



OWNER'S MANUAL

DIGITAL SIGNAGE MEDIA PLAYER

(Hardware)

Please read this manual carefully before operating your set and retain it for future reference.

DIGITAL SIGNAGE MEDIA PLAYER

NC1000 NC1100 NA1000 NA1100
NC2000 NC2100 NA2000 NA2100

www.lgsupersign.com
www.lgsolutions.com

TABLE OF CONTENTS

Licenses	4
Replacing Flash Memory Battery	4

NC1000

Specifications	5
General Specifications	5
Multi I/O Port	5
Operational Specifications	6
Included in the Box	7
Basic Components	7
Optional Items	7
Connections	8
Back Panel	8
Installation	9
In/Out Cable Connection	11
Connecting a Monitor with D-sub Cable	11
Connecting a Monitor with an HDMI Cable	14
Connecting/Disconnecting HDMI Audio Device in Windows	16
Connection to Multiple Monitors	17

NC2000

Specifications	18
General Specifications	18
Multi I/O port	18
Operational Specifications	19
Included in the Box	20
Basic Components	20
Connections	21
Back Panel	21
Installation	22

NC1100/NA1000/NA1100

Specifications	23
General Specifications	23
Multi I/O Port	23
Operational Specifications	24
Included in the Box.....	25
Basic Components	25
Optional Items	25
Connections	26
Back Panel	26
Installation	27
In/Out Cable Connection.....	29
Connecting a Monitor with D-sub Cable.....	29
Connecting a Monitor with an HDMI Cable	32
Connecting/Disconnecting HDMI Audio Device in Windows	34
Connecting a Monitor with DP Cable	35
Connection to Multiple Monitors.....	38

NC2100/NA2000/NA2100

Specifications	39
General Specifications	39
Multi I/O Port	39
Operational Specifications	40
Included in the Box.....	41
Basic Components	41
Connections	42
Back Panel	42
Installation	43

Appendix

Limitations of Microsoft Windows Embedded Standard.....	44
Frequently Asked Questions (FAQs).....	44

Licenses

Supported licenses may differ by model. For more information of the licenses, visit www.lg.com.



HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Replacing Flash Memory Battery

The flash memory battery helps maintain the system (BIOS) settings when the computer is powered off. The flash memory battery is a consumable part.

Flash Memory Battery



Attention

- When you change the flash memory battery, it is recommended that you seek assistance from the LG Electronics Service Center.
- Using a non-standard battery may cause a malfunction.
- If a malfunction is caused by trying to replace a part on your own, servicing will be charged.
- If the product is not connected to the AC power for an extended period of time, the flash memory battery may be discharged. In this case, servicing will be charged.
- When the battery is discharged, the message below will appear on the boot screen. In this case, you should replace the battery.
=> ERROR
0271: Check data and time settings
WARNING
0251: System CMOS checksum bad - Default configuration used
Press <F1> to resume, <F2> to Setup

NC1000

Specifications

Attention

- Product specifications may change without prior notice to improve performance.

General Specifications

Dimensions	250 mm (W) x 220 mm (H) x 45 mm (D) (only Set)
Weight	1.43 kg (only Set)
CPU	Intel ATOM Processor 330 1.6 GHz(Dual Core), FSB 533 MHz
Chip Set	Nvidia MCP7A-I ON
Main Memory	DDR3 1066 SODIMM type 1 GB, 2 GB
Secondary Storage Device	SATA SSD 8 GB, 16 GB, 32 GB
O/S	Windows Embedded Standard

Note

- Windows 7 is not supported in case of SSD 8 GB.

Multi I/O Port

Serial Port	One external RS-232 Serial port
USB Port	Hi-Speed USB 2.0 port 480 Mbps rate (x5)
LAN Port	Realtek RTL8103E 10/100 Mbps Ethernet controller (NC1000-**A*/**B*) Realtek RTL8111E Gigabit Ethernet controller (NC1000-**P*/**Q*)
VGA / HDMI	Nvidia MCP7A-I ON integrated Graphic chipset
4-in-1 Card	Secure Digital (SD) / MultiMedia Card (MMC/MMC4.0) / Memory Stick (MS/MS-Pro) / xD Memory Card
PCI Express Card Slot	Supported
LINE OUT	Supported
SPDIF (Digital Audio Out)	5.1 Channel Supported (depending on source signal)

Operational Specifications

Resolution	Maximum Resolution	1920 x 1080 @ 60 Hz			
	Recommended Resolution	1920 x 1080 @ 60 Hz			
Power	Power Rating	100-240 V~ 50/60 Hz 1.2 A			
Operating Condition		Sync (H/V)	Video	LED	
	Normal Mode	On/On	Active	On	
	Deep Sleep Mode (Set = Off)	Off/Off	Off	Off	
Operating Conditions	Operating Conditions	Temperature	5 °C to 40 °C	Humidity	10 % to 80 %
	Storage Conditions	Temperature	-20 °C to 60 °C	Humidity	5 % to 95 %

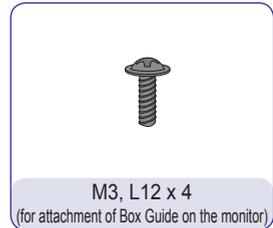
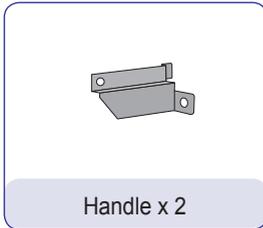
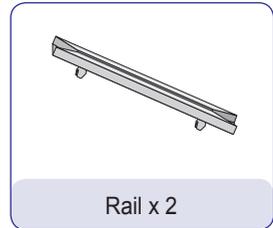
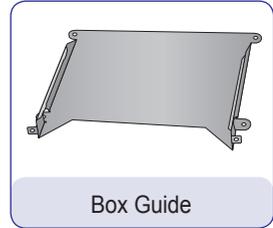
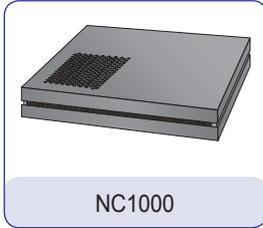
 **Note**

- The resolution which is supported may differ depending on the monitors.
- Booting the Media Player with a device connected via a USB port may not work properly depending on the device.

Included in the Box

Basic Components

The NC1000 with the following components. Please check that these components have been included prior to installation.



Attention

- These illustrations may differ from your product and are subject to change.

Optional Items

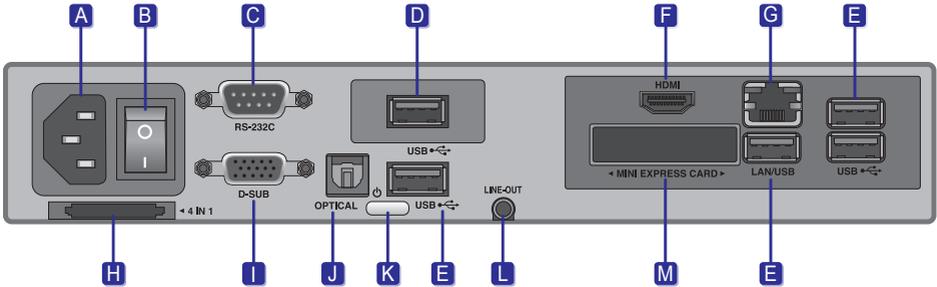
The following items are supported by the NC1000, but are not provided with the product.

