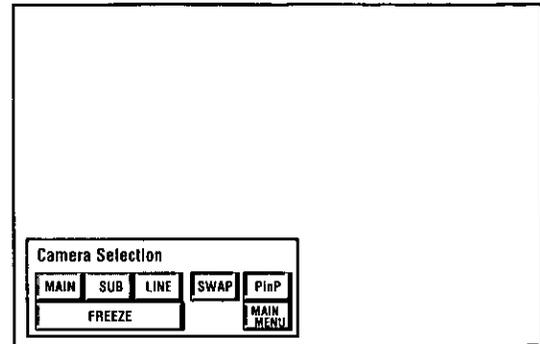
**MAIN:** selects picture shot by the Main Camera
**SUB:** selects picture shot by the Sub Camera
**LINE:** selects picture connected to the Line Input
such as VCR.

4. Move the high-lighted bar to [MAIN MENU] by moving
   the Joystick then press the Joystick to return to the
   Main Menu.

5. Press the Menu **(MENU)** Key to return to normal view-
   ing.
   **Notes:**
   - Initially, MAIN is selected at the factory.
   - It is possible to select picture without displaying
     the menu screen. By pressing the Numeric ( ∗ )
     Key repeatedly, the picture is selected the follow-
     ing sequence.

```
   ┌→ MAIN ──→ SUB ──→ LINE ──→┐
   └───────────────────────────┘
```
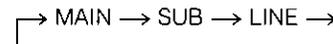
## 8. Close the Conference

1. Press the Dial **(DIAL)** Key to display the following
   menu on the monitor screen.

```
┌──────────────────────────────────┐
│                                  │
│                                  │
│  ┌────────────────────────────┐  │
│  │ ■ Close the Meeting?        │  │
│  │  ┌───────┐    ┌───────┐     │  │
│  │  │  Yes  │    │  No   │     │  │
│  │  └───────┘    └───────┘     │  │
│  └────────────────────────────┘  │
│                                  │
└──────────────────────────────────┘
```
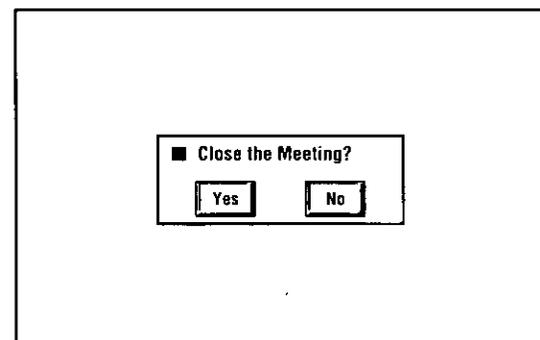
2. Press the Dial (**DIAL**) Key again, or move the high-lighted bar to [YES] by moving the Joystick then press the Joystick to execute the selection.
The picture is switched to display the local site, and the following display appears on the monitor screen.

```
■ Meeting Terminated
  Press Any Key
```
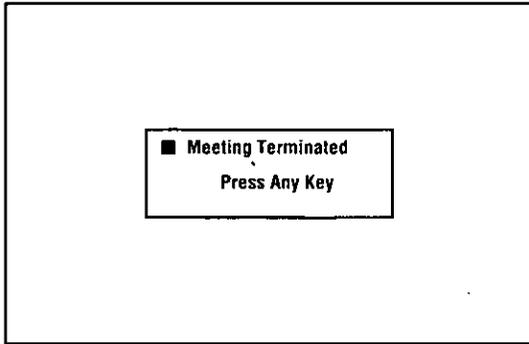
The display will be automatically returned to the stand-by state.

## 9. Turn Off Power

1. Press the Power (**POWER**) Key to display the following menu on the monitor screen.

```
■ Shut off.....?
  [ Yes ]    [ No ]
```
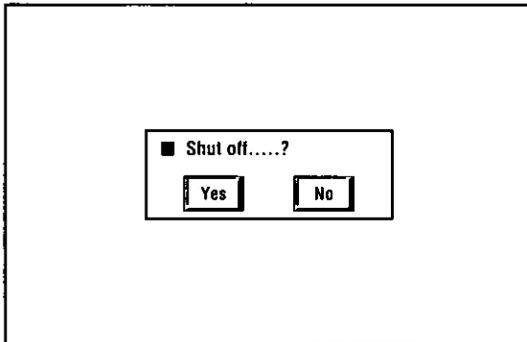
2. Press the Power (**POWER**) Key again, or move the high-lighted bar to [YES] by moving the Joystick then press the Joystick to execute the selection, to turn the systems power off except the AV Codec.
This condition is called the Power Saving mode and only the main power LED of the AV Codec is lighted.

3. To turn off the AV Codec, turn the Power Circuit Breaker located at the rear of the AV Codec, to OFF position.

**Note:**
 • When using an automatic receiving call function, do not turn off the Power Circuit Breaker of the AV Codec, but let the energy conservation mode remain effective.
 Refer to the Receive Mode Setup on page 34 for setup method.

## Convenient Functions

### 1. Quick Dialing

Dial numbers often dialed may be registered as Quick Dial Number. Then destination site with such numbers can be easily called.

1. Press the Dial (**DIAL**) Key to display the following Dial Input Menu on the monitor screen.

```
📞  Dial the number and press CALL Key
    Destination Number
    [ ]
    [                              ]

  [QUICK]  [MLC]  [64/56]   Cancel : [DIAL KEY]
```
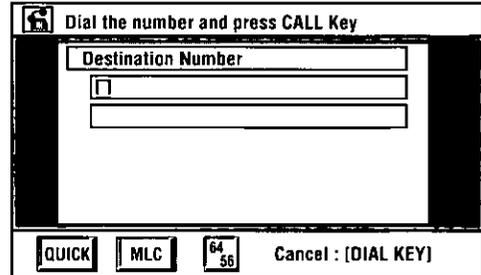
2. Press the Quick Dial (**QUICK**) Key to display the Quick Dial Numbers registered on the monitor screen.
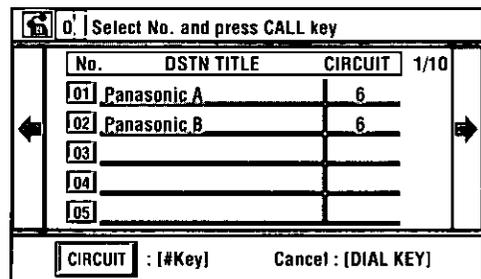
```
📞  0. Select No. and press CALL key
    No.   DSTN TITLE      CIRCUIT   1/10
    [01] Panasonic A         6
    [02] Panasonic B         6
    [03]
    [04]
    [05]
  [CIRCUIT]  : [#Key]    Cancel : [DIAL KEY]
```

While in this menu, move the Joystick to the right to select the next page or move the Joystick to the left to back up to the previous page.

3. Select desired Quick Dial No. by pressing the Numeric Keys, or move the high-lighted bar to the desired Quick Dial No. by moving the Joystick then press the Joystick to select the number.

4. If changing the number of circuits, press the Numeric (#) Key to display the following menu.

```
📞  Select Number of Circuits
    QUICK01   Panasonic A
    [1]  [1]   Economical
    [2]  [2]      ↑
    [3]  [3]      |
    [4]  [4]      |
    [5]  [5]      ↓
    [6] ✓ [6]  High Quality
  [ PRV ]            Cancel : [DIAL KEY]
```
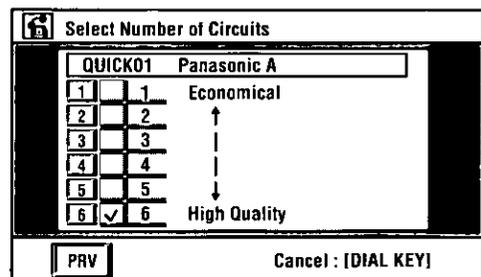
Move the high-lighted bar to the required number by moving the Joystick then press the Joystick to execute the selection.

**Note:** Using fewer lines (less than 6) is more economical but will result in reduction of quality of the picture.

5. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the previous menu.

6. Press the Call (**CALL**) Key to call the destination site.

```
┌─────────────────────────────────────┐
│ [📷] ⇨⇨                        1M15S │
│ ┌───────────────────────────────┐   │
│ │ No.    DSTN TITLE    CIRCUIT  │   │
│ │ [01] Panasonic A          6   │   │
│ │                               │   │
│ │  ┌──┐ Dialing                 │   │
│ │  │📞│ Please Wait ······      │   │
│ │  └──┘                         │   │
│ └───────────────────────────────┘   │
│              Cancel : [DIAL KEY]     │
└─────────────────────────────────────┘
```
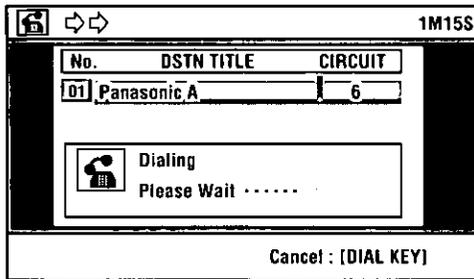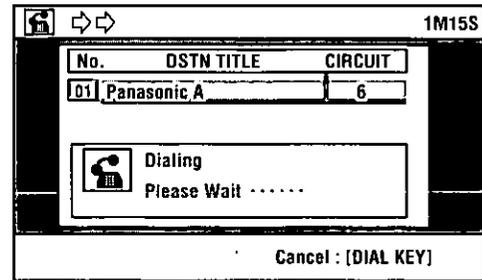
To cancel calling the destination site, press the Dial (**DIAL**) Key.

**Note:** Refer to the Quick Dial Registration on page 20 for registration method.

## 2. Redialing

If a connection is not made due to destination site busy or in similar cases, redialing can be effected as follows.

1. Press the Dial (**DIAL**) Key to display the

```
┌─────────────────────────────────────┐
│ [📷] Dial the number and press CALL Key │
│ ┌───────────────────────────────┐   │
│ │ Destination Number            │   │
│ │  [ ]                          │   │
│ │  [                         ]  │   │
│ │                               │   │
│ │                               │   │
│ └───────────────────────────────┘   │
│ [QUICK] [MLC] [64/56]  Cancel : [DIAL KEY] │
└─────────────────────────────────────┘
```
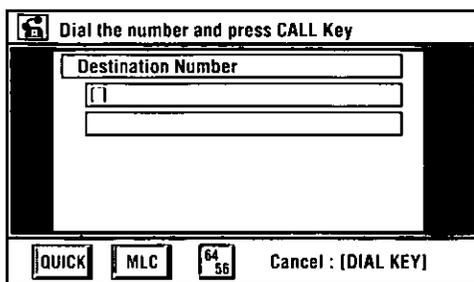
2. Press the Redial (**REDIAL**) Key to display the dial number called last time then the destination site is automatically redialled.

```
┌─────────────────────────────────────┐
│ [📷] ⇨⇨                        1M15S │
│ ┌───────────────────────────────┐   │
│ │ No.    DSTN TITLE    CIRCUIT  │   │
│ │ [01] Panasonic A          6   │   │
│ │                               │   │
│ │  ┌──┐ Dialing                 │   │
│ │  │📞│ Please Wait ······      │   │
│ │  └──┘                         │   │
│ └───────────────────────────────┘   │
│              Cancel : [DIAL KEY]     │
└─────────────────────────────────────┘
```

**Notes:**
- Redialing is effective only for the dial number called last time.
- Redialing is not available if the AV Codec is turned off.

## 3. One Push Focus

If the camera is moved, lens focus may be lost.
In such condition, press the One Push Focus (**ONE PUSH FOCUS**) Key to correct lens focus automatically set.

## 4. Camera Preset Position

If the camera position is registrated in advance for the conferees, the camera can be directed at the speaker by simplified operation.
There are eight preset position available.

Press the Numeric Key, 1-8 correspond to the preset position numbers, to activate the Pan/Tilt Unit to move to the preset position.

Above operation is not effective when a menu is displayed on the monitor screen.

**Notes:**
- Refer to the Setting of Camera's Preset Position on page 24 for the setup method.
- During the Multi Location Conference (MLC), the Numeric Key functions can be switched over between "Preset Position Select" and "MLC Site Select". Therefore, Preset Position Selection may not function by pressing the Numeric Key.
  Press the Delete (**DELETE**) Key to cause the setting to be switched over. Preset Position Selection is effective after the "PRESET" is displayed at the upper left corner on the monitor screen.

## 5. Picture Freeze Function

This function is used to freeze the picture of the local site (the picture presently transmitted to the destination site.)
This function is available only during the conference.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.
2. Move the high-lighted bar to [SELECT] by moving the Joystick then press the Joystick to display the Camera Selection Menu.
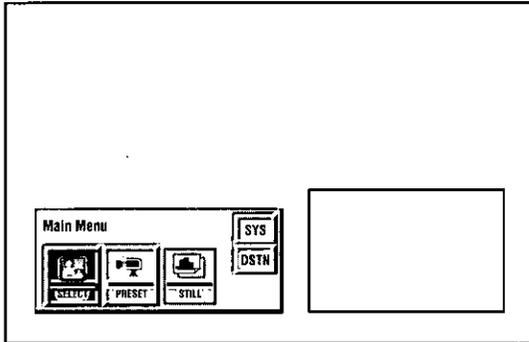


3. Move the high-lighted bar to the desired mode from MAIN, SUB, or LINE by moving the Joystick then press the Joystick to select desired picture.

   **Note:** No selection is required if the presently displayed picture is going to be frozen.

4. Move the high-lighted bar to [FREEZE] by moving the Joystick then press the Joystick to execute the selection. The Picture of the local site is displayed on the master screen in freeze mode, and a pointer (⇨) is displayed on the monitor screen.
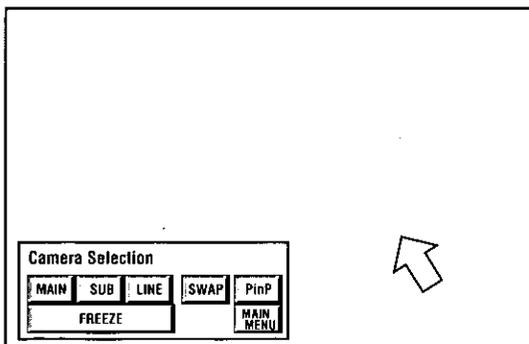


5. Press the Menu (**MENU**) Key to return to normal viewing. Now move the pointer (⇨) to the required position by moving the Joystick.
6. To return to live picture, press the Menu (**MENU**) Key to display the Camera Selection Menu.
   Move the high-lighted bar to [FREEZE] by moving the Joystick then press the Joystick to release the function.
7. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the Main Menu.
   Press the Menu [**MENU**] Key to return to normal viewing.

