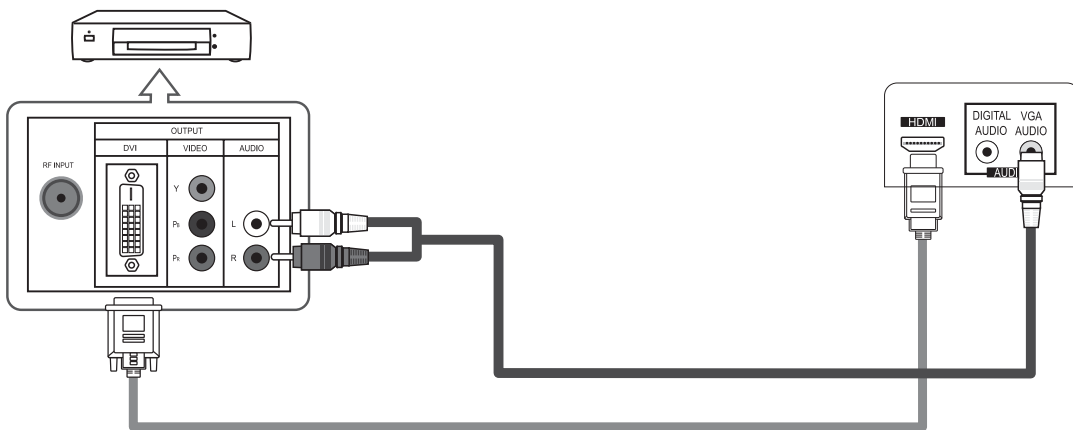# External Connection

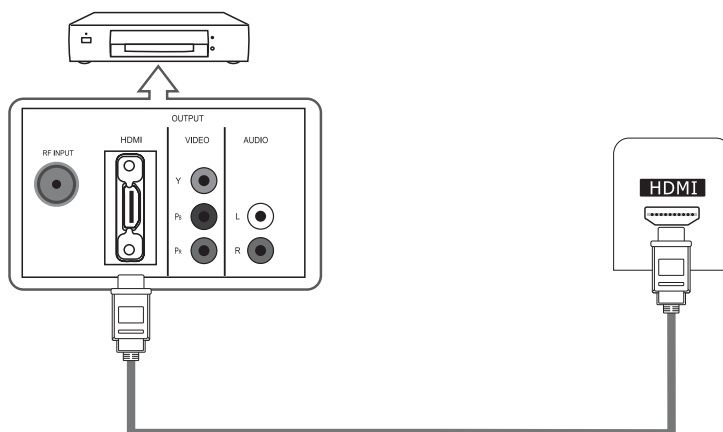## Connecting a DVD Player / Set-Top Box via DVI

This connection can only be made if there is a DVI Output connector on the external device.

Each DVD player/Set-Top Box has a different back panel configuration.
• When connecting a DVD player/Set-Top Box, match the color of the connection terminal to the cable.

1. Connect a DVI-to-HDMI Cable or DVI-HDMI Adapter between the **HDMI** connector on the monitor and the DVI connector on the DVD player/Set-Top Box.
2. Connect Audio Cables between the **VGA AUDIO IN** jack on the monitor and the **AUDIO OUT** jacks on the DVD player/Set-Top Box.

External Connection

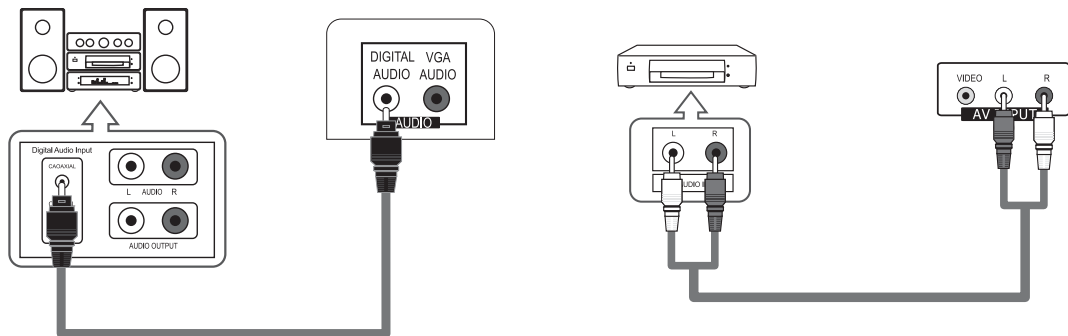### Connecting a DVD Player / Set-Top Box via HDMI