Please purchase optional items as needed.

- HDMI cable, D-sub cable, LINE-OUT cable, fiber optic cable, LAN cable, mouse, keyboard.

Connections

Back Panel



Number	Connection	Description
A	Power Cable In	For the power cable.
B	Power Switch	Provides power to the NC1000.
C	RS-232C Out	For the RS-232C cable.
D	USB Wireless Modem In	For a USB-type wireless modem.
E	USB In	For USB-type devices, including memory, hard disk, CD-ROM, keyboard, and mouse.
F	HDMI Out	For an HDMI-compatible monitor.
G	LAN Connector	For a LAN cable.
H	4 IN 1 Multi-Card Slot	Accommodates memory cards for storing video or reading images. Supported cards include Secure Digital (SD), MultiMedia (MMC/MMC4.0), Memory Stick (MS/MS-Pro), and xD Memory Cards.
I	D-sub Out	For the monitor's RGB video in.
J	OPTICAL Out	For an optical cable for digital audio transfer.
K	NC1000 Power Button	Turns NC1000 on.
L	LINE-OUT Connector	For a LINE-OUT cable for analog audio transfer.
M	PCI MINI EXPRESS Card Slot	Provided for PCI Mini Express Cards.

Attention

- Turn on the power switch (B) and then turn on the power button (K) to power on NC1000.

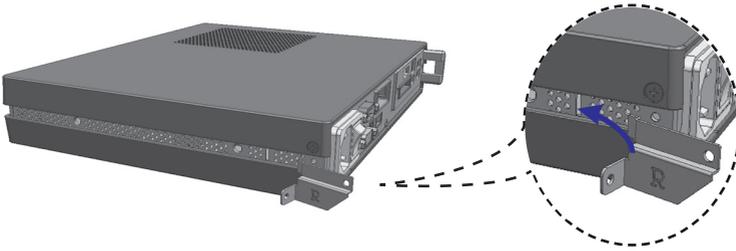
Installation

We recommend you to use the items provided with your NC1000 and follow our instructions for integrating the product with your monitor in order to ensure the correct results.

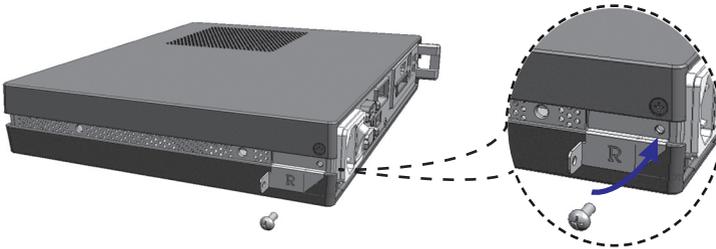
⚠ Attention

- The illustrations shown are to guide your integration and may differ from your product.

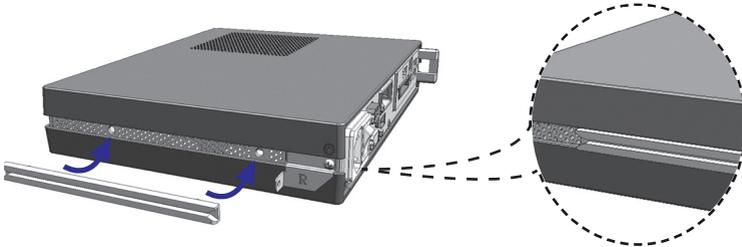
- 1 Place the handle into the slots on the side of the product.



- 2 Use screws to secure the handle.



- 3 Place the rail in the slots on the side of the product.



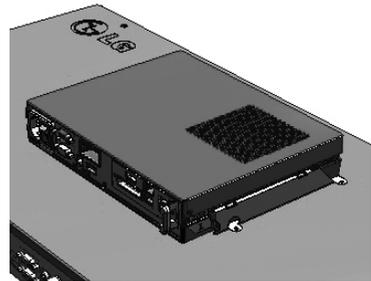
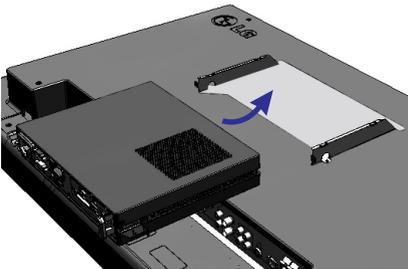
⚠ Warning

- Be careful of sharp edges on the rail and the handle.

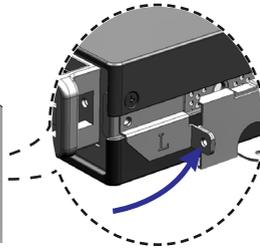
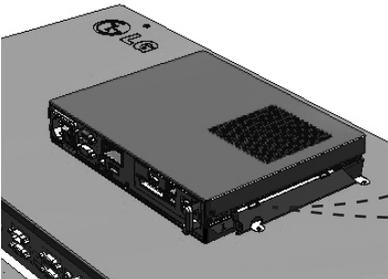
- 4 As shown below, use screws to secure the Box Guide in the four slots at the back of the monitor.



- 5 Attach the Box Guide to the rail slots, and press it upward.



- 6 Use screws to secure the player and the Box Guide as shown below.



In/Out Cable Connection

In order to watch video on a monitor, you need to use a D-sub cable or an HDMI cable to connect the NC1000 to a monitor.

⚠ Attention

- D-sub, HDMI, LINE-OUT, OPTICAL, and LAN cables are not included with the NC1000. If the cables were not provided with your monitor, you may need to purchase them separately.
- After cabling is complete, assign the SET ID of the monitor to be connected to NC1000.
- To configure the SET ID, please refer to the owner's manual for your monitor.

🔍 Note

When using the SuperSign Manager software:

- The monitor SET ID is a unique number used to identify the monitor. You can choose a number from 1 to 25. The SET ID allows the SuperSign Manager software to identify the monitor.
- In order to directly connect the monitor to NC1000, its SET ID must be set to 1.
- To use SuperSign Manager, the monitor that will be connected to NC1000 must support the LG RS232C protocol. A monitor supporting the LG RS232C protocol can control the monitor functions, such as brightness and sound, using SuperSign Manager.

Connecting a Monitor with D-sub Cable

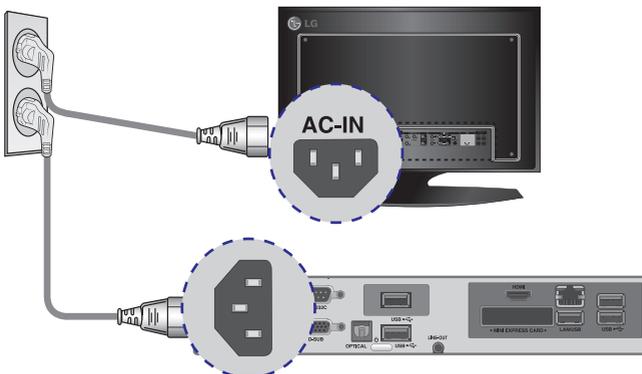
⚠ Attention

- A D-sub cable connection does not include an audio signal. For audio, you need to connect a LINE-OUT or OPTICAL cable.