## 6. Picture in Picture Function

Main picture and picture in picture screens can be swapped, in order to move the position of a picture in picture screen.

### (1) Main Picture and P in P Swap
1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.
2. Move the high-lighted bar to [SELECT] by moving the Joystick then press the Joystick to display the Camera Selection Menu.
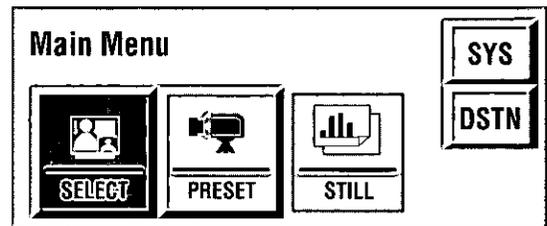


3. Move the high-lighted bar to [SWAP] by moving the Joystick then press the Joystick to swap the picture on the monitor screen.
   The picture in picture screen (local site) and the master screen (destination site) are swapped.
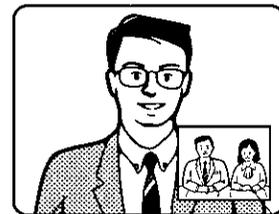


Destination Site          Local Site
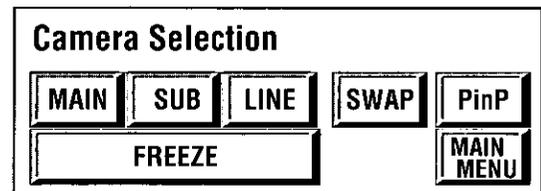


To return to previous condition, select [SWAP] again.

4. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the previous Main Menu.

   **Note:** It is possible to swap the pictures without displaying the menu screen.
   Press the Numeric (**O**) Key repeatedly to swap the pictures alternately.

## (2) Picture in Picture Position

1. Press the menu **(MENU)** Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SELECT] by moving the Joystick then press the Joystick to display the Camera Selection Menu.
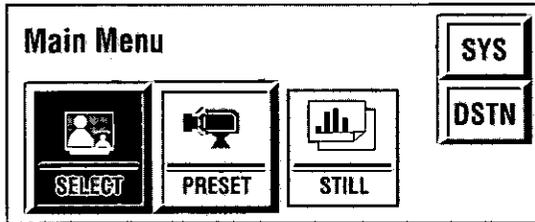


3. Move the high-lighted bar to [Pin P] by moving the Joystick then press the Joystick to move the position of a picture in picture screen.
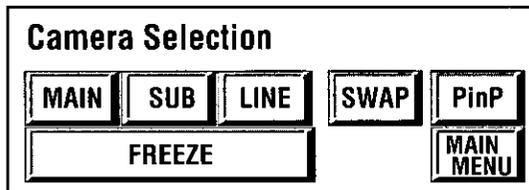


During the conference, position of a picture in picture screen is moved as shown below by every pressing the Joystick.

Upper Right



Lower Right                    Upper Left



None                           Lower Left
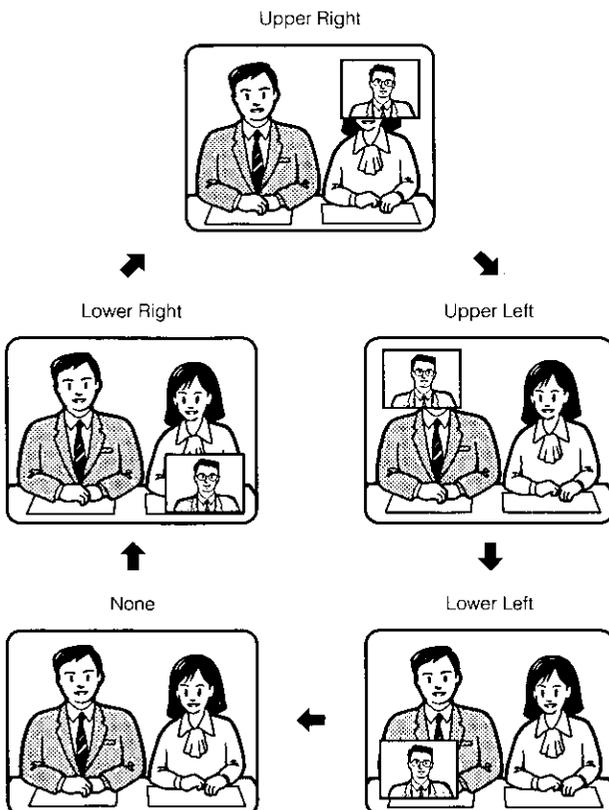


**Note:**
> A picture in picture screen is begun with none indication under the condition "READY" displayed (Standby State).

4. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the previous Main Menu.
To return to normal viewing, press the Menu **(MENU)** Key.

**Notes:**
- If the picture in picture screen is moved in the standby state, the position selected last time is stored and that screen position is presented when the conference is held.
- The selected picture in picture position during the conference is not stored after the closed conference.
- It is possible to select picture in picture mode without display the menu screen.
Press the Numeric (#) Key repeatedly, to turn the picture in picture on or off.

## 7. Controlling Destination Camera

**Caution:** The following function is only available with the systems that Panasonic Vision Series 300 or the Vision Series 500 is used in the destination site.

### (1) Camera Control
1. Press the Menu **(MENU)** Key to displayed the Main Menu on the monitor screen.
2. Move the high-lighted bar to [DSTN] by moving the Joystick then press the Joystick to execute the selection.
"CONTROLLING" display appears on the upper right corner of the monitor screen.
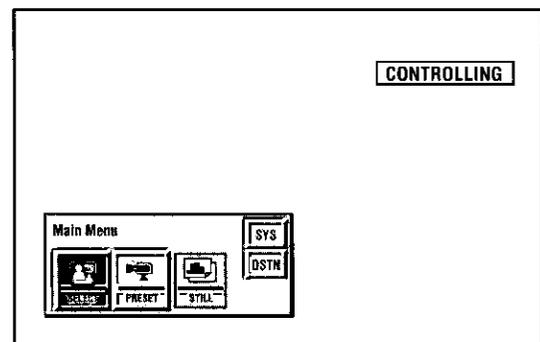


3. Press the Menu **(MENU)** Key to return to normal viewing.
In this state, the camera in the destination site can be manipulated. Move the Joystick to activate the Pan/Tilt unit and adjust the camera Angle. Press the Focus **(FAR/NEAR)** Key or the Zoom **(TELE/WIDE)** Key to adjust lens focus or lens zoom.
4. To release controlling the camera, press the Menu **(MENU)** Key to display the Main Menu, then select [DSTN] on the menu by pressing the Joystick.
5. Press the Menu **(MENU)** Key to return to normal viewing.

## (2) Camera Preset Position

**Caution:** The following function is only available if the preset position registration of a destination camera has been attempted from the local site.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.
2. Move the high-lighted bar to [DSTN] by moving the Joystick then press the Joystick to execute the selection.
   "CONTROLLING" display appears on the upper right corner of the monitor screen.
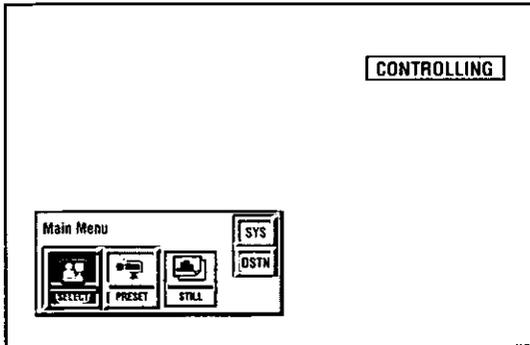


3. Press the Menu (**MENU**) Key to return to normal viewing.
   In this state, the camera in the destination site can be effected.
4. Press the Numeric Keys 1-8 correspond to the preset position numbers, to activate the Pan/Tilt Unit to move to the preset position.
5. To release controlling the camera, press the Menu (**MENU**) Key to display the Main Menu, then select [DSTN] on the menu by pressing the Joystick.
6. Press the Menu (**MENU**) Key to return to normal viewing.

   **Note:** Refer to the Setting of Camera's Preset Positions on page 24 for setup methode.

## 8. Destination Picture Selection

**Caution:** The following function is only available with the Panasonic Vision Series 300 or the Vision Series 500 is used in both site.

It is used to select a picture from the destination site.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.
2. Move the high-lighted bar to [DSTN] by moving the Joystick then press the Joystick to execute the selection.
   "CONTROLLING" display appears on the upper right corner of the monitor screen.
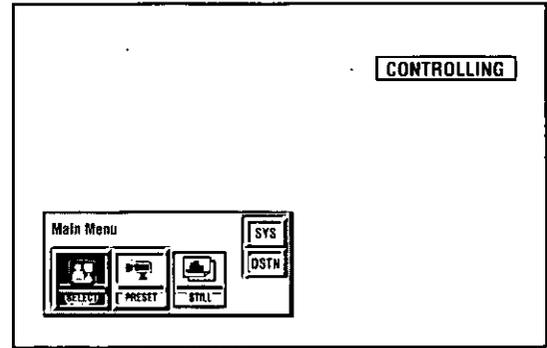


3. Move the high-lighted bar to [SELECT] by moving the Joystick then press the Joystick to select Camera Selection Menu on the monitor screen.
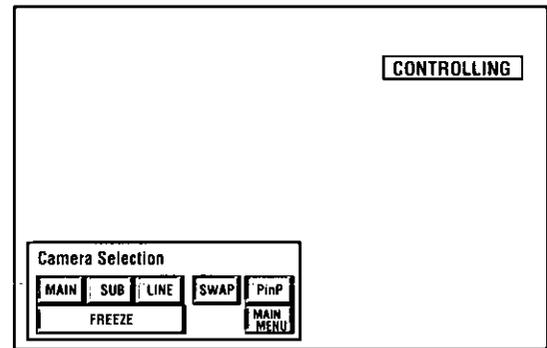


4. Move the high-lighted bar to the desired mode by moving the Joystick then press the Joystick to execute the selection.

   **MAIN:** Selects destination site Main Camera picture
   **SUB:** Selects destination site Sub Camera picture
   **LINE:** Selects destination site picture connected to the Line Input such as VCR.

5. To release selecting the picture from the destination site, move the high-lighted bar to [MAIN MENU] by moving the Joystick, then press the Joystick to return to the Main Menu. Select [DSTN] by pressing the Joystick to escape from the destination site.
6. Press the Menu (**MENU**) Key to return to normal viewing.

   **Caution:** If the Vision Series 300 is controlled form the destination site, "CONTROLLED" display appears on the upper right corner of the monitor screen.
   In this case, the destination control cannot be released from the local site.

   **Note:** While "CONTROLLING" is displayed on the monitor screen, it is possible to select picture in the destination site without displaying the menu screen.
   Press the Numeric ( * ) Key repeatedly, the picture is selected the following sequence.

   → MAIN → SUB → LINE →
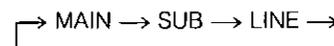
## 9. Data Transmission

- Data exchange with the destination site is possible using personal computer, for example, is connected to the Data Port (**DATA PORT** (RS-232C)) of the AV Codec.
- During the conference, data exchange is effective regardless of the system operation.

  **Caution:**
  - Data exchange cannot be effected unless the data port setting is correct.
  - Refer to the Data Port Setup on page 33 for Setup method.

## 10. MLC (Multi Location Conference)

- When 3 BRI lines are used at the Local Site (calling point), simultaneous transmission of video and audio signals is available from the Local Site (calling point) to up to other three locations (receiving points).

  From the Local Site, two way communication is available between the Local Site and the one of the location selected (receiving point).

- Operation during a conference and closing a conference are the same as those for an normal video conference.

  **Note:** Some steps are required the registration of the MLC Numbers and the MLC Sites. Refer to the MLC Registration No. on page 22 for registration method.
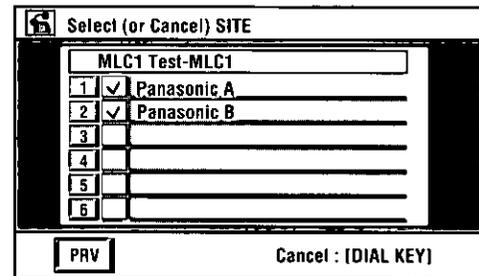
## (1) Connection with MLC Site

1. Press the Dial (**DIAL**) Key to display the following Dial Input Menu on the monitor screen.

```
┌──────────────────────────────────────┐
│ [🔲] Dial the number and press CALL Key │
│  ┌────────────────────────────────┐   │
│  │ Destination Number             │   │
│  │ ┌────────────────────────────┐ │   │
│  │ │ [ ]                        │ │   │
│  │ └────────────────────────────┘ │   │
│  │ ┌────────────────────────────┐ │   │
│  │ └────────────────────────────┘ │   │
│  └────────────────────────────────┘   │
│ ┌─────┐ ┌─────┐ ┌──┐                  │
│ │QUICK│ │ MLC │ │64│ Cancel : [DIAL KEY]│
│ └─────┘ └─────┘ │56│                  │
│                 └──┘                  │
└──────────────────────────────────────┘
```
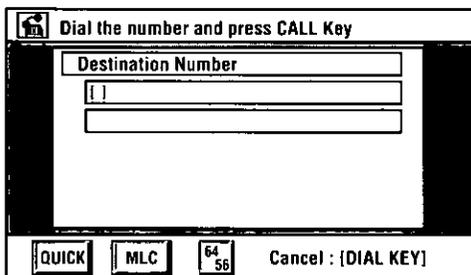
2. Press the Multi Location Conference (**MLC**) Key to display the MLC Selection Menu on the monitor screen.

```
┌──────────────────────────────────────┐
│ [🔲] Select MLC No. and press CALL key  │
│  ┌──────────────────────────────────┐ │
│  │ No.      MLC TITLE          1/2  │ │
│  │ [1] Test-MLC 1                   │ │
│ ←│ [2] _____     │→│
│  │ [3] _____     │ │
│  │ [4] _____     │ │
│  │ [5] _____     │ │
│  └──────────────────────────────────┘ │
│ ┌──────┐                              │
│ │ SITE │ : [#Key]   Cancel : [DIAL KEY]│
│ └──────┘                              │
└──────────────────────────────────────┘
```

While in this menu, move the Joystick to the right to select the next page or move the Joystick to the left to back up to the previous page.