What is HDMI?

• HDMI™ (High-Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data along with the HDCP™ (High-Bandwidth Digital Content Protection). The HDMI™ interface connects digital output source devices such as cable boxes, satellite receivers, DVD players, game consoles and personal computers to the NuVision display device. On a single cable, HDMI™ V1.3A supports any television or personal computer video format including high-definition along with up to 8-channels of digital audio. There are 2 categories of HDMI™ cables available: Category 1 and Category 2. Use Category 2 HDMI cables at all times for optimum results.

1. Connect an HDMI Cable between the **HDMI** connectors on the monitor and the **HDMI** connector on the DVD player/Set-Top Box.

NOTE: Digital audio from a Set Top Box or DVD player must be set to linear PCM if you wish to play the audio through the TV speakers.

External Connection

Connecting a Digital Audio System

The rear panel jacks on your monitor make it easy to connect the monitor to your Digital Audio System.
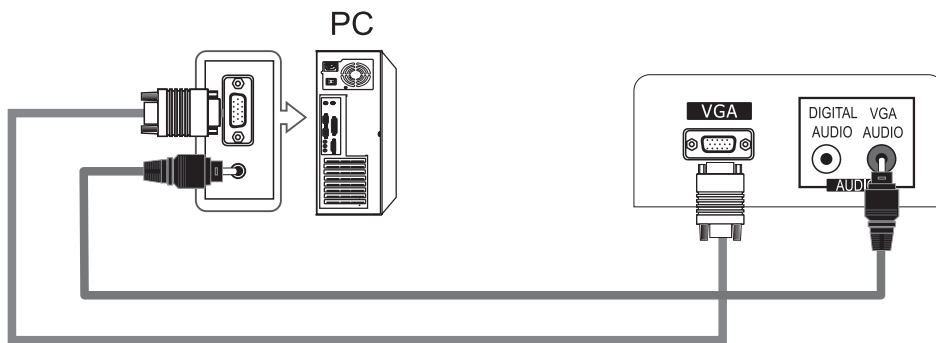
- Up to 5.1 CH audio is possible when the monitor is connected to an external device supporting 5.1 CH.

1. Connect a Coaxial Cable between the Coaxial output on the monitor and the Digital Audio Input jack on the Digital Audio System.

Connecting an Amplifier / DVD Home Theater

- Each external input source device has a different back panel configuration. When connecting an external device, match the color of the connection terminal to the cable.

1. Connect Audio Cables between the **AUDIO L / R OUT** on the monitor and **AUDIO IN [R / L AUDIO]** on the Amplifier/DVD Home Theater. When an audio amplifier is connected to the **AV OUT [R / L AUDIO]** terminals, choose "Speaker On" or "Speaker Off" in the Audio Settings menu.

External Connection

Connecting a PC

- Each PC has a different back panel configuration.

1. Connect a D-Sub Cable between **VGA/PC IN** connector on the monitor and the Monitor output connector on your computer.
2. Connect a 3.5mm stereo Audio Cable between **PC AUDIO IN** jack on the monitor and the Audio Out jack of the soundcard on your computer.