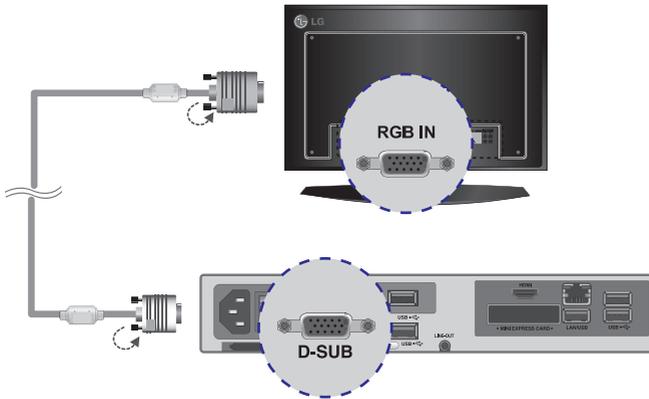
🔍 Note

- D-sub cables are also known as RGB cables.

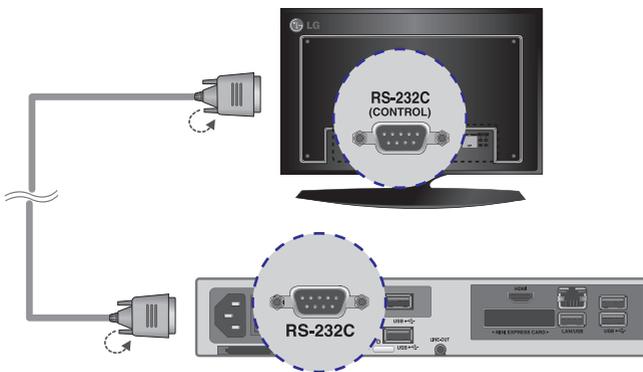
- 1 Connect the appropriate power cables to a monitor and NC1000 respectively.



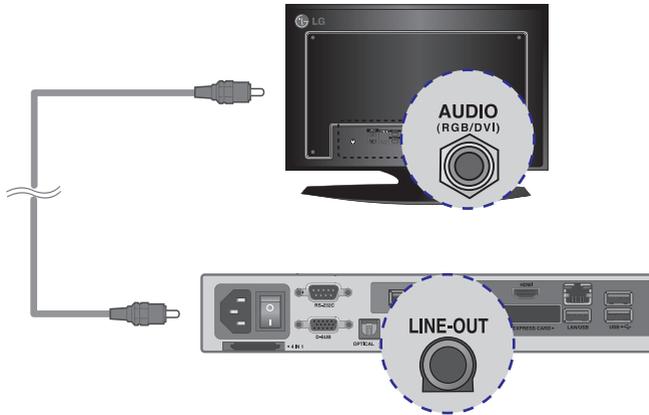
- 2 Connect the D-sub port of NC1000 and RGB-IN port of the monitor with a D-sub cable.



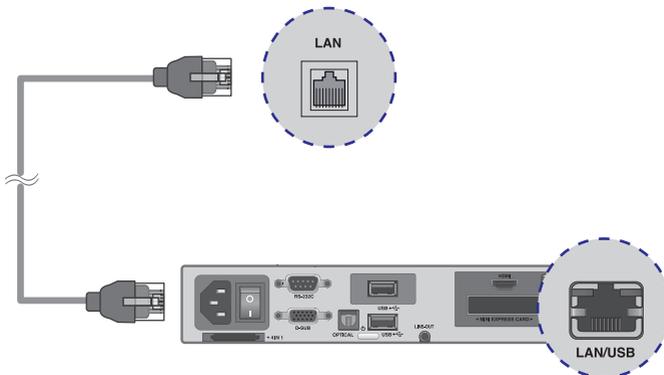
- 3 Connect NC1000 (OUT) to the monitor (IN) with an RS-232C cable.



- 4 Connect the NC1000 to the monitor with a LINE-OUT cable.



- 5 Connect a LAN cable to the NC1000.



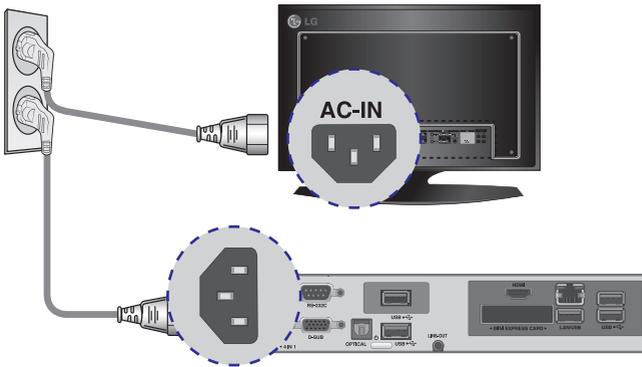
Connecting a Monitor with an HDMI Cable

HDMI connections allow digital video and audio signals to be transferred with one cable. HDMI cable connections do not require an additional audio in cable.

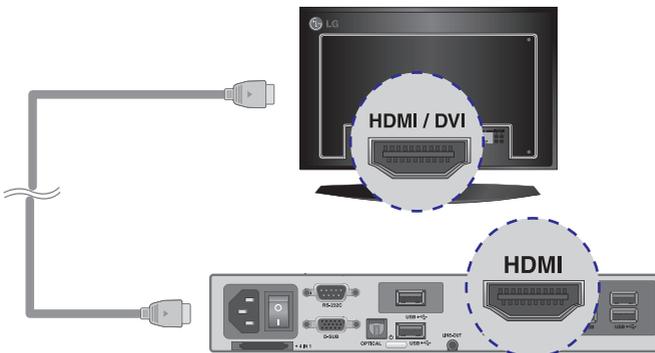
⚠ Attention

- The monitor to connect with NC1000 should have the HDMI in for the HDMI connection.
- To use the HDMI device, you need to activate the HDMI device in Microsoft Windows Embedded Standard, the operating system of the NC1000. To connect and disconnect the HDMI audio device, see the Connecting/Disconnecting HDMI Audio Device in Windows section of this document.

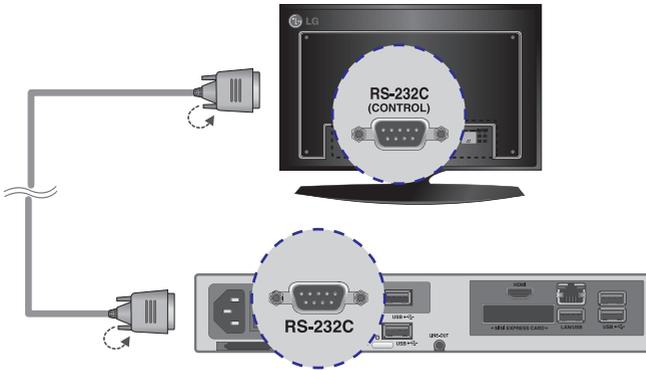
- 1 Connect the appropriate power cables to a monitor and NC1000 respectively.