3. Select the desired MLC No. by pressing the Numeric Key, or move the high-lighted bar to the desired MLC No. by moving the Joystick then press the Joystick to execute the selection.

4. If increasing or decreasing the MLC Site, press the Numeric [#] Key to display the MLC Site Selection Menu on the monitor screen.

```
┌──────────────────────────────────────┐
│ [🔲] Select (or Cancel) SITE            │
│  ┌──────────────────────────────────┐ │
│  │ MLC1 Test-MLC1                   │ │
│  │ [1] ✓ Panasonic A                │ │
│  │ [2] ✓ Panasonic B                │ │
│  │ [3] _____  │ │
│  │ [4] _____  │ │
│  │ [5] _____  │ │
│  │ [6] _____  │ │
│  └──────────────────────────────────┘ │
│ ┌─────┐                               │
│ │ PRV │        Cancel : [DIAL KEY]    │
│ └─────┘                               │
└──────────────────────────────────────┘
```

5. Move the high-lighted bar to the desired site numbers by moving the Joystick then press the Joystick to execute the selections.

   **Caution:** Up to three Sites can be selected for the MLC. If the audio only is transmitted, up to six sites can be selected.

   Move the high-lighted bar to [PRV] · by moving the Joystick then press the Joystick to return to the previous MLC No. Selection Menu.

6. Press the Call (**CALL**) Key to call the MLC sites.

```
┌──────────────────────────────────────┐
│ [🔲] ⇨⇨                       1M15S    │
│  ┌──────────────────────────────────┐ │
│  │ No.      MLC TITLE               │ │
│  │ [01] Test-MLC 1                  │ │
│  │                                  │ │
│  │  ┌──┐  Dialing                   │ │
│  │  │📞│  Please Wait ······        │ │
│  │  └──┘                            │ │
│  └──────────────────────────────────┘ │
│                    Cancel : [DIAL KEY] │
└──────────────────────────────────────┘
```
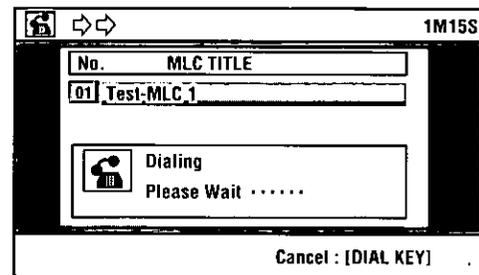
To cancel the call, press the Dial (**DIAL**) Key again.

## (2) Two Way Communication

Video and audio signals can be transmitted by two way communication, selected one site out of three.
The following setting is available only during the MLC conference.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.
2. Move the high-lighted bar to [SITE] by moving the Joystick then press the Joystick to select Site Selection Menu on the monitor screen.
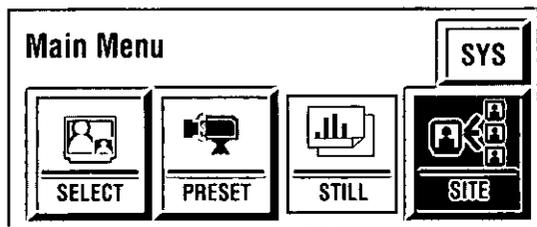


3. Select desired site number by pressing the Numeric Key, or move the high-lighted bar to the desired site number then press the Joystick to execute the selection. The screen is automatically returned to the previous Main Menu.
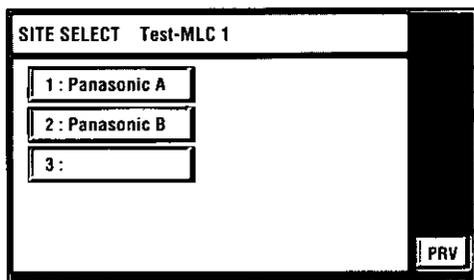


4. Press the Menu (**MENU**) Key to return to normal viewing.

**Notes:**
- During the MLC conference, numeric input is possible switched between the site selection [SITE SELECT] and the camera preset selection [PRESET].
  Press the Delete (**DELETE**) Key to select function alternately.
- If the numeric input is set at [SITE SELECT], the destination site for two way communication can be easily to select during the MLC conference only by pressing the Numeric Keys, without displaying any menu screen. (however, it is necessary to remember the MLC site number.)
- [SITE SELECT] or [PRESET] is displayed at the upper left corner on the monitor screen.

-17-

# SETUP & REGISTRATION

# 1. Quick Dial Registration

This menu is used to register up to 50 Quick Dial Numbers.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [REGIST] by moving the Joystick then press the Joystick to select the Registration Menu.
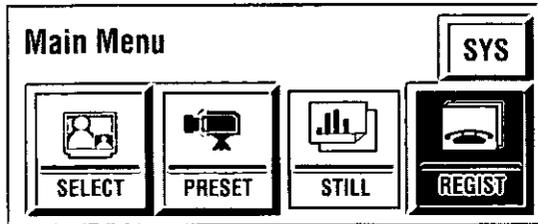


3. Press the Joystick to select the Quick Dial Registration Menu.
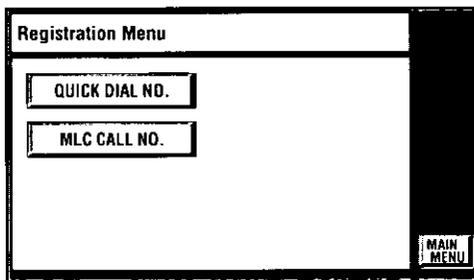


4. While in this menu, move the Joystick to the right to select the next page or move the Joystick to the left to back up to the previous page.
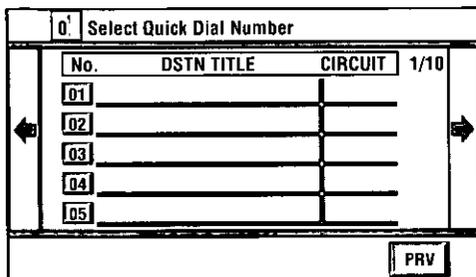


Move the high-lighted bar to the desired Quick Dial Number by moving the Joystick then press the Joystick to select Dial Number Input Menu.

5. Enter the Dial Numbers by pressing the Numeric Keys.
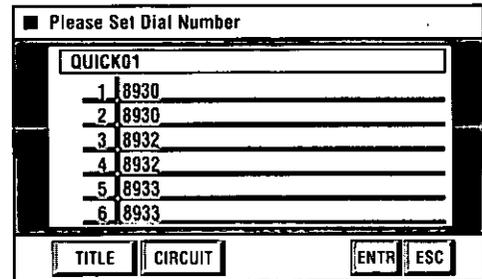


If a mistake is made, press the Delete (**DELETE**) Key to delete the number positioned immediately to the left of the cursor. Press the desired Numeric Keys to enter the correct number.

**Note:**

The Circuit Number is automatically set according to the number of line entered.

6. When changing the Circuit Number or the Circuit Type, move the high-lighted bar to [CIRCUIT] by moving the Joystick then press the Joystick to select the Circuit Setting Menu.
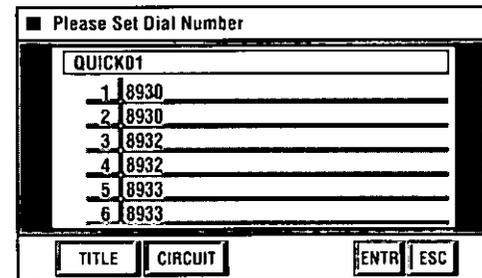


7. Move the high-lighted bar to the desired position by moving the Joystick then press the Joystick to select desired Circuit Number and Circuit Type.
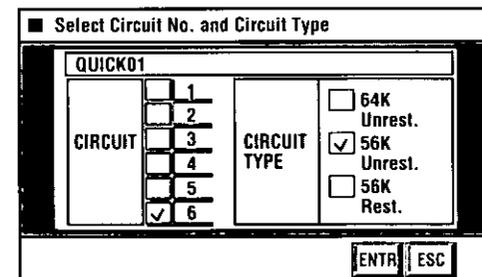


Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to execute the selection.
The menu returns to the previous Dial Number Input Menu automatically.

8. Move the high-lighted bar to [TITLE] by moving the Joystick then press the Joystick to select Title Setting Menu.

```
■ Please Set Dial Number
┌─────────────────────────────────────┐
│ QUICK01                             │
│     1 │8930                          │
│     2 │8930                          │
│     3 │8932                          │
│     4 │8932                          │
│     5 │8933                          │
│     6 │8933                          │
├─────────────────────────────────────┤
│  TITLE   CIRCUIT           ENTR  ESC │
└─────────────────────────────────────┘
```
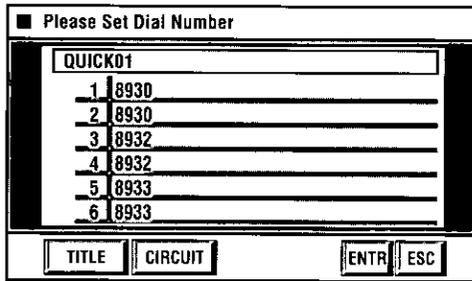
9. Select the desired character by moving the Joystick to place the cursor over the desired character. Then press the Joystick to pick up the character, and place it in the title area.

```
■ Please Enter Title
┌─────────────────────────────────────┐
│ QUICK01                             │
│                                      │
│  1 2 3 4 5 6 7 8 9 0 -    7 8 9     │
│  Q W E R T Y U I O P @ [    4 5 6   │
│  A S D F G H J K L      ]   1 2 3   │
│  Z X C V B N M , . / \      0       │
│                                      │
│   A   a                    ENTR  ESC │
└─────────────────────────────────────┘
```
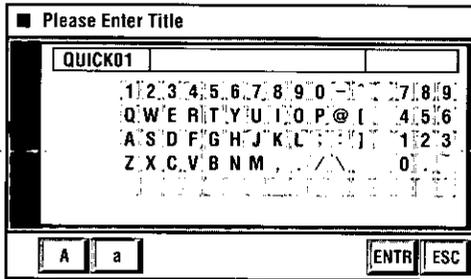
When entering the title, move the high-lighted bar to [A] or [a] by moving the Joystick then press the Joystick to select the Capital Letters or the Small Letters.

```
■ Please Enter Title
┌─────────────────────────────────────┐
│ QUICK01                             │
│                                      │
│  ! " # $ % & ' ( ) = ~ |   7 8 9    │
│  q w e r t y u i o p    {   4 5 6   │
│  a s d f g h j k l + ● }    1 2 3   │
│  z x c v b n m < > ? _      0       │
│                                      │
│   A   a                    ENTR  ESC │
└─────────────────────────────────────┘
```
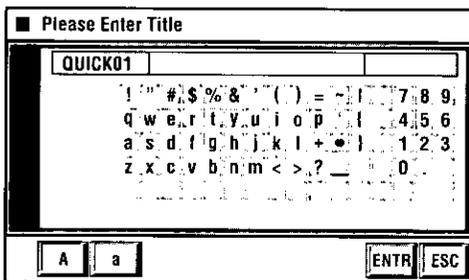
If a mistake is made, press the Delete (**DELETE**) Key to delete the character positioned immediately to the left of the cursor.
Select the desired character by moving the Joystick then press the Joystick to enter the correct character.

10. When the title is completed, move the high-lighted bar to [ENTR] by moving the Joystick. Press the Joystick to return to the previous Dial Number Input Menu.

```
■ Please Enter Title
┌─────────────────────────────────────┐
│ QUICK01   Panasonic A               │
│                                      │
│  1 2 3 4 5 6 7 8 9 0 -     7 8 9    │
│  Q W E R T Y U I O P @ [    4 5 6   │
│  A S D F G H J K L      ]   1 2 3   │
│  Z X C V B N M , . / \      0       │
│                                      │
│   A   a                    ENTR  ESC │
└─────────────────────────────────────┘
```
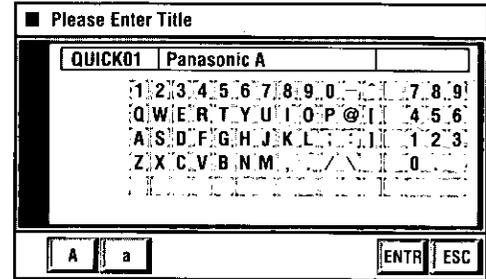
11. When satisfied with the result, move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to register the Quick Dial Number completed.

```
■ Please Set Dial Number
┌─────────────────────────────────────┐
│ QUICK01   Panasonic A           6   │
│     1 │8930                          │
│     2 │8930                          │
│     3 │8932                          │
│     4 │8932                          │
│     5 │8933                          │
│     6 │8933                          │
├─────────────────────────────────────┤
│  TITLE   CIRCUIT           ENTR  ESC │
└─────────────────────────────────────┘
```
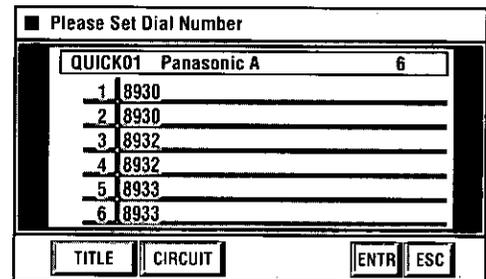
The screen on the monitor returns to the previous Quick Dial Registration Menu.