Supported Signals

Input	Mode
	NTSC 3.58
Composite	NTSC 4.43
	PAL
	NTSC 3.58
S-Video	NTSC 4.43
	PAL

Input	Resolution	Frequency
	480i	60Hz
	480p	60Hz
Component	720p	60Hz
	1080i	60Hz
	1080p	60Hz
	480i	60Hz
	480p	60Hz
HDMI	720p	60Hz
	1080i	60Hz
	1080p	24, 60Hz

Input	Resolution	Frequency
	640 x 480	60, 75, 85Hz
	800 x 600	60, 72, 75, 85Hz
	1024 x 768	60, 70, 75, 85Hz
PC / VGA	1280 x 768	60, 75, 85Hz
PC / HDMI	1280 x 960	60, 75, 85Hz
	1280 x 1024	60, 75, 85Hz
	1600 x 1200	60Hz
	1920 x 1080	60Hz

Basic Operation

Turning the monitor On and Off

How to turn the monitor On or Off
1. Connect the power cord to the monitor. Insert the power cord into the wall outlet.
2. Press **[POWER]** button on the remote control or power symbol button on the right panel of LCD monitor.
3. Normal picture will be displayed on the screen after ~12 seconds. If no signal is present, "No Signal" will be displayed on the screen."
4. If temporary Stand By is required, press **[POWER]** button on the remote control or **[POWER]** button on the right panel.
5. If you wish to completely disconnect power for this unit, unplug the power cable from the wall outlet.

Status indication lamp
Blue: In power on mode.
Red: In standby mode.

Auto Stand By
If there is no signal present for approximately 15 minutes the monitor will automatically turn off.

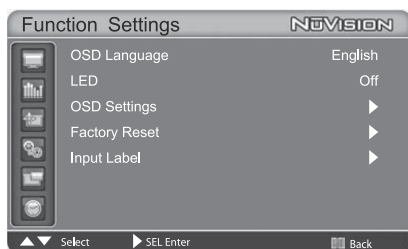## Volume Adjustment

To adjust the volume:
1. Press to the **[VOL+/VOL-]** button increase or decrease the volume.
2. Press the **[Mute]** button to turn off the sound. Press the **[Mute]** button again to turn the sound back on.

Basic Operation

Language Settings

To select the desired OSD language:

1. Press the **[Menu]** button. The OSD opens.

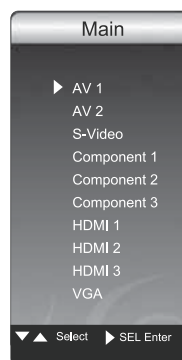| Function Settings	NuVision
OSD Language	English
LED	Off
OSD Settings	▶
Factory Reset	▶
Input Label	▶
▲▼ Select ▶ SEL Enter	⏸ Back

2. Press **[CH+/CH-]** to highlight Function Settings, then press **[VOL+/Select]** to enter the Function Settings menu.
3. Press **[CH+/CH-]** to highlight OSD Language.
4. Press **[VOL+/VOL-]** to change language.
5. Press **[Menu]** to exit.

Input Selection

Main Source:
Press the **[Input]** key on the remote control to display the list of input sources. Press **[CH+/CH-]** to highlight the desired input, then press **[VOL+/Select]** to confirm. OR, press one of the direct input selection keys on the remote control to select a source.
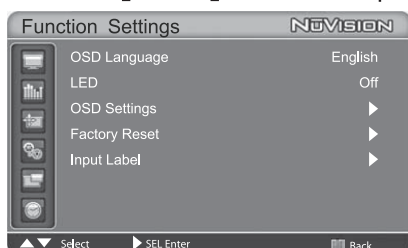
Main
▶ AV 1
AV 2
S-Video
Component 1
Component 2
Component 3
HDMI 1
HDMI 2
HDMI 3
VGA
▼▲ Select   ▶ SEL Enter

Basic Operation

Using the on-screen display

To use the OSD:
1. Press **[Menu]**. The OSD opens.