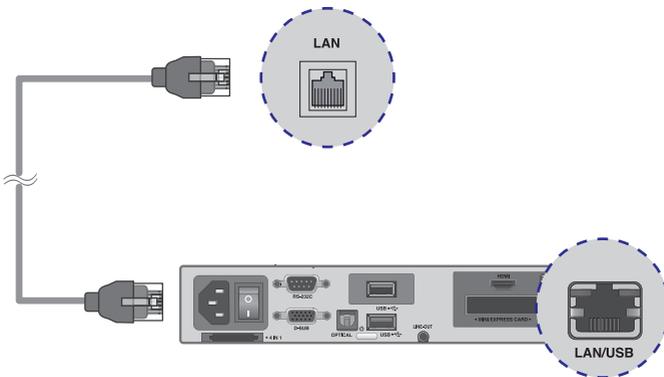
- 2 Connect NC1000 to a monitor with an HDMI cable.



- 3 Connect NC1000 (OUT) to the monitor (IN) with an RS-232C cable.



- 4 Connect a LAN cable to NC1000.



Connecting/Disconnecting HDMI Audio Device in Windows

Connecting HDMI Audio Device

Move to the desktop of the monitor connected to the NC1000.

- 1 Click the  button in the lower left of the screen.
- 2 Select **Start > Control Panel > Sounds and Audio Devices > Audio**.
- 3 Select **Play Sounds > NVIDIA High Definition Audio from the list** and click **OK**.

Disconnecting HDMI Audio Device

Move to the desktop of the monitor connected to the NC1000.

- 1 Click the  button in the lower left of the screen.
- 2 Select **Start > Control Panel > Sounds and Audio Devices > Audio**.
- 3 Select **Play Sounds > Realtek HD Audio output from the list** and click **OK**.

Attention

- If you do not reset after disconnecting the HDMI cable from the NC1000, the sound will not work.
- In order for the sound to work properly, stop playing the content and restart the NC1000.

Connection to Multiple Monitors

Each NC1000 can accommodate up to 25 monitors for video playback. (SET ID: 1 to 25)
You can set the tile mode by connecting multiple monitors.

- 1 Connect the NC1000's **D-sub OUT** to the **D-sub IN** of the first monitor, which has **SET ID = 1**.
- 2 Connect other monitors with **D-sub** cables as shown below (**IN/OUT** separated).



- 3 Connect the NC1000's **RS-232C OUT** to the **RS-232C IN** of the first monitor, which has **SET ID = 1**.
- 4 Connect other monitors with RS-232C cables as shown below (**IN/OUT** separated).



Attention

- You may want to purchase additional RS-232C cables to use several monitors together.
- You cannot use multiple monitors with the HDMI cable.

NC2000

Specifications

Attention

- Product specifications may change without prior notice to improve performance.

General Specifications

Dimensions	99.8 mm (W) x 183.3 mm (H) x 28.4 mm (D) (only Set)
Weight	0.215 kg (only Set)
CPU	Intel ATOM Processor 330 1.6 GHz(Dual Core), FSB 533 MHz
Chip Set	Nvidia MCP7A-I ON
Main Memory	DDR3 1066 SODIMM type 1 GB, 2 GB
Secondary Storage Device	SATA SSD 8 GB, 16 GB, 32 GB
O/S	Windows Embedded Standard

Note

- Windows 7 is not supported in case of SSD 8 GB.

Multi I/O port

Serial Port	N/A
USB Port	Hi-Speed USB 2.0 port 480 Mbps rate (x3)
LAN Port	Realtek RTL8103E 10/100 Mbps Ethernet controller (NC2000-**A**/**B*) Realtek RTL8111E Gigabit Ethernet controller (NC2000-**P**/**Q*)
VGA / HDMI	Nvidia MCP7A-ION integrated Graphic chipset
4-in-1 Card	N/A
PCI Express Card Slot	Supported
LINE OUT	N/A
SPDIF (Digital Audio Out)	N/A

Operational Specifications

Resolution	Maximum Resolution	1920 x 1080 @ 60 Hz			
	Recommended Resolution	1920 x 1080 @ 60 Hz			
Power	Power Rating	12 V --- 3.5 A			
Operating Condition		Sync (H/V)	Video	LED	
	Normal Mode	On/On	Active	On	
	Deep Sleep Mode (Set = Off)	Off/Off	Off	Off	
Operating Conditions	Operating Conditions	Temperature	5 °C to 40 °C	Humidity	10 % to 80 %
	Storage Conditions	Temperature	-20 °C to 60 °C	Humidity	5 % to 95 %

Note

- The resolution which is supported may differ depending on the monitors.
- Booting the Media Player with a device connected via a USB port may not work properly depending on the device.

Included in the Box

Basic Components

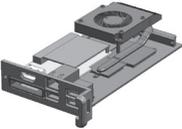
The NC2000 consists of the following components. Please check that these components have been included prior to installation.



Attention

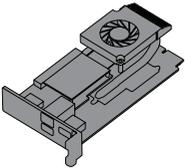
- These illustrations may differ from your product and are subject to change.

Attention



- The NC2000-****A/**B*** model, as shown in the image, is compatible with the following models.
Applicable models: M3204C****A****, M4214C****A****, M4716C****A****

Attention



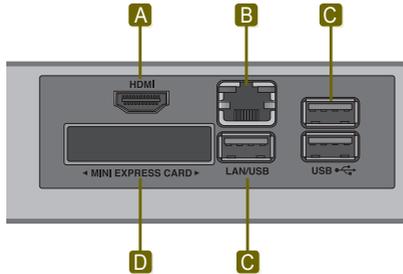
- The NC2000-****P/**Q*** model, as shown in the image, is compatible with the following models.
Applicable models: M3204C****R****, M4214C****R****, M4716C****R****, 32VS10, 42VS10, 47VS10

Attention

- Without prior notice, applicable models for NC2000 are subject to change to improve the performance of the product.

Connections

Back Panel



Number	Connection	Description
A	HDMI Out	For an HDMI-compatible monitor.
B	LAN Connector	For a LAN cable.
C	USB In	For USB-type devices, including memory, hard disk, CD-ROM, keyboard, and mouse.
D	PCI MINI EXPRESS Card Slot	Provided for PCI Mini Express Cards.

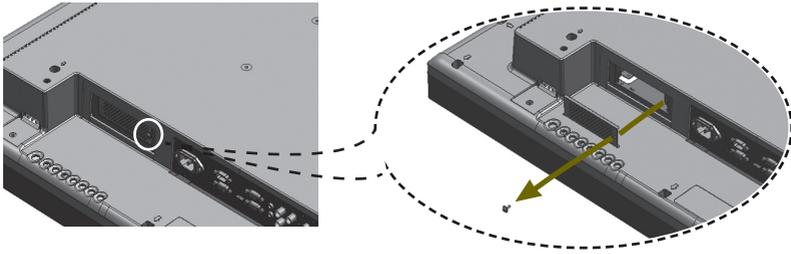
Installation

We recommend you to use the items provided with your NC2000 and follow our instructions for integrating the product with your monitor in order to ensure the correct results.