12. Repeat the above procedures to register other Quick Dial Numbers.

```
 0  Select Quick Dial Number
┌─────────────────────────────────────┐
│  No.      DSTN TITLE    CIRCUIT  1/10│
│  01  Panasonic A          6         │
│  02                                  │
│  03                                  │
│  04                                  │
│  05                                  │
│                              PRV    │
└─────────────────────────────────────┘
```
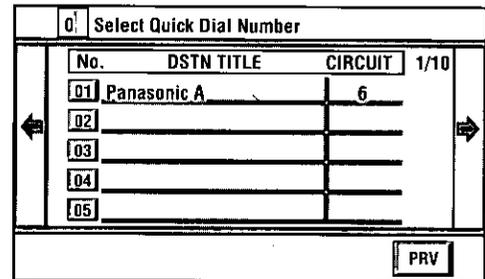
When Quick Dial Numbers are completely registered, move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the previous Registration Menu.

13. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the Main Menu. Press the Menu (**MENU**) Key to return to normal viewing.

## 2. MLC (Multi Location Conference) Registration

This menu is used to up to 10 MLC numbers.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [REGIST] by moving the Joystick then press the Joystick to select the Registration Menu.

```
 ┌─────────────────────────────┬──────┐
 │  Main Menu                  │ SYS  │
 │  ┌──────┬──────┬──────┬──────┐      │
 │  │ 👥   │ 📹   │ 📊   │ ☎    │      │
 │  ├──────┼──────┼──────┼──────┤      │
 │  │SELECT│PRESET│STILL │REGIST│      │
 │  └──────┴──────┴──────┴──────┘      │
 └─────────────────────────────────────┘
```
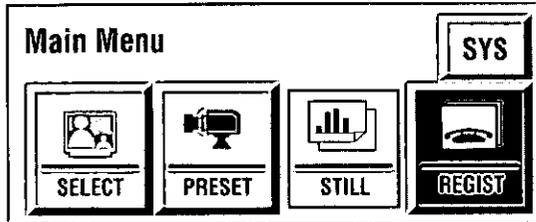
3. Move the high-lighted bar to [MLC CALL No.] by moving the Joystick then press the Joystick to select the MLC Number Registration Menu.

```
 ┌───────────────────────────────┐
 │ Registration Menu             │
 │  ┌─────────────────┐          │
 │  │ QUICK DIAL NO.  │          │
 │  └─────────────────┘          │
 │  ┌─────────────────┐          │
 │  │ MLC CALL NO.    │          │
 │  └─────────────────┘          │
 │                      ┌──────┐ │
 │                      │ MAIN │ │
 │                      │ MENU │ │
 │                      └──────┘ │
 └───────────────────────────────┘
```
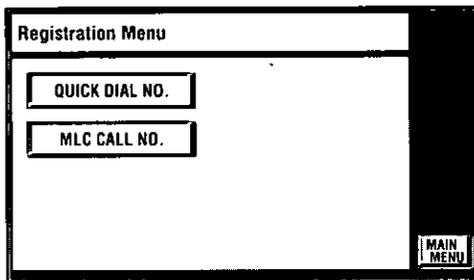
4. While in this menu, move the Joystick to the right or the left to select the next or previous pages respectively.

```
 ┌─0─┬─────────────────────────┐
 │ 0 │ Select MLC Number       │
 │   ├─────────────────────────┤
 │   │ No.    MLC TITLE   │ 1/2│
 │   │ [1]                │    │
 │ ◄ │ [2]                │  ► │
 │   │ [3]                │    │
 │   │ [4]                │    │
 │   │ [5]                │    │
 │   │              ┌─────┐    │
 │   │              │ PRV │    │
 │   └──────────────┴─────┘    │
 └─────────────────────────────┘
```
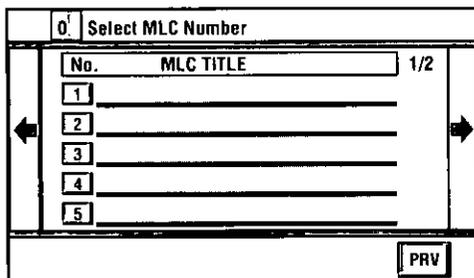
Move the high-lighted bar to the desired MLC Number by moving the Joystick then press the Joystick to select the MLC Site Number Registration Menu.

5. It is used to select the site number to receive the transmission from the calling point.

```
 ┌───────────────────────────────┐
 │ ■ Please Select MLC Site      │
 │   ┌──────────────────────┐    │
 │   │ MLC 1            1   │    │
 │   ├──────────────────────┤    │
 │   │ [1]                  │    │
 │   │ [2]                  │    │
 │   │ [3]                  │    │
 │   └──────────────────────┘    │
 │   ┌─────┐┌──────┐ ┌────┐┌───┐ │
 │   │TITLE││ MODE │ │ENTR││ESC│ │
 │   └─────┘└──────┘ └────┘└───┘ │
 └───────────────────────────────┘
```
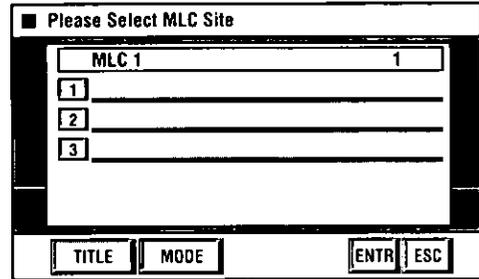
The MLC operates in two modes (3 Sites, 6 Sites), to change the mode.
Move the high-lighted bar to [MODE] by moving the Joystick then press the Joystick repeatedly to select the two modes alternately.

3 Sites: transmits the video and audio to three sites simultaneously.

6 Sites: transmits the audio to six sites simultaneously.

6. Move the high-lighted bar to the Site Number 1 by moving the Joystick then press the Joystick to select the MLC Site Selection Menu.
The Quick Dial Titles appear in the menu previously registered.
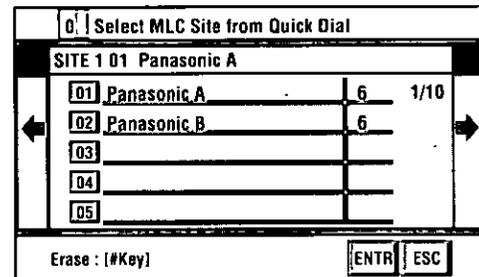
```
 ┌─0─┬─────────────────────────────┐
 │ 0 │ Select MLC Site from Quick Dial │
 │   ├─────────────────────────────┤
 │   │ SITE 1 01  Panasonic A      │
 │   │ [01] Panasonic A    │ 6 │1/10│
 │ ◄ │ [02] Panasonic B    │ 6 │  ► │
 │   │ [03]                │   │    │
 │   │ [04]                │   │    │
 │   │ [05]                │   │    │
 │   ├─────────────────────────────┤
 │   │ Erase : [#Key]     │ENTR│ESC││
 │   └─────────────────────────────┘
 └───────────────────────────────────┘
```

While in this menu, move the Joystick to the right to select the next page or move the Joystick to the left to back up to the previous page.

7. Move the high-lighted bar to the desired Quick Dial Number by moving the Joystick then press the Joystick to select the Quick Dial Number.
Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to execute the selection.
The menu returns to the previous MLC Site Number Registration Menu automatically.

```
 ┌─0─┬─────────────────────────────┐
 │ 0 │ Select MLC Site from Quick Dial │
 │   ├─────────────────────────────┤
 │   │ SITE 1 01  Panasonic A      │
 │   │ [01] Panasonic A    │ 6 │1/10│
 │ ◄ │ [02] Panasonic B    │ 6 │  ► │
 │   │ [03]                │   │    │
 │   │ [04]                │   │    │
 │   │ [05]                │   │    │
 │   ├─────────────────────────────┤
 │   │ Erase : [#Key]     │ENTR│ESC││
 │   └─────────────────────────────┘
 └───────────────────────────────────┘
```
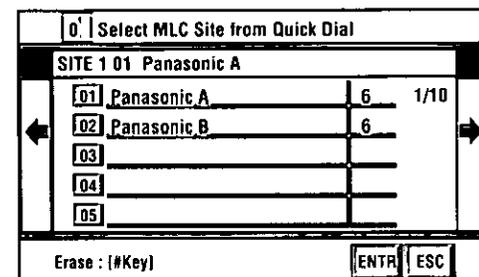
Move the high-lighted bar to Site Number 2 by moving the Joystick. Similarly, repeat the above procedure to select other MLC site numbers.

8. When MLC Site Numbers are completely registered, move the high-lighted bar to [TITLE] by moving the Joystick.
Press the Joystick to select the MLC Title Input Menu.

■ Please Select MLC Site

| MLC 1 | 2 |
| --- | --- |
| [1] Panasonic A | |
| [2] Panasonic B | |
| [3] | |

| TITLE | MODE | ENTR | ESC |
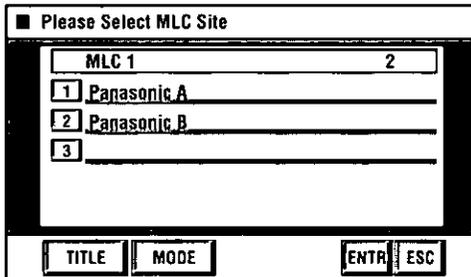
9. Enter the desired characters similar to register the Quick Dial .
See page 21 for registration method.
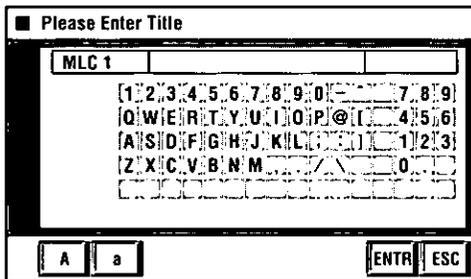
■ Please Enter Title

| MLC 1 | | |

[1][2][3][4][5][6][7][8][9][0][ ][ ][7][8][9]
[Q][W][E][R][T][Y][U][I][O][P][@][ ][4][5][6]
[A][S][D][F][G][H][J][K][L][ ][ ][1][2][3]
[Z][X][C][V][B][N][M][ ][/][ ][ ][0][ ]

| A | a | ENTR | ESC |

When satisfied with all of the above steps, move the high-lighted bar to [ENTR] by moving the Joystick. Then press the Joystick to return to the previous MLC Site Number Registration Menu.

10. Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to return to the previous MLC Number Registration Menu.

■ Please Select MLC Site

| MLC 1   Test-MLC 1 | 2 |
| --- | --- |
| [1] Panasonic A | |
| [2] Panasonic B | . |
| [3] | |

| TITLE | MODE | ENTR | ESC |
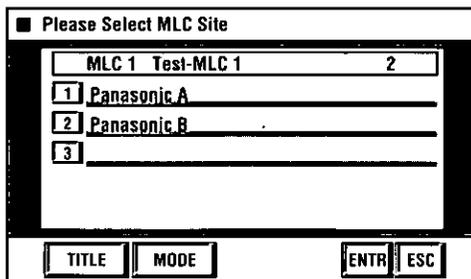
11. Repeat the above procedures to register other MLC numbers.

| 0 | Select MLC Number | |
| --- | --- | --- |

| No. | MLC TITLE | 1/2 |
| --- | --- | --- |
| [1] | Test-MLC 1 | |
| [2] | | |
| [3] | | |
| [4] | | |
| [5] | | |

| PRV |
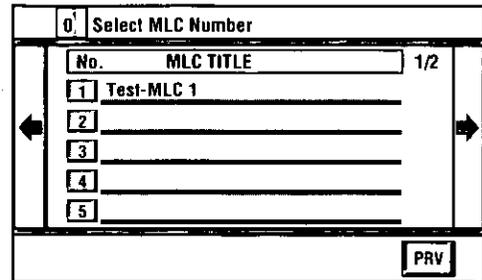
When MLC numbers are completely registered, move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the previous Registration Menu.

12. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the Main Menu.
Press the Menu (**MENU**) Key to return to normal viewing.

# 3. Setting Camera's Preset Positions

This menu is used to register the preset position for the Main Camera. Up to 8 preset position may be registered.

## (1) Storing Preset Positions at Local Site
The following functions are available during the conference.

1. Press the Menu (MENU) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [PRESET] by moving the Joystick then press the Joystick to display the Preset Menu.
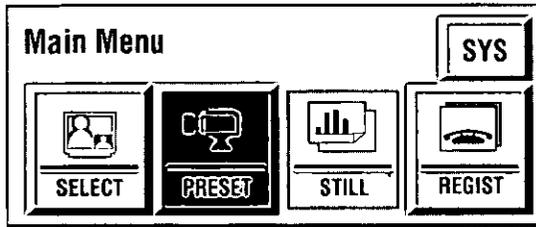


3. Enter the desired Preset Position Number, 1-8, by pressing the Numeric Keys.
   When press the Numeric Keys, the camera moves to the preset position previously stored.
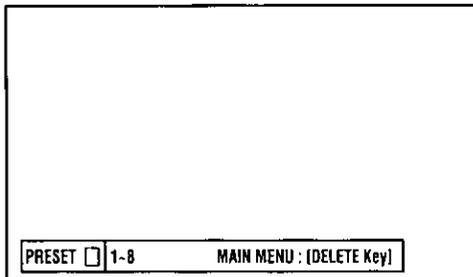


4. Set the desired preset position by moving the Joystick, and adjust the zoom and focus by pressing the Zoom (TELE/WIDE) Keys and Focus (FAR/NEAR) Keys.
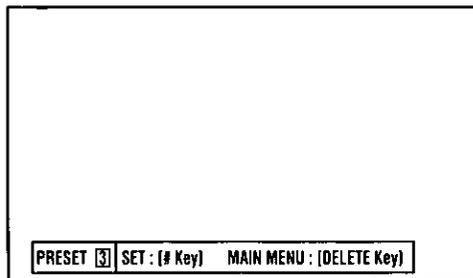


When satisfied with the position, press the Numeric (#) Key to complete the settings.