Function Settings	NUVISION
OSD Language	English
LED	Off
OSD Settings	▶
Factory Reset	▶
Input Label	▶

▲▼ Select   ▶ SEL Enter   ▦ Back

2. Press **[CH+ /CH-]** to highlight a menu icon on the left, then press **[VOL+ /Select]** to enter the menu.
3. Press **[CH+ /CH-]** to highlight an option, then press **[VOL+ /VOL-]** to adjust the option or enter a list of sub-options.
4. If you entered a list of sub-options, press **[CH+ /CH-]** to highlight a sub-option, then press **[VOL+ /VOL-]** to adjust the sub-option.

Accessing and Adjusting FX5 and FFM modes

1. Press the **[Menu]** button. The OSD opens.
2. Press press **[VOL+/Select]** to enter the **Image Settings** menu.
3. Press **[CH+/CH-]** to highlight **Advanced Settings** then press **[VOL+ /Select]** button to select.

Image Settings	NUVISION
DNR	Normal
Flesh Tone	Normal
Auto Color	On
Deep Black	Off
FX5 Mode	Off
Game Mode	Off
Frame Forward Motion	High

▲▼ Select   ▶ SEL Enter   ▦ Back

4. Press **[CH+/CH-]** to highlight the individual settings then press **[VOL+ /VOL-]** button to adjust.
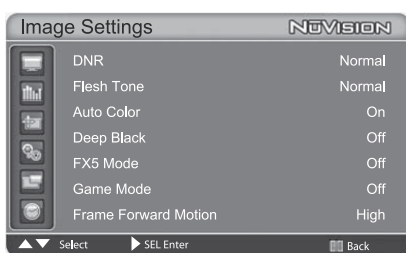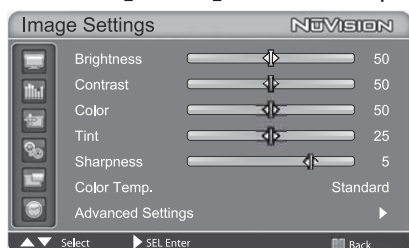
Basic Operation

Adjusting the picture

To use the OSD:

1. Press **[Menu]**. The OSD opens.

2. Press **[CH+ /CH-]** to highlight **Picture**, then press **[VOL+ /Select]** to enter the menu.
3. Press to highlight an option, then press to adjust the option. You can adjust:
   - **Brightness** – Increases the brightness to add more light to dark areas of the picture. Decrease the brightness to add more dark to light areas of the picture.
   - **Contrast** – Increases the picture level to adjust the white areas of the picture. Decreases the picture level to adjust the black areas of the picture.
   - **Color** – Adjusts the intensity of the colors / saturation.
   - **Tint** - Adjust skin tones from green to red
   - **Sharpness** – Increases the sharpness level to show cleaner and clearer images. Decreases the level to show a smoother picture.
   - **Color Temperature** – Changes the color temperature. You can select Warm, Normal, Cool, Vivid, or Custom.
   - **Advanced Settings** – Accesses advanced video settings such as:
     - **DNR** – "Dynamic Noise Reduction". Reduces video noise in moving images without blurring the picture.
     - **Flesh Tone** – For use with NTSC or other SD program material to correct skin tone. Only active when viewing content through **AV** or **S-Video** inputs.
     - **Auto Color** – Automatic Color Correction. Settings are On and Off.
     - **Deep Black** – Deep Blck uses more bits per color per pixel for a wider range of colors. This takes advantage of the wider color gamut of the newest panels.
     - **FX5 Mode** – "Film Times Five". Eliminates the 3:2 pulldown algorithim by repeating each frame 5 times creating an enhanced cinema experience.

- **Game Mode** – Reduces video processing to minimize the delay between a gamer's action and the result on screen.
- **Frame Forward Motion** – Real time interpolated frame creation, delivering breathtakingly clear fast motion. Good for fast action and sports.

4. Picture mode
   To select a picture mode:
   - Press **[Picture]** one or more times to select the picture mode you want. You can select Custom (a mode you define), Normal, Sports, Vivid, or Movie.