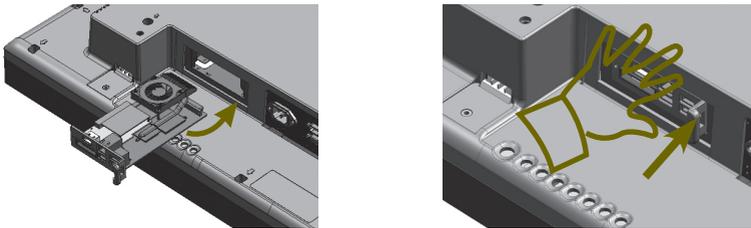
⚠ Attention

- The illustrations shown are to guide your integration and may differ from your product.

- 1 Remove the screw and Metal cover.



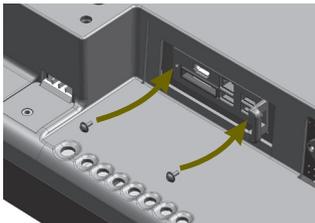
- 2 Attach the Box Guide to the rail slots, and press it upward.



🔍 Note

- If card does not become fully inserted into the insertion direction. Hit by hand carefully to make fully connected.

- 3 Use screws to secure the player and the Box Guide as shown below.



NC1100/NA1000/NA1100

Specifications

Attention

- Product specifications may change without prior notice to improve performance.

General Specifications

Dimensions	250 mm (W) x 220 mm (H) x 45 mm (D) (only Set)	
Weight	SSD	1.590 kg (only Set)
	HDD	1860 g (only Set)
CPU	NC1100	Intel® Celeron® Processor P4500 (2M Cache, 1.86 GHz)
	NA1000	Intel® Core™ i7-620M Processor (4M Cache, 2.66 GHz)
	NA1100	Intel® Core™ i5-520M Processor (3M Cache, 2.40 GHz)
Chip Set	Mobile Intel® QM57 Express Chipset	
Main Memory	DDR3 1066 SODIMM type 1 GB, 2 GB	
Secondary Storage Device	SATA SSD	8 GB, 16 GB, 32 GB, 64 GB
	SATA SSD	320 GB
O/S	Microsoft® Windows® Embedded Standard	
	Microsoft® Windows® Embedded Standard 7 E	
	Microsoft® Windows® Embedded Standard 7 P	

Note

- Windows 7 is not supported in case of SSD 8 GB.

Multi I/O Port

Serial Port	One external RS-232 Serial port
USB Port	Hi-Speed USB 2.0 port 480 Mbps rate (x4)
LAN Port	Intel® 82577 Gigabit Ethernet PHY
VGA / HDMI / DP	Intel® HD Graphics Controller
4-in-1 Card	Secure Digital (SD) / MultiMedia Card (MMC/MMC4.0) / Memory Stick (MS/MS-Pro) / xD Memory Card
PCI Express Card Slot	Supported
LINE OUT	Supported
MIC IN	Supported

Operational Specifications

Resolution	Maximum Resolution	1920 x 1080 @ 60 Hz			
	Recommended Resolution	1920 x 1080 @ 60 Hz			
Power	Power Rating	100-240 V~ 50/60 Hz 1.5 A			
Operating Condition		Sync (H/V)	Video	LED	
	Normal Mode	On/On	Active	On	
	Deep Sleep Mode (Set = Off)	Off/Off	Off	Off	
Operating Conditions	Operating Conditions	Temperature	5 °C to 40 °C	Humidity	10 % to 80 %
	Storage Conditions	Temperature	-20 °C to 60 °C	Humidity	5 % to 95 %

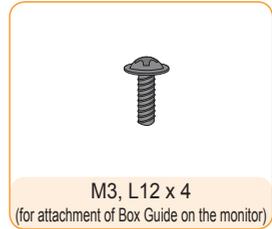
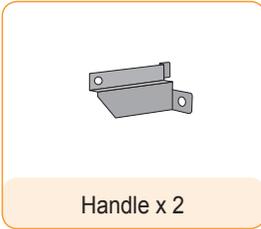
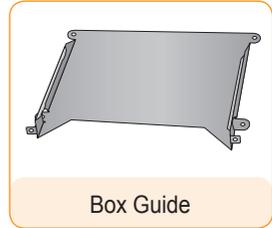
Note

- The resolution which is supported may differ depending on the monitors.
- Booting the Media Player with a device connected via a USB port may not work properly depending on the device.

Included in the Box

Basic Components

The NC1100/NA1000/NA1100 with the following components. Please check that these components have been included prior to installation.



Attention

- These illustrations may differ from your product and are subject to change.

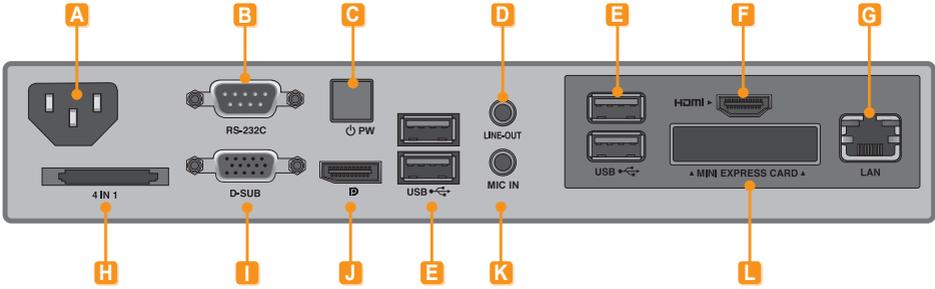
Optional Items

The following items are supported by the NC1100/NA1000/NA1100, but are not provided with the product. Please purchase optional items as needed.

- HDMI cable, D-sub cable, DP cable, LINE-OUT cable, MIC-IN cable, LAN cable, mouse, keyboard.

Connections

Back Panel



Number	Connection	Description
A	Power Cable In	For the power cable.
B	RS-232C Out	For the RS-232C cable.
C	Power Button	Turns the power on for NC1100/NA1000/NA1100's.
D	LINE-OUT	Connector For a LINE-OUT cable for analog audio transfer.
E	USB In	For USB-type devices, including memory, hard disk, CD-ROM, keyboard, and mouse.
F	HDMI Out	For an HDMI-compatible monitor.
G	LAN Connector	For a LAN cable.
H	4 IN 1 Multi-Card Slot	Accommodates memory cards for storing video or reading images. Supported cards include Secure Digital (SD), MultiMedia (MMC/MMC4.0), Memory Stick (MS/MS-Pro), and xD Memory Cards.
I	D-sub Out	For the monitor's RGB video in.
J	DP Output Port	Connects the cable to the DP-supporting monitor.
K	MIC-In	Connects the Mic-In cable to transfer analog audio input.
L	PCI MINI EXPRESS Card Slot	Provided for PCI Mini Express Cards.