5. Repeat the above procedures to register the other Preset Position Numbers.

6. When all settings are completed, press the Delete (DELETE) Key to return to the Main Menu.
   Then press the Menu (MENU) Key to return to normal viewing.

   **Caution:** New registration of presets will delete the old presets.

## (2) Storing Preset Positions at Destination Site.
The following operation is available only during the conference.

1. Press the Menu (MENU) Key to display the Main Menu on the screen.

2. Move the high-lighted bar to [DSTN] by moving the Joystick then press the Joystick to execute the selection.
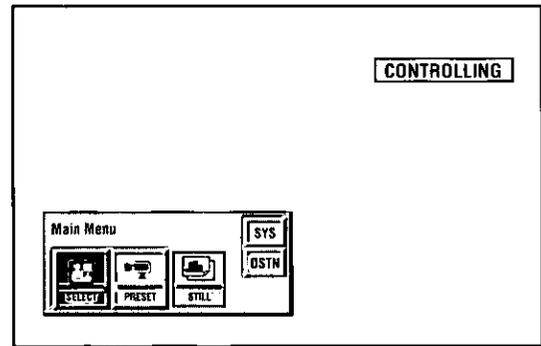


"CONTROLLING" display appears on the upper right corner of the monitor screen.
Now, the destination site camera can be controlled from the local site.

3. Move the high-lighted bar to [PRESET] by moving the Joystick then press the Joystick to display the Preset Menu.
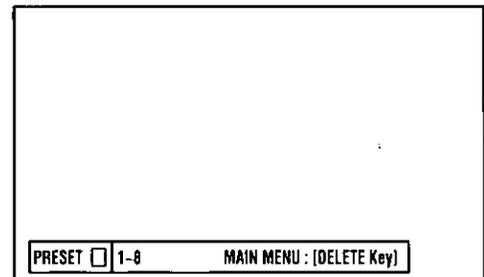


Similarly, repeat the procedures as described for the local camera preset registration.

4. Press the Delete (DELETE) Key to return to the Main Menu.

5. Move the high-lighted bar to [DSTN] by moving the Joystick then press the Joystick to execute the selection.
   Press the Menu (MENU) Key to return to normal viewing.

# SYSTEM SETUP

When System [SYS] on the Main Menu is selected by the Joystick, the user will gain access to system setup menu.
As shown below, the System Setup Menu has eight main sub menus:
Picture, Audio, Data Port, SPID Register, Diagnostics, Receive Mode, System Configuration and Service.

Two of these sub menus; Picture and Diagnostics, are further divided in to additional submenus.
While the System Setup Menu is displayed, the "SERVICE" menu is available. This item is, however, not generally used since it is intended exclusively for authorized factory service personnel.
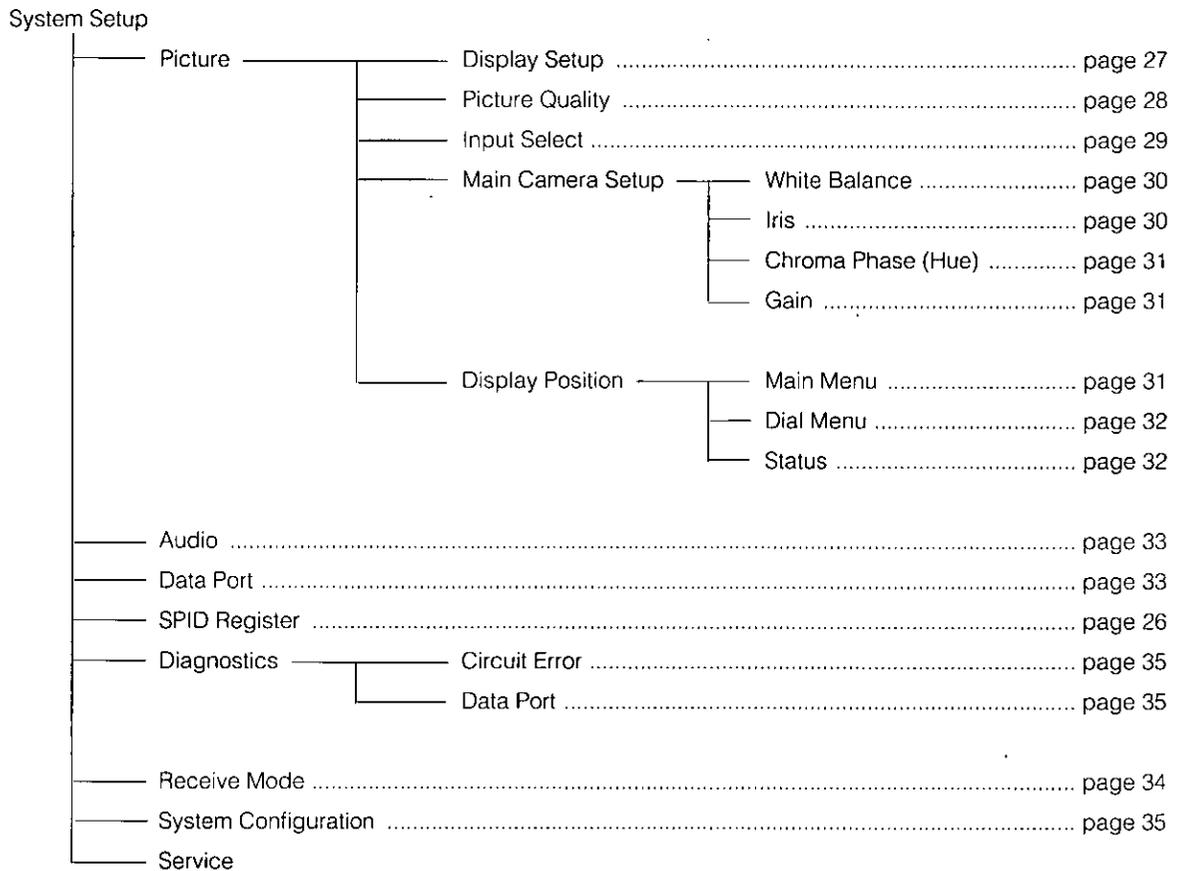
# 1. SPID Registration

Each line has two data circuits, named 1B and 2B. Each circuit can transmit video and audio signals.
Network selection should be setup after consulting with the phone company. If the setting is uncorrectly made, the system may fail to operate.
SPID (User Entry of Service Profile Identification), if the network required a SPID you must enter it.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

```
Main Menu                        SYS

  ┌────────┐ ┌────────┐ ┌────────┐ ┌────────┐
  │   🖼️   │ │   📹   │ │  📊   │ │  ☎    │
  ├────────┤ ├────────┤ ├────────┤ ├────────┤
  │ SELECT │ │ PRESET │ │ STILL  │ │ REGIST │
  └────────┘ └────────┘ └────────┘ └────────┘
```
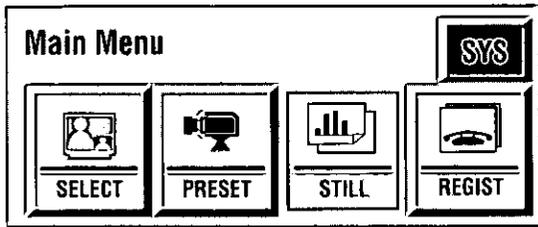
3. Move the high-lighted bar to [SPID REG] by moving the Joystick then press the Joystick to select the SPID Registration Menu.

```
SYSTEM SET-UP MENU              S-1

   ┌──────────┐      ┌──────────────┐
   │ PICTURE  │      │ DIAGNOSTICS  │
   └──────────┘      └──────────────┘
   ┌──────────┐      ┌──────────────┐
   │  AUDIO   │      │ RECEIVE MODE │
   └──────────┘      └──────────────┘
   ┌──────────┐      ┌──────────────┐
   │DATA PORT │      │SYSTEM CONFIG.│
   └──────────┘      └──────────────┘
   ┌──────────┐      ┌──────────────┐   ┌────┐
   │ SPID REG.│      │  SERVICE     │   │MAIN│
   └──────────┘      └──────────────┘   │MENU│
                                        └────┘
```
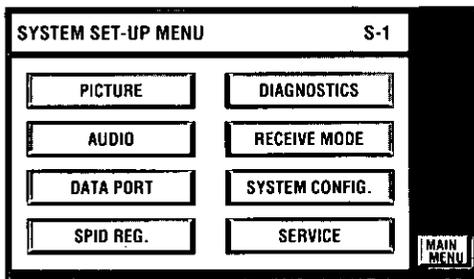
4. Move the high-lighted bar to the required network by moving the Joystick then press the Joystick to execute the selection.

**NET 64:** NTT NET 64
**NI. 1:** National ISDN. 1
**ATT 1:** AT & T CUSTOM (2 TEI)
**ATT 2:** AT & T CUSTOM (1 TEI)
SPID is not required

```
SPID REG.   │ SPID Reg. & NET Sel.   SH-1

  NETWORK   ║      SPID INPUT FIELD
 ☐ NET 64   │ 1B│                    │
 ☐ N I . 1  │ 2B│                    │
 ☑ A T T 1  │ 3B│                    │
   (SPID ON)│ 4B│                    │  │REG.│
 ☐ A T T 2  │ 5B│                    │
   (SPID OFF)│6B│                    │  │PRV │
```
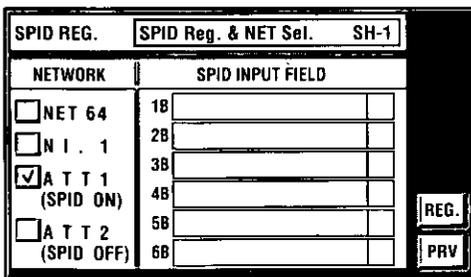
**Note:** Initially, "ATT2" is selected at the factory.

5. Move the high-lighted bar to the SPID INPUT FIELD by moving the Joystick then enter the SPID by pressing the Numeric Keys.

```
SPID REG.   │ SPID Reg. & NET Sel.   SH-1

  NETWORK   ║      SPID INPUT FIELD
 ☐ NET 64   │ 1B│1234567890123456789│ O│
 ☐ N I . 1  │ 2B│71453312601        │ O│
 ☑ A T T 1  │ 3B│71453312601        │ · │
   (SPID ON)│ 4B│71453312601        │ · │  │REG.│
 ☐ A T T 2  │ 5B│71453312601        │ · │
   (SPID OFF)│6B│71453312601        │ · │  │PRV │
```
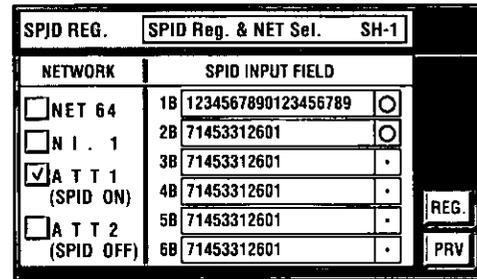
6. Move the high-lighted bar to [REG] by moving the Joystick then press the Joystick to register SPID.

7. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the previous System Set-up Menu.

8. Move the high-lighted bar to [MAIN MENU] by moving the Joystick, then press the Joystick to return to the Main Menu. Press the Menu (**MENU**) Key to return to normal viewing.

**Cautions:**
- Please wait (10) seconds after [REG] is selected to initialize the system.
- "O" is displayed on the each circuit when SPID is registered correctly and matches the switch SPID assignment.

-26-

## 2. Display Setup

This menu is required to setup display for Picture in Picture, Duration and Title.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Setup Menu.

**Main Menu**   SYS

| SELECT | PRESET | STILL | REGIST |

3. Move the high-lighted bar to [PICTURE] by moving the Joystick then press the Joystick to select the Picture Menu.

| SYSTEM SET-UP MENU | S-1 |
| --- | --- |
| PICTURE | DIAGNOSTICS |
| AUDIO | RECEIVE MODE |
| DATA PORT | SYSTEM CONFIG. |
| SPID REG. | SERVICE |

MAIN MENU
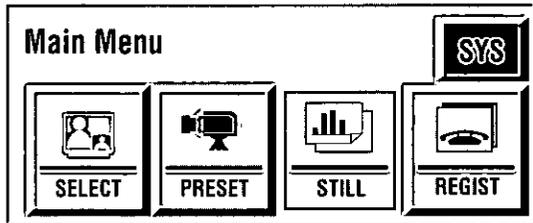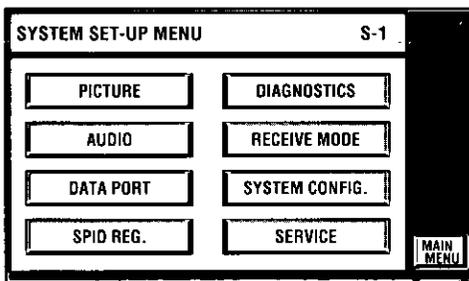
4. Move the high-lighted bar to [DISPLAY SET-UP] by moving the Joystick then press the Joystick to select the Display Set-up Menu.
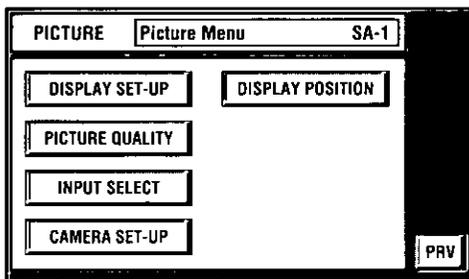
| PICTURE | Picture Menu | SA-1 |
| --- | --- |
| DISPLAY SET-UP | DISPLAY POSITION |
| PICTURE QUALITY | |
| INPUT SELECT | |
| CAMERA SET-UP | |

PRV

5. Move the high-lighted bar to the desired modes by moving the Joystick then press the Joystick to select the desired mode.

| PICTURE | Display Set-Up | | SA-2 |
| --- | --- | --- | --- |
| PinP | DURATION | TITLE | |
| ☑ On ☐ Off | ☑ On ☐ Off | ☑ On ☐ Off | |

ENTR
ESC
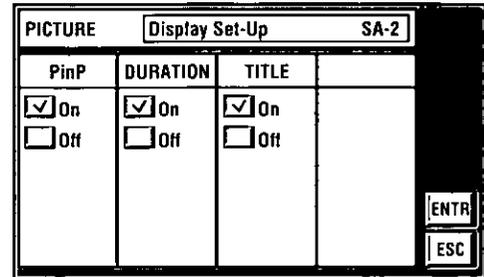
**P in P On:** The local site picture is displayed at picture in picture screen during the conference.