5. Selecting the aspect ratio
   To select the aspect ratio:
   - Press **[Zoom]** to **zoom** image.
   - Press **[4:3]** to select **4:3** aspect ratio mode.
   - Press **[16:9]** to select **16:9** aspect ratio mode.
   - Press **[Panorama]** to select **Panorama** aspect ratio mode.
   - Press **[ENTER] + [3]** to select **1:1** aspect ratio mode.
     NOTE: 1. "Full Screen" is only available for YPbPr/HDMI/VGA.
     2. "Panorama" is only available for AV.

6. Freezing a picture
   To freeze a picture:
   - Press **[Freeze]** button to turn on or off picture still mode.

7. Displaying video source information
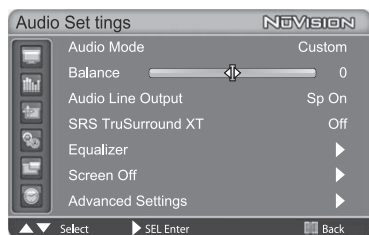   **To display video source information:**
   - Press the **[Display]** button. Your Monitor displays information about the current video source.

Basic Operation

Audio Settings

To adjust the audio settings:

1. Press **[Menu]**. The OSD opens.

2. Press **[CH+/CH-]** to highlight **Audio Settings**, then press **[VOL+/Select]** to enter the Audio Settings menu.
3. Press [**CH+/CH-**] to highlight an option, then press **[VOL+/VOL-]** to adjust the option. **You can adjust:**
   - **Audio Mode** - Select various audio settings: **Custom**, **Music**, **Movie**, and **News**.
   - **Balance** – Adjusts the volume from the left and right speakers.
   - **Audio Line Output** - Select between Audio On and Audio Off: "**Sp On**" or "**Sp Off**".
   - **SRS TruSurround XT™** - Activates the SRS TruSurround™ functions.
   - **Equalizer** – A 7 band audio Equalizer allows fine control of the frequency response of this unit. You can adjust individually each band and that configuration will be automatically saved as **Custom** in the **Audio Mode** audio settings. Each band (**120 Hz**, **200 Hz**, **500Hz**, **1.2kHz**, **3 kHz**, **7.5 kHz** and **12 kHz**) can be considered as a selective volume control which only adjusts a fraction of the audio frequency spectrum. Note: Equalizer is only available when TruSurround XT™ is off.
   - **Screen Off** - A power saving feature that turns off the video on-screen while listening to music channels or other audio sources. Press any key on the remote control to restore video to the screen.
   - **Advanced Settings** – Accesses advanced video settings such as:
     - **Digital Audio Output** – Selects between PCM and Surround audio from the digital audio output.
     - **Lip Sync** – Setting range from **Off** (no delay) to **7** (maximum delay)

Basic Operation

Setting the Sleep Timer

You can specify the amount time you want your monitor to wait before it automatically turns off.
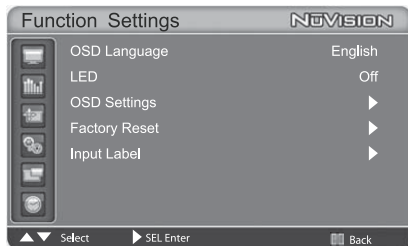

To set the sleep timer:
- Option 1
   - 1 - Select Sleep Timer menu in OSD
   - 2 - Press **[CH+/CH-]** to highlight the time desired, then press **[VOL+/Select]** to confirm. You can select 0 minutes, 15 minutes, 30 minutes, 60 minutes, 90 minutes, or 120 minutes.

- Option 2
   - 1 - Press **[Sleep]** one or more times until the remaining time you want appears. You can select 0 minutes, 15 minutes, 30 minutes, 60 minutes, 90 minutes, or 120 minutes.