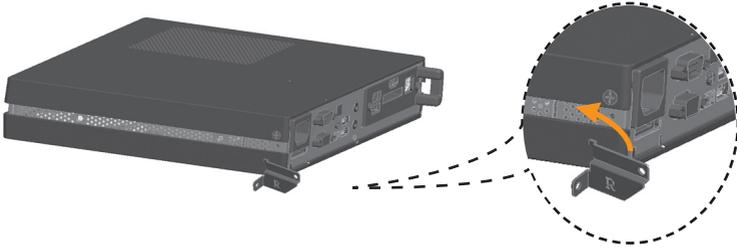
Installation

We recommend you to use the items provided with your NC1100/NA1000/NA1100 and follow our instructions for integrating the product with your monitor in order to ensure the correct results.

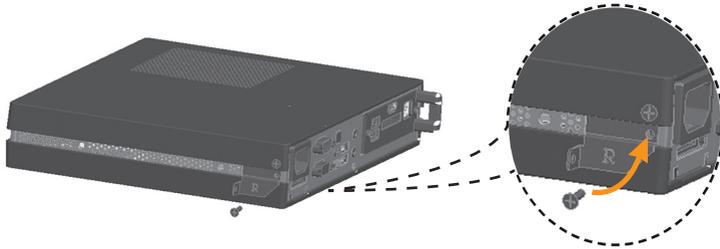
⚠ Attention

- The illustrations shown are to guide your integration and may differ from your product.

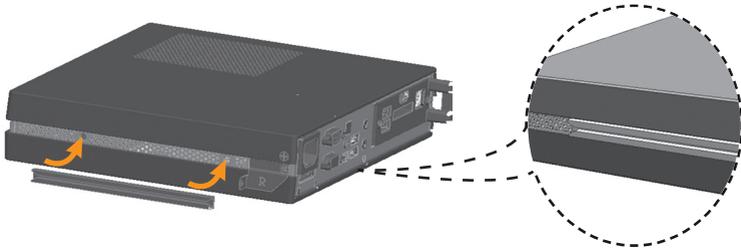
- 1 Place the handle into the slots on the side of the product.



- 2 Use screws to secure the handle.



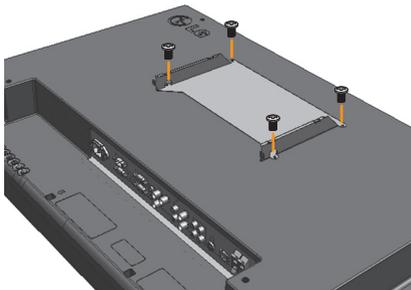
- 3 Place the rail in the slots on the side of the product.



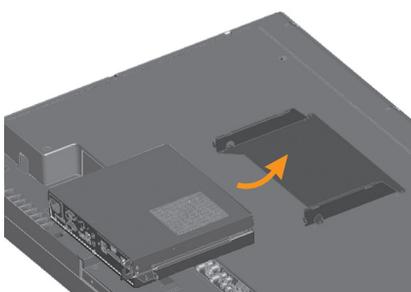
⚠ Warning

- Be careful of sharp edges on the rail and the handle.

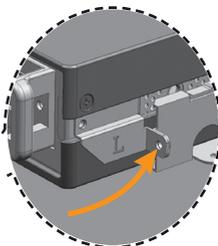
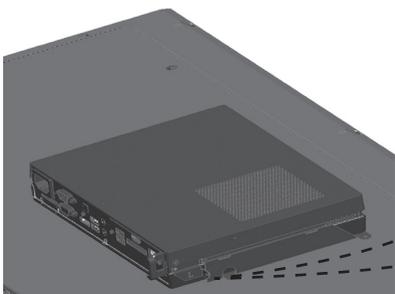
4 As shown below, use screws to secure the Box Guide in the four slots at the back of the monitor.



5 Attach the Box Guide to the rail slots, and press it upward.



6 Use screws to secure the player and the Box Guide as shown below.



In/Out Cable Connection

To view images on the monitor, you need to connect NC1100/NA1000/NA1100 to the monitor via a D-SUB, HDMI or DP cable.

⚠ Attention

- D-SUB, HDMI, DP, LINE-OUT, MIC-IN and LAN cables are not included in the basic components. If the cables were not provided with your monitor, you may need to purchase them separately.
- After cabling is complete, assign the SET ID of the monitor to be connected to NA1000/NC1100/NA1100.
- To configure the SET ID, please refer to the owner's manual for your monitor.

🔍 Note

When using the SuperSign Manager software:

- The monitor SET ID is a unique number used to identify the monitor. You can choose a number from 1 to 25. The SET ID allows the SuperSign Manager software to identify the monitor.
- In order to directly connect the monitor to NC1100/NA1000/NA1100, its SET ID must be set to 1.
- To use SuperSign Manager, the monitor that will be connected to NC1100/NA1000/NA1100 must support the LG RS232C protocol. A monitor supporting the LG RS232C protocol can control the monitor functions, such as brightness and sound, using SuperSign Manager.

Connecting a Monitor with D-sub Cable

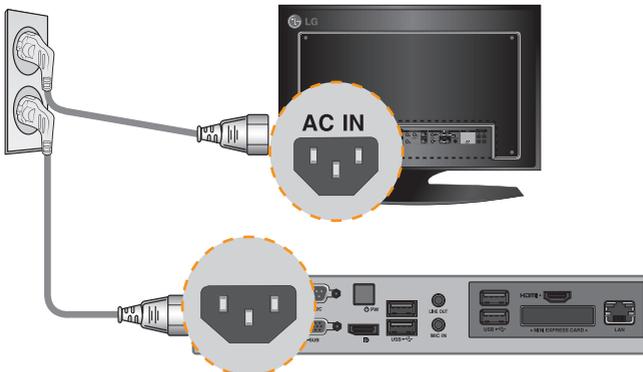
⚠ Attention

- Audio is not available when only the D-SUB cable is connected to the monitor. A LINE-OUT cable must be connected for audio output to function.

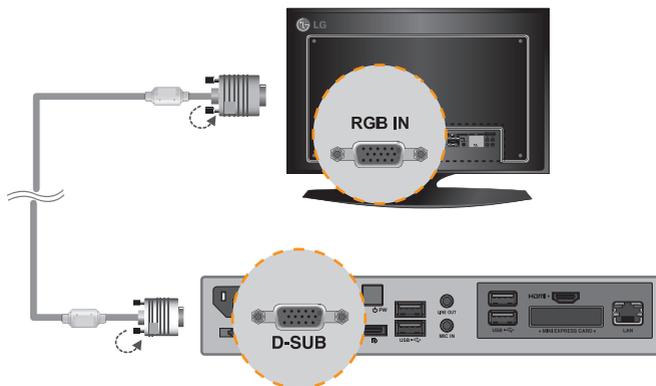
🔍 Note

- D-sub cables are also known as RGB cables.