**Duration On:** The meeting time is displayed in hours and minutes at the upper right corner of the monitor screen.

**Title On:** The name of the displayed screen is displayed at the upper left corner of the monitor screen.

**Note:** Initially, all modes are selected "On" at the factory.

6. Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to return to the previous Picture Menu.

7. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the System Setup Menu.

8. Move the high-lighted bar to [MAIN MENU] by moving the Joystick then press the Joystick to return to the Main Menu.
   Press the Menu (**MENU**) Key to return to normal viewing of the conference and/or picture.

## 3. Picture Quality Setup

This menu is used to setup resolution, motion and sharpness.

1. Press the Menu (**MENU**) Key to display the Main Menu on the screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

```
Main Menu                    SYS
 ┌──────┐ ┌──────┐ ┌──────┐ ┌──────┐
 │  👥  │ │  📷  │ │  📊  │ │  📀  │
 │SELECT│ │PRESET│ │STILL │ │REGIST│
 └──────┘ └──────┘ └──────┘ └──────┘
```

3. Move the high-lighted bar to [PICTURE] by moving the Joystick then press the Joystick to select the Picture Menu.

```
SYSTEM SET-UP MENU              S-1
 ┌──────────┐    ┌──────────────┐
 │ PICTURE  │    │ DIAGNOSTICS  │
 └──────────┘    └──────────────┘
 ┌──────────┐    ┌──────────────┐
 │  AUDIO   │    │ RECEIVE MODE │
 └──────────┘    └──────────────┘
 ┌──────────┐    ┌──────────────┐
 │DATA PORT │    │ SYSTEM CONFIG.│
 └──────────┘    └──────────────┘
 ┌──────────┐    ┌──────────────┐
 │ SPID REG.│    │   SERVICE    │  MAIN
 └──────────┘    └──────────────┘  MENU
```
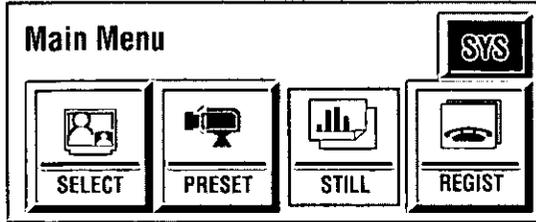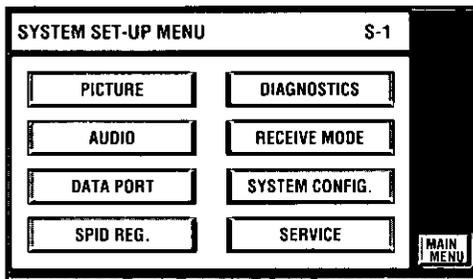
4. Move the high-lighted bar to [PICTURE QUALITY] by moving the Joystick then press the Joystick to select the Picture Quality Set-up Menu.
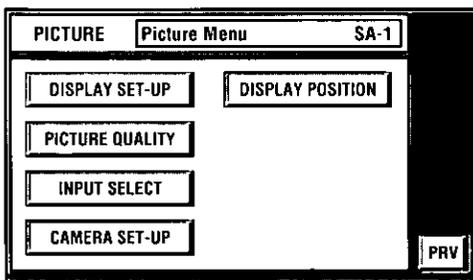
```
PICTURE   Picture Menu        SA-1
 ┌──────────────┐  ┌──────────────────┐
 │DISPLAY SET-UP│  │ DISPLAY POSITION │
 └──────────────┘  └──────────────────┘
 ┌──────────────┐
 │PICTURE QUALITY│
 └──────────────┘
 ┌──────────────┐
 │ INPUT SELECT │
 └──────────────┘
 ┌──────────────┐
 │CAMERA SET-UP │              PRV
 └──────────────┘
```

5. Move the high-lighted bar to the desired modes by moving the Joystick then press the Joystick to select the desired mode.

```
PICTURE   Picture Quality Set-up   SA-3
 RESOLUTION   MOTION     SHARPNESS
 ☑ Full CIF   ☐ Fast     ☐ Sharp
 ☐ QCIF       ☑ Normal   ☑ Normal
              ☐ Slow     ☐ Soft
                                 ENTR
                                 ESC
```
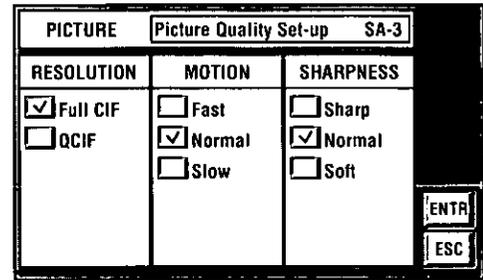
**(1) Resolution Setup**
   **Full CIF:** should be set to this mode.
   **QCIF:** The resolution is lowered, but the picture motion becomes faster.

**(2) Motion Setup**
   **Fast:** The picture motion becomes faster, but the picture quality is lowered.
   **Normal:** Normally should be set to this mode.
   **Slow:** The picture motion becomes slower, but the picture quality is improved.

**(3) Sharpness Setup**
   **Sharp:** The sharpness is emphasized.
   **Normal:** Normally should be set to this mode.
   **Soft:** No sharpness emphasis is effected.

   **Note:** Initially, the following modes are selected at the factory.
   | | |
   |---|---|
   | Resolution: | Full CIF |
   | Motion: | Normal |
   | Sharpness: | Normal |

6. When all settings are completed, move the high-lighted bar to [ENTR] by moving the Joystick. Press the Joystick to return to the previous Picture Menu.

7. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the System Setup Menu.

## 4. Input Selection Setup

This menu is used to set-up the video input for the main input, sub input and line input.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

```
Main Menu                    SYS

   [icon]    [icon]    [icon]    [icon]
  SELECT    PRESET    STILL    REGIST
```

3. Move the high-lighted bar to [PICTURE] by moving the Joystick then press the Joystick to select the Picture Menu.

```
SYSTEM SET-UP MENU                S-1

   PICTURE          DIAGNOSTICS

   AUDIO            RECEIVE MODE

   DATA PORT        SYSTEM CONFIG.

   SPID REG.        SERVICE        MAIN
                                   MENU
```
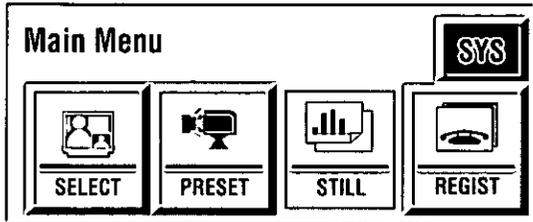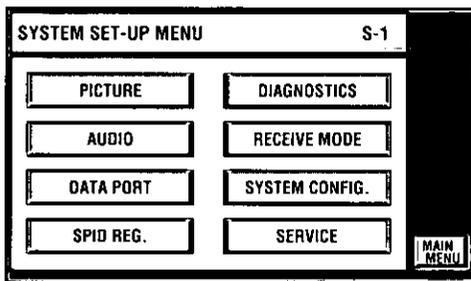
4. Move the high-lighted bar to [INPUT SELECT] by moving the Joystick then press the Joystick to select Input Select Menu.
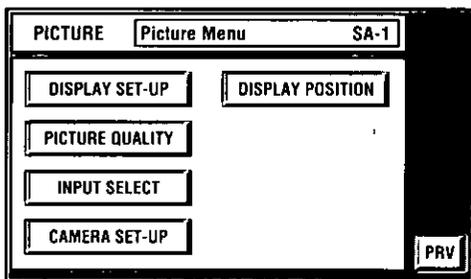
```
PICTURE    Picture Menu       SA-1

   DISPLAY SET-UP    DISPLAY POSITION

   PICTURE QUALITY

   INPUT SELECT

   CAMERA SET-UP
                                   PRV
```

5. Move the high-lighted bar to the desired modes by moving the Joystick then press the Joystick to select the desired mode.

```
PICTURE    Input Select        SA-4

  MAIN        SUB          LINE

☑ Y/C       ☑ Y/C        ☑ Y/C
☐ Composite ☐ Composite  ☐ Composite

 Gen-Lock    Gen-Lock

☑ VD2       ☐ VD2                ENTR
☐ None      ☑ None               ESC
```
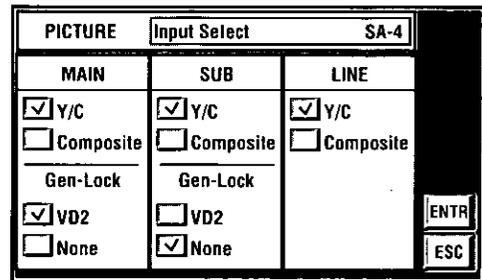
(1) Set up the video input for the Main Input
   **Y/C:** Select if the S-Video Output is connected.
   **Composite:** Select if the composite video output is connected.
(2) Set up the synchronization for the Main Input
   **VD2:** Select if this is applicable to camera used
   **None:** Select if this is not applicable to VD2
(3) Set up the video input for the Sub Input
   **Y/C:** Select if the S-Video output is connected.
   **Composite:** Select if the composite video output is connected.
(4) Set up the synchronization for the Sub Input
   **VD2:** Select if this is applicable to camera used
   **None:** Select if this is not applicable to VD2
(5) Set up the video input for the Line Input
   **Y/C:** Select if the S-Video output is connected.
   **Composite:** Select if the composite video output is connected.

   **Note:** Initially, the following modes are selected at the factory.
   Main Input: Y/C, VD2
   Sub Input: Y/C, None
   Line Input: Y/C

6. Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to return to the previous Picture Menu.

7. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the System Setup Menu.

## 5. Main Camera Setup

This menu is used to adjust and set-up the video signal of the Main Camera to meet the customer's requirement.
The White Balance, Lens Iris, Chroma Phase (Hue) and Gain could be adjusted using the on-screen menu.

1.  Press the Menu (**MENU**) Key to display the Main Menu on the screen.

2.  Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.
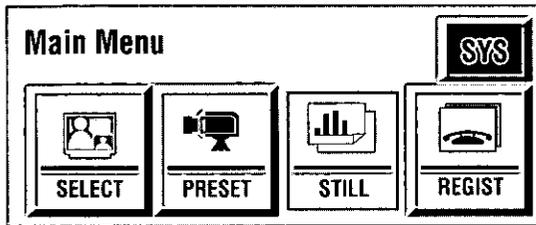


3.  Move the high-lighted bar to [PICTURE] by moving the Joystick then press Joystick to select the Picture Menu.
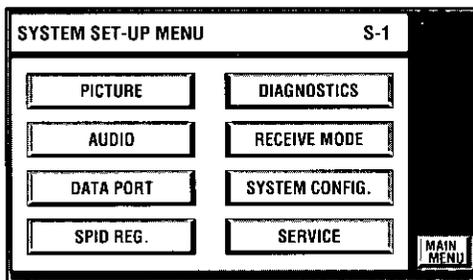


4.  Move the high-lighted bar to [CAMERA SET-UP] by moving the Joystick then press the Joystick to select the Camera Set-up Menu.
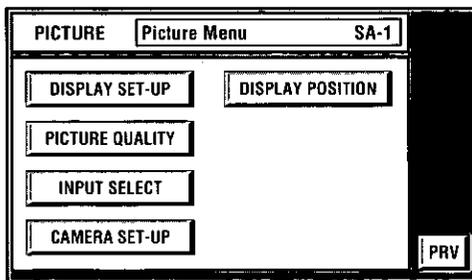


5.  Move the high-lighted bar to the each item by moving the Joystick then adjust the camera by pressing the Joystick.
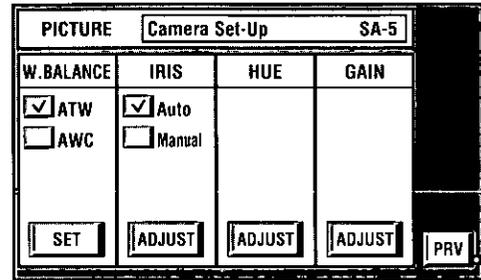


6.  White Balance Setting
    **ATW:** Selects this mode, white balance is automatically adjusted according to the color temperature of the object.
    **AWC:** Selects [SET] on the menu screen, the following submenu is displayed.
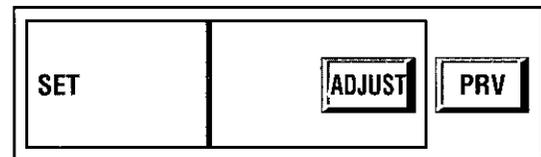


(1)  Aim the camera at white chart or sheet.
(2)  Select [ADJUST] by pressing the Joystick, to adjust the white balance.
(3)  Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the Camera Setup Menu.

7.  Iris Settings
    **Auto:** selects this mode, lens iris is automatically adjusted.
    **Manual:** selects [ADJUST] on the menu screen, the following submenu is displayed.
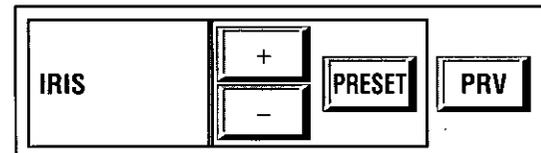


(1)  Select desired position by pressing the Joystick
    +: the lens iris is opened
    PRESET: normally set at this position
    −: the lens iris is closed
(2)  After adjustment, move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the Camera Setup Menu.

8. Chroma Phase (Hue) Adjustment

The following adjustment should be made if the color does not match between the Main Camera and the Sub Camera.