Basic Operation

Function Settings

1. Press **[Menu]**. The OSD opens.


```
Function Settings                    NuVision

       OSD Language              English
       LED                       Off
       OSD Settings              ▶
       Factory Reset             ▶
       Input Label               ▶


  ▲▼ Select      ▶ SEL Enter            ▦ Back
```

2. Press **[CH+ /CH-]** to highlight **Function Settings**, then press **[VOL+ /Select]** to enter the Function Settings menu.
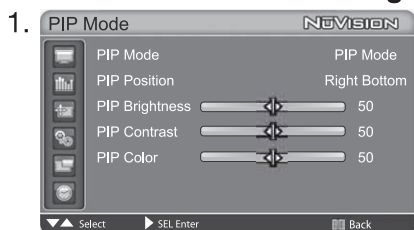
3. Press **[CH+ /CH-]** to highlight an option of the following items: OSD Language, Factory Reset, Input Label, LED, and OSD Settings, with the four direction buttons , you can adjust :
   - OSD Language - Press **[VOL+/VOL-]** to choose an OSD language.
   - Factory Reset - If you select "Yes" in Factory Reset OSD, it will reset your monitor to the factory defaults.
   - Input Label - Use the four direction buttons to rename an input.
   - LED - Choose the front status LED to on or off
   - OSD Settings - Set the time for OSD Timeout and set the OSD Transparency.

Basic Operation

PIP / PBP Mode Settings

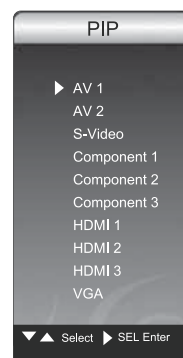**To set the basic function settings**

1.

2. Press **[CH+ /CH-]** to highlight PIP Mode, then press **[VOL+ /Select]** to enter the PIP Mode menu.

3. Press **[CH+ /CH-]** to highlight one of the following menu items: PIP Mode, PIP Position, PIP Brightness, PIP Contrast, and PIP Color. With the four direction buttons, you can adjust :
   - **PIP** – You can choose PIP Mode.
   - **PIP Position** – You can choose the PIP Position - Right Bottom, Left Bottom, Left Top, Right Top, and Center
   - **PIP Brightness** – Adjust the PIP or PBP brightness.
   - **PIP Contrast** – Adjust the PIP or PBP contrast.
   - **PIP Color** - Adjust PIP color saturation

   Note: If you press [PIP] button repeatedly, the screen display will change as follows: "PIP Mode -> PBP 4:3 -> PBP 16:9 -> PBP Full Screen -> Off".
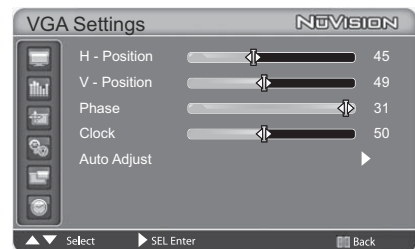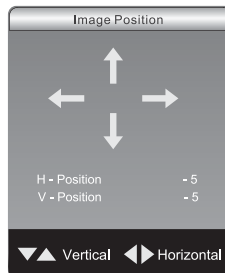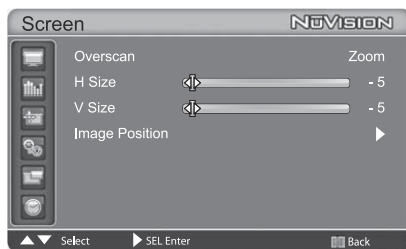
PIP Source:

How to select the PIP picture source. First press **[PIP]** on the remote control to display the PIP window. Now press **[PIP Input]**; the PIP Source menu will be displayed. Press **[CH+/CH-]** to highlight an input and then press **[VOL+/Select]** to select.