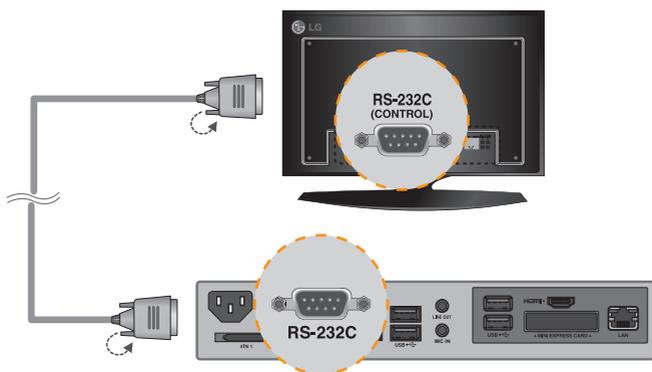
- 1 Connect the appropriate power cables to a monitor and NC1100/NA1000/NA1100 respectively.



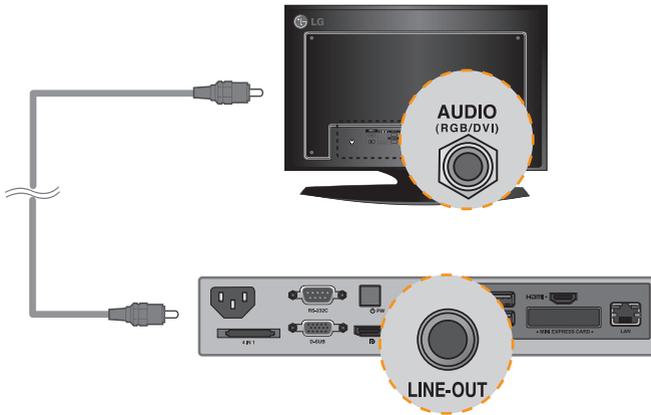
- 2 Connect the D-sub port of NC1100/NA1000/NA1100 and RGB-IN port of the monitor with a D-sub cable.



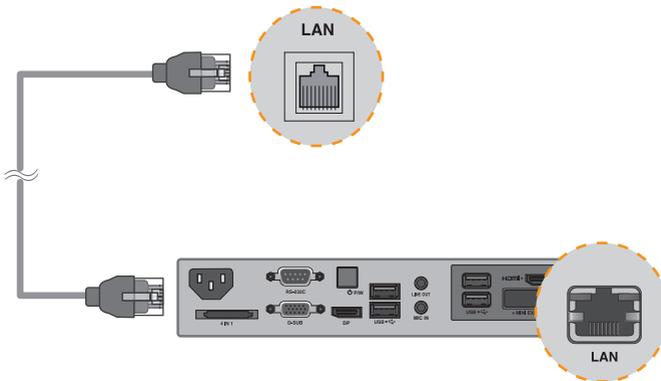
- 3 Connect NC1100/NA1000/NA1100 (OUT) to the monitor (IN) with an RS-232C cable.



- 4 Connect the NC1100/NA1000/NA1100 to the monitor with a LINE-OUT cable.



- 5 Connect a LAN cable to the NC1100/NA1000/NA1100.



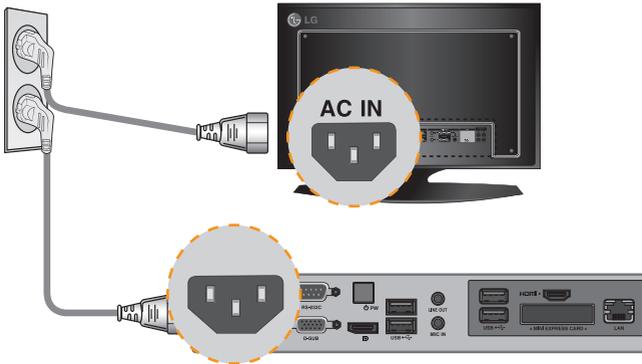
Connecting a Monitor with an HDMI Cable

HDMI connections allow digital video and audio signals to be transferred with one cable. HDMI cable connections do not require an additional audio in cable.

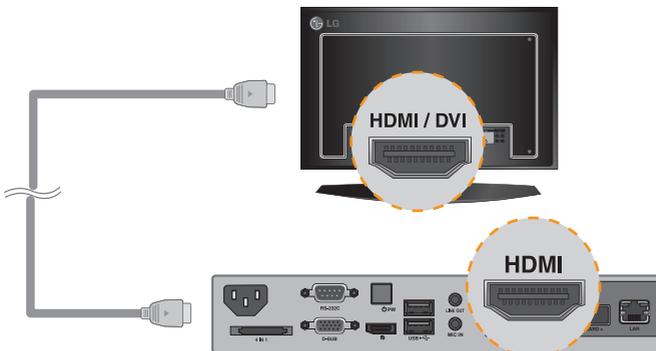
⚠ Attention

- The monitor to connect with NC1100/NA1000/NA1100 should have the HDMI in for the HDMI connection.
- To use the HDMI device, you need to activate the HDMI device in Microsoft Windows Embedded Standard, the operating system of the NC1100/NA1000/NA1100. To connect and disconnect the HDMI audio device, see the Connecting/Disconnecting HDMI Audio Device in Windows section of this document.

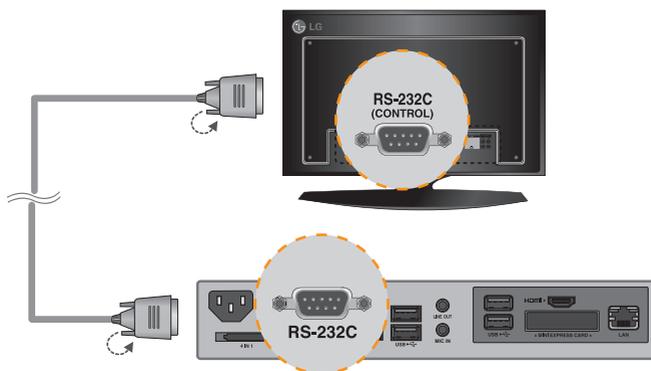
- 1 Connect the appropriate power cables to a monitor and NC1100/NA1000/NA1100 respectively.



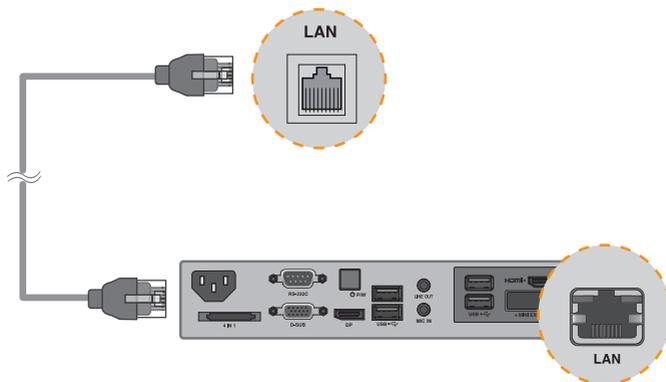
- 2 Connect NC1100/NA1000/NA1100 to a monitor with an HDMI cable.



3 Connect NC1100/NA1000/NA1100 (OUT) to the monitor (IN) with an RS-232C cable.



4 Connect a LAN cable to NC1100/NA1000/NA1100.



Connecting/Disconnecting HDMI Audio Device in Windows

Connecting HDMI Audio Device

Move to the desktop of the monitor connected to the NC1100/NA1000/NA1100.