(1) Select [ADJUST] on the menu by pressing the Joystick, the following submenu is displayed.

```
┌──────────────────────────────────────┐
│          ┌─────┐               │
│          │  +  │               │
│  HUE     ├─────┤ │PRESET│  │ PRV │  │
│          │  -  │               │
│          └─────┘               │
└──────────────────────────────────────┘
```
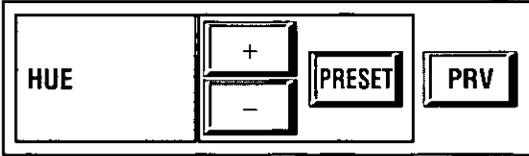
(2) Select desired position by pressing the Joystick.
+: adjasts, Green color is intensified
PRESET: normally set at this position
−: adjasts, Red color is intensified

(3) Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the Camera Setup Menu.

9. Gain Control

The following adjustment should be made according to the lighting condition of the room, too dark or too bright.

(1) Select [ADJUST] on the menu by pressing the Joystick, the following submenu is displayed.

```
┌──────────────────────────────────────┐
│                                      │
│  GAIN    │LOW│ │MED│ │HIGH│ │ PRV │  │
│                                      │
└──────────────────────────────────────┘
```
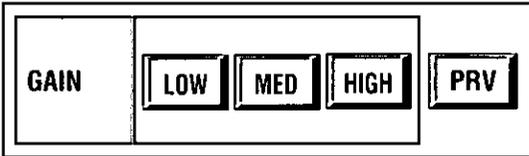
(2) Select desired mode by pressing the Joystick.
LOW: sensitivity is lowered
MED: normally select this position
HIGH: sensitivity is raised

(3) Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the Camera Setup Menu.

10. When satisfied with all of the above steps, move the high-lighted bar to [PRV] by moving the Joystick. Then press the Joystick to return to the Picture Menu.

11. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the System Setup Menu.

**Note:** Initially, the following modes are selected at the factory.
White Balance: ATW
Iris : Auto
Hue: PRESET
Gain: MED

# 6. Display Position Setup

This menu is used to Set-up the display position for the Main Menu, Dial Menu and Status.

1. Press the Menu (**MENU**) Key to display the Main Menu on the screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

```
┌──────────────────────────────────────┐
│  Main Menu                  │SYS│    │
│   ┌────┐ ┌────┐ ┌────┐ ┌────┐        │
│   │    │ │    │ │    │ │    │        │
│   └────┘ └────┘ └────┘ └────┘        │
│  SELECT  PRESET  STILL   REGIST      │
└──────────────────────────────────────┘
```

3. Move the high-lighted bar to [PICTURE] by moving the Joystick then press the Joystick to select the Picture Menu.

```
┌──────────────────────────────────────┐
│  SYSTEM SET-UP MENU          S-1     │
│   ┌──────────┐  ┌──────────────┐     │
│   │ PICTURE  │  │ DIAGNOSTICS  │     │
│   ├──────────┤  ├──────────────┤     │
│   │  AUDIO   │  │ RECEIVE MODE │     │
│   ├──────────┤  ├──────────────┤     │
│   │ DATA PORT│  │ SYSTEM CONFIG.│    │
│   ├──────────┤  ├──────────────┤     │
│   │ SPID REG.│  │   SERVICE    │ │MAIN││
│   └──────────┘  └──────────────┘ │MENU││
└──────────────────────────────────────┘
```
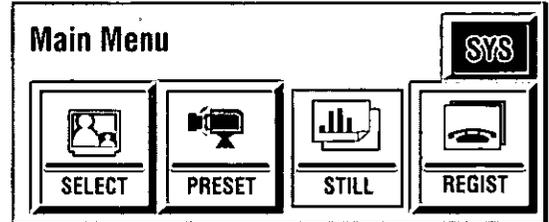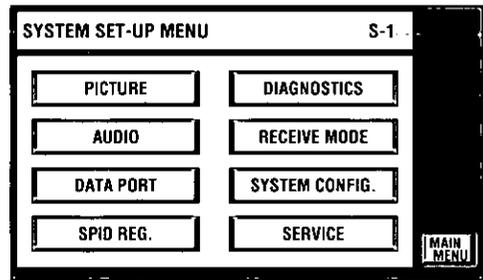
4. Move the high-lighted bar to [DISPLAY POSITION] by moving the Joystick then press the Joystick to select the Display Position Set-up Menu.

```
┌──────────────────────────────────────┐
│  PICTURE  │Picture Menu      SA-1│   │
│  ┌───────────────┐ ┌──────────────┐  │
│  │ DISPLAY SET-UP│ │DISPLAY POSITION│ │
│  ├───────────────┤ └──────────────┘  │
│  │ PICTURE QUALITY│                  │
│  ├───────────────┤                   │
│  │ INPUT SELECT  │                   │
│  ├───────────────┤                   │
│  │ CAMERA SET-UP │             │PRV│ │
│  └───────────────┘                   │
└──────────────────────────────────────┘
```
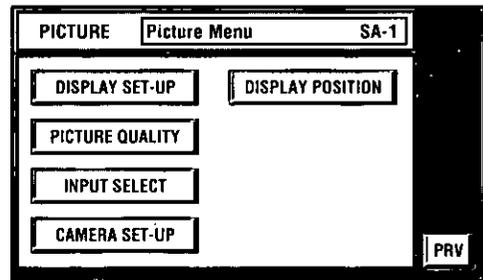
5. Move the high-lighted bar to [MAIN MENU POS.] by moving the Joystick then press the Joystick to select the Main Menu Position.
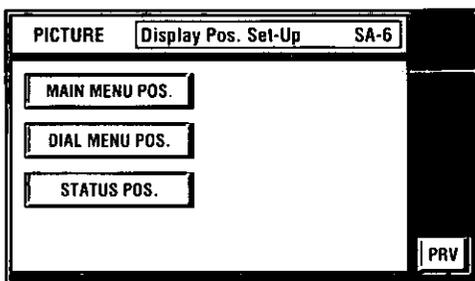
```
PICTURE   | Display Pos. Set-Up      SA-6 |
  ┌─────────────────┐
  │ MAIN MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │ DIAL MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │   STATUS POS.   │
  └─────────────────┘
                                    | PRV |
```

6. Adjust the display position to the desired position on the screen by moving the Joystick then press the Numeric (#) Key to execute the setting. The screen returns to the previous Display Position Set-up Menu.

```
          Main Menu Pos.
          ENTR : [# Key]
          ESC  : [DELETE Key]
               △
             ◁ ▷  ┌────┐
               ▽  └────┘
```
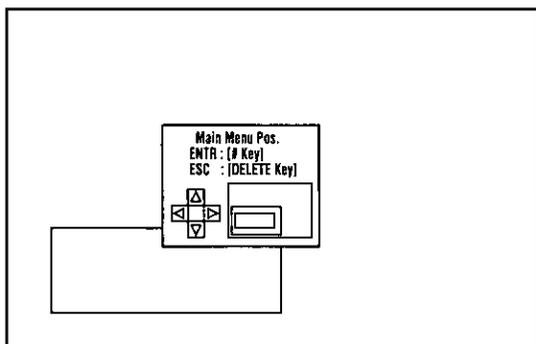
If you decide not to change the position, press the Delete (**DELETE**) Key to return to the Display Position Set-up Menu.

7. Move the high-lighted bar to [DIAL MENU POS.] by moving the Joystick then press the Joystick to select the Dial Menu Position Set-up.
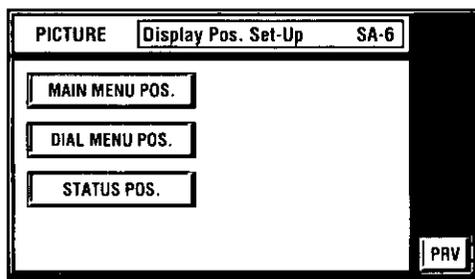
```
PICTURE   | Display Pos. Set-Up      SA-6 |
  ┌─────────────────┐
  │ MAIN MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │ DIAL MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │   STATUS POS.   │
  └─────────────────┘
                                    | PRV |
```

8. Adjust the display position to the desired position on the screen by moving the Joystick then press the Numeric (#) Key to execute the setting. The screen returns to the previous Display Position Set-up Menu.

```
          Dial Menu Pos.
          ENTR : [# Key]
          ESC  : [DELETE Key]
               △
             ◁ ▷  ┌────┐
               ▽  └────┘
```
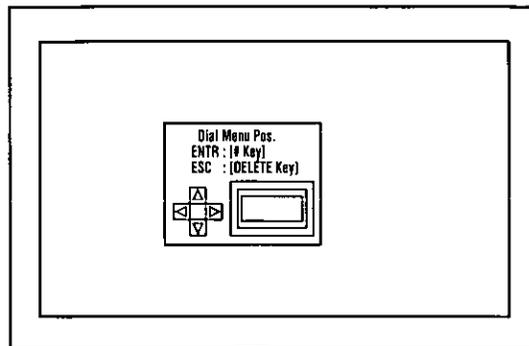
If you decide not to change the position, press the Delete (**DELETE**) Key to return to the Display Position Set-up Menu.

9. Move the high-lighted bar to [STATUS POS.] by moving the Joystick then press the Joystick to select Status Position Set-up.

```
PICTURE   | Display Pos. Set-Up      SA-6 |
  ┌─────────────────┐
  │ MAIN MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │ DIAL MENU POS.  │
  └─────────────────┘
  ┌─────────────────┐
  │   STATUS POS.   │
  └─────────────────┘
                                    | PRV |
```
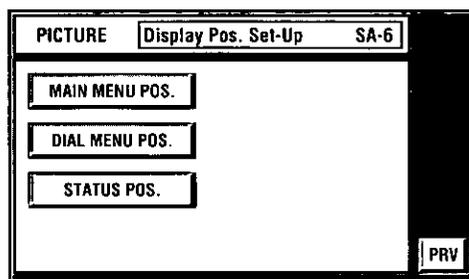
10. Adjust the display position to the desired position on the screen by moving the Joystick then press the Numeric (#) Key to execute the setting. The screen return to the previous Display Position Set-up Menu.
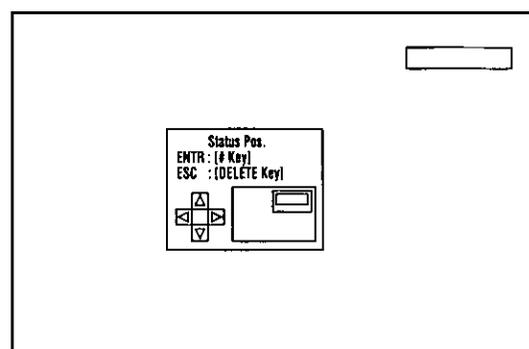
```
                              ┌──────┐
                              └──────┘
          Status Pos.
          ENTR : [# Key]
          ESC  : [DELETE Key]
               △
             ◁ ▷  ┌────┐
               ▽  └────┘
```

If you decide not to change the position, press the Delete (**DELETE**) Key to return to the Display Position Set-up Menu.

11. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the Picture Menu.

12. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the System Setup Menu.

-32-

## 7. Audio Set-up

This menu is used to setup the Lip Synchronization (to make video movements coincide with audio)
Lip Synchronization setting can be effected during the conference.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

**Main Menu**  [SYS]

| SELECT | PRESET | STILL | REGIST |
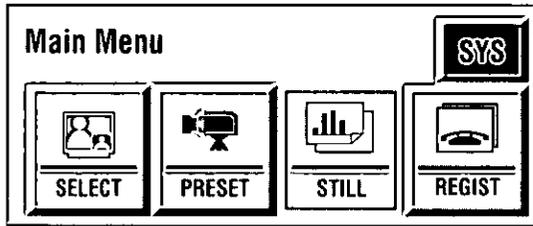
3. Move the high-lighted bar to [AUDIO] by moving the Joystick then press the Joystick to select the Audio Set-up Menu.
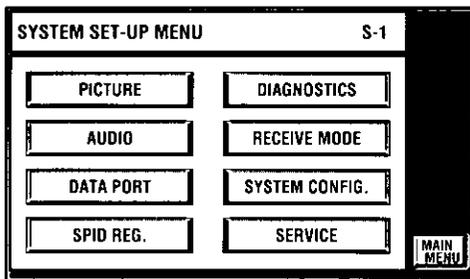
**SYSTEM SET-UP MENU**     S-1

| PICTURE | DIAGNOSTICS |
| AUDIO | RECEIVE MODE |
| DATA PORT | SYSTEM CONFIG. |
| SPID REG. | SERVICE |

[MAIN MENU]

4. Move the high-lighted bar to the desired mode by moving the Joystick then press the Joystick to execute the selection.

| AUDIO | Audio Set-up | SB-1 |
|---|---|---|
| **LIP SYNC** | | |
| ☑ On | | |
| ☐ Off | | |

[ENTR] [ESC]
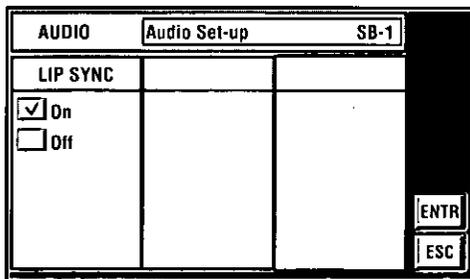
5. Move the high-lighted bar to [ENTR] by moving the Joystick then press the Joystick to return to the previous System Setup Menu.

   **Note:** Initially, LIP SYNC is selected "On" at the factory.

## 8. Data Port Setup

This menu is used to set the Communication Parameters between the Personal Computer and the AV Codec.

1. Press the Menu (**MENU**) Key to display the Main Menu on the screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Set-up Menu.

**Main Menu**  [SYS]

| SELECT | PRESET | STILL | REGIST |
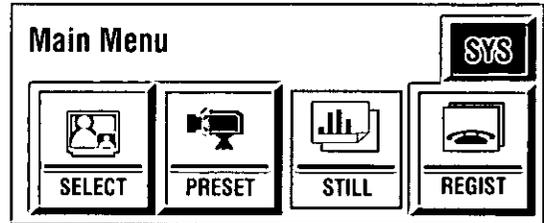
3. Move the high-lighted bar to [DATA PORT] by moving the Joystick then press the Joystick to select the Data Port Set-up Menu.