Basic Operation

Screen Settings

1. Press **[Menu]**. The OSD opens.

Screen	NuVision
Overscan	Zoom
H Size	- 5
V Size	- 5
Image Position	▶

▲▼ Select ▶ SEL Enter Back

Image Position

↑
← →
↓

H - Position   - 5
V - Position   - 5

▼▲ Vertical ◀▶ Horizontal

VGA Settings	NuVision
H - Position	45
V - Position	49
Phase	31
Clock	50
Auto Adjust	▶

▲▼ Select ▶ SEL Enter Back

2. Press **[CH+ /CH-]** to highlight Screen Settings, then press **[VOL+ /Select]** to enter the **Screen Settings** menu.
3. Press **[CH+ /CH-]** to highlight an option of the following items: Phase, Clocks/Line, and Image Position. With the four direction buttons, you can adjust:
   - Phase – Adjust the VGA phase to match the PC. *(VGA mode only)*
   - Clock lines – Adjust the VGA Clock to match the PC clock. *(VGA mode only)*
   - Image Position – Adjust the VGA image position single unit mode.
      - H. Position – Adjust the horizontal position of the image.
      - V. Position – Adjust the vertical position of the image.

Overscan

Overscan - Switches the picture Overscan ON (4% overscan) or OFF (0% Overscan).
1. Press **[Menu]**. The OSD opens.
2. Press **[CH+ /CH-]** to highlight Screen Settings, then press **[VOL+ /Select]** to enter the **Screen Settings** menu.
3. Press **[CH+ /CH-]** to highlight and adjust an option

Note: Overscan adjustment is only available on the HDMI, Component inputs.
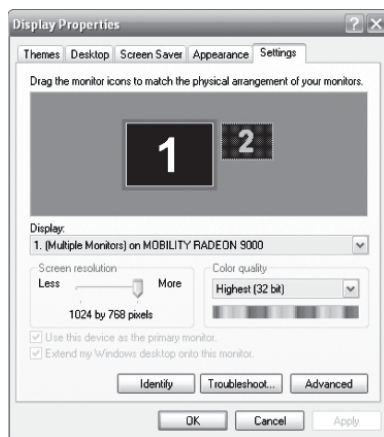
Basic Operation

PC Settings

Set the PC Software properly

Supported VGA Modes:

VGA SVGA XGA SXGA WUXGA

Note: Your PC/Notebook may not be able to display some of these resolutions. Take Windows XP as an example, and the Windows system display setting is as illustrated:

1. Right click anywhere on your display, select 'Properties'.
2. Find the Settings tab on the dialogue box, set the screen Resolution.
3. See above details about the resolutions supported by this unit.
4. Click OK to exit.

Troubleshooting

If you have any problems, check the countermeasures for each symptom listed below. The following symptoms may be caused by inappropriate adjustment rather than actual malfunction of the unit. If the trouble persists, contact the service center.

Symptoms	Possible Solutions
No power	Make sure the power cord is plugged into a working outlet. Unplug the monitor, wait 60 seconds, plug the monitor back in and try to re-start.
No picture	Adjust the contrast and brightness. Verify you are on the correct input (i.e. **HDMI 1**, opposed to **HDMI 2** etc.)
Good picture but no sound	Increase the volume Verify that monitor is not muted, press **MUTE** on the remote control Verify no other sound issues across other inputs Check sound setting in the **MENU**
No remote control	Check to see if batteries are exhausted, and change if necessary Clean the remote control lens on front of remote. The distance between the Monitor and the Remote should be less than 24ft.
Full screen flickering under VGA	V-HEIGHT value may be set too big, restart the computer and enter safe mode, then set monitor parameters to correct value according to adjustment description.
Horizontal stripes under VGA	Sample phase may be deflected, adjust phase according to picture position.
Colored dots may be present on the screen	This product is a high resolution LCD display device and may have a few pixel cell defects which can occur in the manufacturing process. Several colored dots visible on the screen are considered acceptable. NuVision's parameters for dark or bright cells are amongst the highest in the industry and these dark or bright cells do not mean that the LCD is faulty.

For additional assistance, go to **www.nuvision.com/support**

NOTES

NOTES

NVU42FX5   NVU47FX5   NVU52FX5

NūVision®
highdefinitionliving