**SYSTEM SET-UP MENU**     S-1

| PICTURE | DIAGNOSTICS |
| AUDIO | RECEIVE MODE |
| DATA PORT | SYSTEM CONFIG. |
| SPID REG. | SERVICE |

[MAIN MENU]
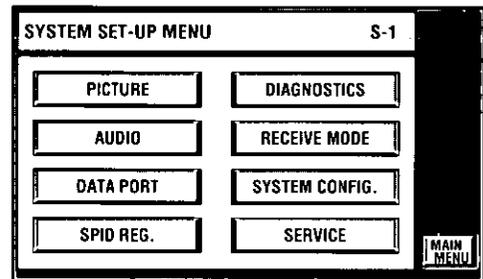
4. Move the high-lighted bar to the desired item by moving the Joystick then press the Joystick to execute the selection.

| DATA PORT | Data Port Set-up | | SC-1 |
|---|---|---|---|
| **BAUD RATE** | **BIT LENGTH** | **STOP BIT** | **PARITY** |
| ☐ 1200 | ☐ 7bit | ☑ 1bit | ☐ Odd |
| ☑ 2400 | ☑ 8bit | ☐ 2bit | ☐ Even |
| ☐ 4800 | | | ☑ None |

[ENTR] [ESC]
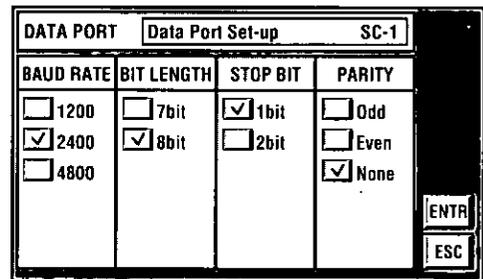
(1) Baud Rate

Select Baud Rate from 1200, 2400, and 4800, then press the Joystick to execute the selection.

(2) Bit Length

Select Bit Length from 7 bit and 8 bit, then press the Joystick to execute the selection.

(3) Stop Bit

Select Stop Bit from 1 bit and 2 bit, then press the Joystick to execute the selection.

(4) Parity Check

Select Parity Check from Odd, Even and None, then press the Joystick to execute the selection.

5. When satisfied with all of above steps, move the high-lighted bar to [ENTR] by moving the Joystick, then press the Joystick to return to the previous System Setup Menu.

**Note:** Initially, the following modes are selected at the factory.

Baud Rate:      2400
Bit Length:      8 bit
Stop Bit:        1 bit
Parity Check:   None

## 9. Receive Mode Setup

This menu is used to setup the receiving call mode.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Setup Menu.
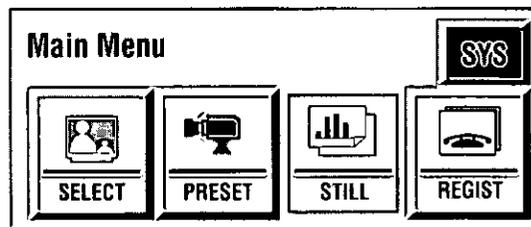


3. Move the high-lighted bar to [RECEIVE MODE] by moving the Joystick then press the Joystick to select the Receive Mode Menu.
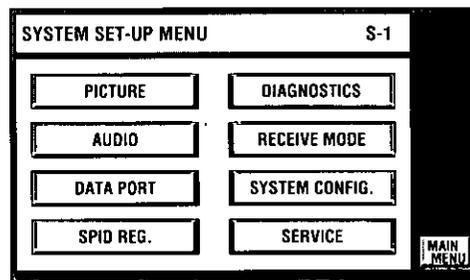


4. Move the high-lighted bar to the desired mode by moving the Joystick then press the Joystick to execute the selection.
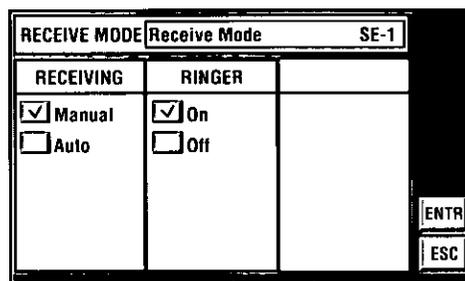


(1) Receiving

**Manual:** Pressing Dial (**DIAL**) Key causes a call to be received.

**Auto:** A call is automatically received.

(2) Ringer

**On:** Alert tone is received

**Off:** Alert tone is not received

**Note:** Initially, the following modes are selected at the factory.

**Receiving:** Manual

**Ringer:** On

5. When satisfied with all above steps, move the high-lighted bar to [ENTR] by moving the Joystick, then press the Joystick to return the System Setup Menu.

## 10. System Configuration Setup

This menu is used to define Voice Switching, Monitor Type, and Auto Power Off.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Setup Menu.

**Main Menu** | SYS
SELECT | PRESET | STILL | REGIST
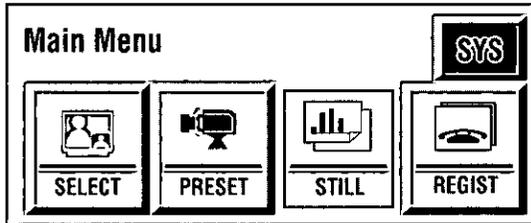
3. Move the high-lighted bar to [SYSTEM CONFIG.] by moving the Joystick then press the Joystick to select the System Configuration Setup Menu.
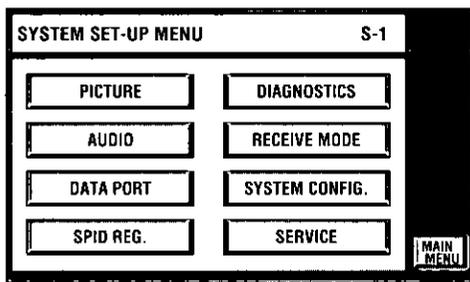
| SYSTEM SET-UP MENU | S-1 |
| --- | --- |
| PICTURE | DIAGNOSTICS |
| AUDIO | RECEIVE MODE |
| DATA PORT | SYSTEM CONFIG. |
| SPID REG. | SERVICE |

MAIN MENU

4. Move the high-lighted bar to the desired modes by moving the Joystick then press the Joystick to execute the selection.

| SYSTEM CONFIG | System Config. Set-up | SF-1 |
| --- | --- | --- |
| VOICE CONTROL | MONITOR | AUTO SHUT OFF |
| ☐ On | ☑ STD(4:3) | ☐ On |
| ☑ Off | ☐ WIDE(16:9) | ☑ Off |

ENTR
ESC
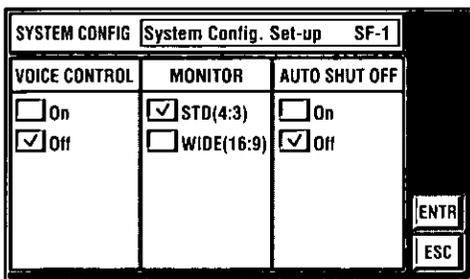
(1) Voice Control

**On:** select this mode when Voice Switching Unit is used

**Off:** select this mode whether there is no Voice Switching Unit attached

**Caution:** If "On" mode is selected, the preset camera positions will not operate.

(2) Monitor

**STD (4:3):** selects an regular TV set is used
**WIDE (16:9):** selects a wide-screen TV set is used

(3) Auto Shut Off

**On:** Power circuit is automatically turned off unless operation is interrupted within two minutes in the standby state.
**Off:** No power savings mode.

**Note:** Initially, the following modes are selected at the factory.
Voice Control: Off
Monitor:         STD (4:3)
Auto Shut Off: Off

5. When satisfied with all above steps, move the high-lighted bar to [ENTR] by moving the Joystick, then press the Joystick to return to the System Setup Menu.

## 11. Diagnostics

This table is used to confirm the circuit error occurred during the connections or conference.

1. Press the Menu (**MENU**) Key to display the Main Menu on the monitor screen.

2. Move the high-lighted bar to [SYS] by moving the Joystick then press the Joystick to select the System Setup Menu.

**Main Menu** | SYS
SELECT | PRESET | STILL | REGIST
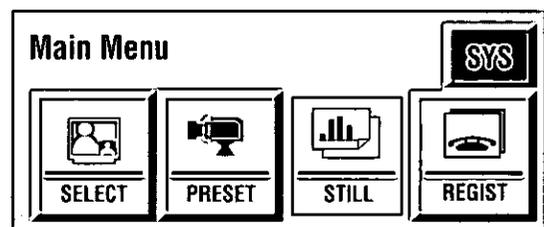
3. Move the high-lighted bar to [DIAGNOSTICS] by moving the Joystick then press the Joystick to select the Diagnostics Menu.

| SYSTEM SET-UP MENU | S-1 |
| --- | --- |
| PICTURE | DIAGNOSTICS |
| AUDIO | RECEIVE MODE |
| DATA PORT | SYSTEM CONFIG. |
| SPID REG. | SERVICE |

MAIN MENU
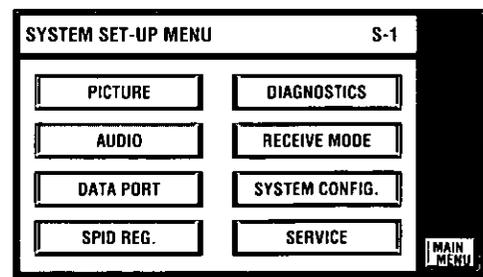
4. Move the high-lighted bar to [CIRCUIT ERROR] by moving the Joystick then press the Joystick to select the Circuit Error Menu.

```
DIAGNOSTICS  [Diagnostics Menu      SD-1]

   CIRCUIT ERROR

   DATA PORT

                                      [PRV]
```
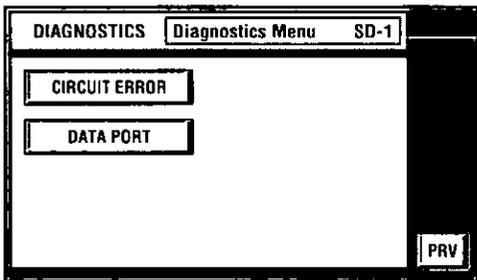
5. The Cause Number and Error Message are displayed on the menu.

```
DIAGNOSTICS  [Circuit Error        SD-2]
· · · · · ·    O :Connect    • :No Connect

      CAUSE NUM.      MESSAGE
1B
2B
3B
4B
5B
6B                                    [PRV]
```
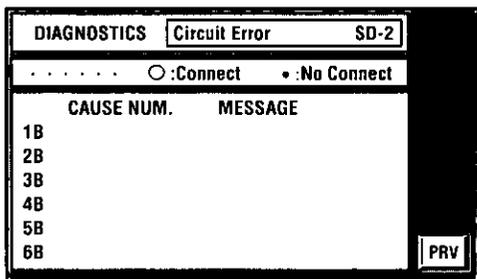
Move the high-lighted bar to [PRV] by moving the Joystick the press the Joystick to return to the previous Dignostics Menu.

6. Move the high-lighted bar to [DATA PORT] by moving the Joystick then press the Joystick to select the Data Port Menu.

7. The data port settings are displayed on the menu.

```
DIAGNOSTICS  [Data Port            SD-3]

          BAUD | LENGTH | STOP | PARITY

   LOCAL  1200 |   8    |  1   |  Odd

   DSTN   1200 |   8    |  1   |  Odd

                                      [PRV]
```
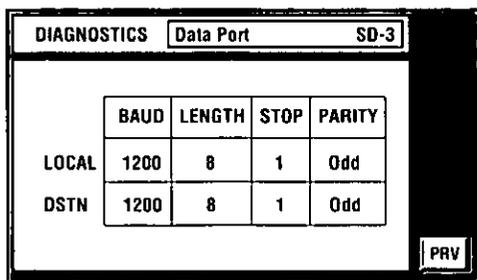
The data port will not transmit data until the both ports are matched.
To change settings, refer to the Data Port Setup on page 33 for the setup method.

Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to return to the previous Dignostics Menu.

8. Move the high-lighted bar to [PRV] by moving the Joystick then press the Joystick to retern to the System Setup Menu.

# SPECIFICATIONS

| | |
|---|---|
| Power Supply : | 120V AC 60Hz |
| Power Consumption : | 1.6A +3.0A Max (AC Outlet) |
| Video Input : | Y Signal; 0.714 Vp-p, C Signal; 0.286 Vp-p, 75 ohms, Mini DIN 4-pin connector (x3) |
| | 1.0 Vp-p NTSC composite 75 ohms / BNC Connector (x3) |
| Video Output : | Y Signal; 0.714 Vp-p, C Signal; 0.286 Vp-p, 75 ohms, Mini DIN 4-pin connector (x2) |
| | 1.0 Vp-p NTSC composite 75 ohms / BNC Connector (x2) |
| Audio Input : | Microphone; −38dBm/600 ohms, balanced, (x1) |
| | Line In; −10dBm/47k ohms, unbalanced, phono jack (x2) |
| | Playback; −10dBm/47k ohms, unbalanced, phono jack (x2) |
| Audio Output : | Line Out; −10dBm/1k ohms, unbalanced, phono jack (x2) |
| | Recording ; −10dBm/ 1k ohms, unbalanced, phono jack (x2) |
| Data : | Data Port; RS-232C 25 pin D-sub Connector |
| | Remote Controller; 5 pin connector |
| | External Control (HOST); 4 pin modular connector |
| Ambient Operating Temperature : | 41°F - 95°F  (+5°C - +35°C) |
| Dimensions : | 16-9/16" (W) x 6-15/16" (H) x 14-5/16" (D) |
| | 420 (W) x 177 (H) x 364 (D) mm |
| Weight : | 28.6 lbs (13.0 kg) |

Weight and dimensions indicated above are approximate.
Specifications are subject to change without notice.


# STANDARD ACCESSORIES

Power Cord ................................................................. 1 pc
4-pin Microphone Cable .............................................. 1 pc
5-pin Sensor Unit Cable ............................................... 1 pc
S-Video Cable for Video Camera .................................. 1 pc
Coaxial Cable for Video Camera ................................... 1 pc
S-Video Cable for Video Monitor .................................. 1 pc
Audio Cable for Video Monitor ..................................... 1 pc

# Panasonic

**Broadcast & Television Systems Company**