- 1 Click the  button in the lower left of the screen.
- 2 Select **Start > Control Panel > Sounds and Audio Devices > Audio**.
- 3 Select **Play Sounds > Intel(R) Display Audio Output 1** from the list and click **OK**.

Disconnecting HDMI Audio Device

Move to the desktop of the monitor connected to the NC1100/NA1000/NA1100.

- 1 Click the  button in the lower left of the screen.
- 2 Select **Start > Control Panel > Sounds and Audio Devices > Audio**.
- 3 Select **Play Sounds > Realtek HD Audio output from the list** and click **OK**.

Connecting/Disconnecting HDMI Audio Device in Windows Embedded Standard 7 E,P

- 1 Select **Start > Control Panel > Hardware and Sound > Sound**.
- 2 Click the **Play** tap first. Right-click on the **HDMI device** or **speakers** you want and select **Set as Default Device** then click **OK** to connect the HDMI audio device or select **Disable** to disconnect it.
※ In order to change the audio devices, you must restart the computer.



Attention

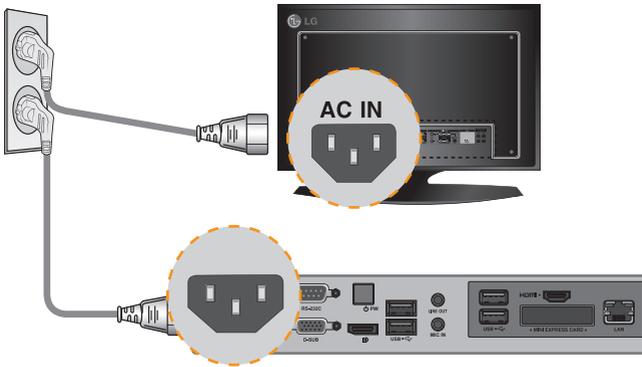
- If you do not reset after disconnecting the HDMI cable from the NC1100/NA1000/NA1100, the sound will not work.
- In order for the sound to work properly, stop playing the content and restart the NC1100/NA1000/NA1100.

Connecting a Monitor with DP Cable

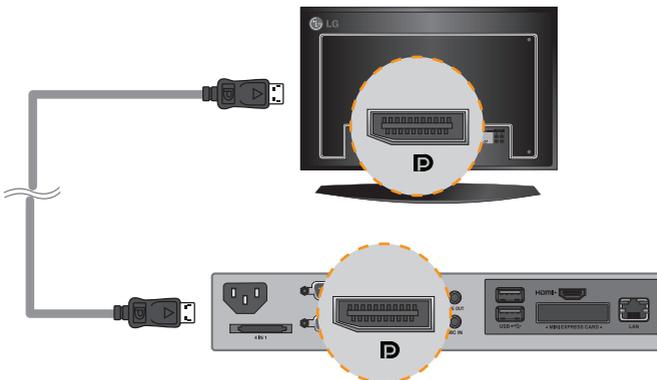
⚠ Attention

- To enable DP connection, the monitor that will be connected to NC1100/NA1000/NA1100 must support the DP input port.
- When connecting the DP (DisplayPort) cable, use the standard cable. Using a non-standard cable may cause a malfunction.

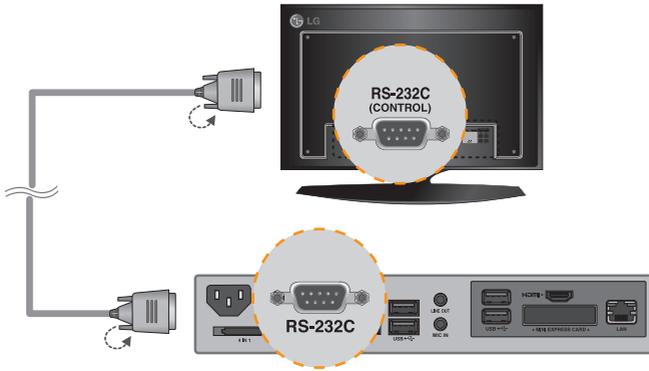
- 1 Connect the appropriate power cables to a monitor and NC1100/NA1000/NA1100 respectively.



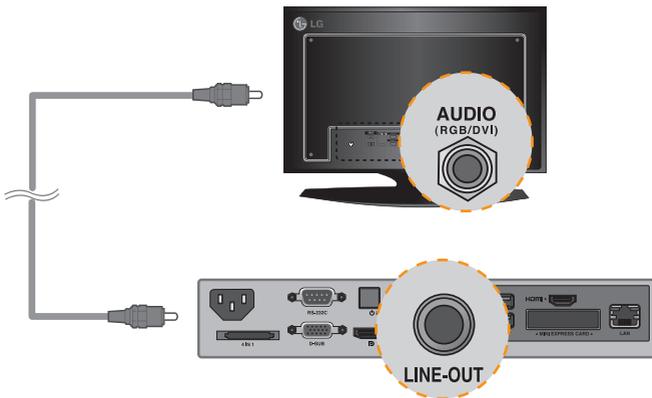
- 2 Connect NC1100/NA1000/NA1100 to the monitor via a DP cable.



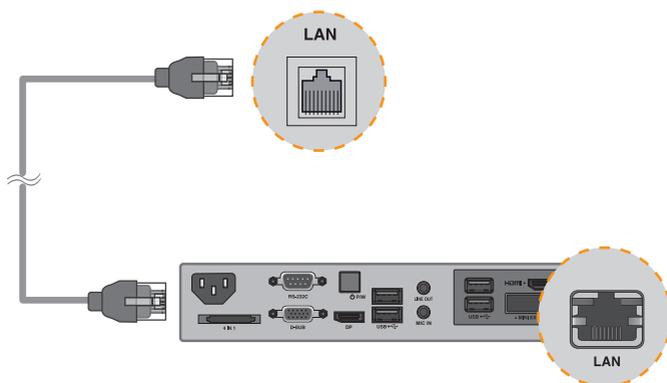
- 3 Connect NC1100/NA1000/NA1100 (OUT) to the monitor (IN) with an RS-232C cable.



- 4 Connect the NC1100/NA1000/NA1100 to the monitor with a LINE-OUT cable.



5 Connect a LAN cable to NC1100/NA1000/NA1100.



Attention

- NC1100/NA1000/NA1100 prioritizes video output in the following order: RGB → DP → HDMI. If you connect multiple cables simultaneously and turn the product on, video output is prioritized accordingly.
- When the product is turned on after cable connection or the operating system is completely booted, DP and HDMI video output start operating.
- The product does not support a dual mode where DP can be switched either to HDMI or DVI. It is only for DP output.
- The DisplayPort (DP) of the NC1100, NA1000 and NA1100 does not support digital audio output. It is recommended to use it with a line-out cable for analog audio output.

Connection to Multiple Monitors

Each NC1100/NA1000/NA1100 can accommodate up to 25 monitors for video playback. (SET ID: 1 to 25)

- 1 Connect the NC1100/NA1000/NA1100's **D-sub OUT** to the **D-sub IN** of the first monitor, which has **SET ID = 1**.
- 2 Connect other monitors with **D-sub** cables as shown below (**IN/OUT** separated).



- 3 Connect the NC1100/NA1000/NA1100's **RS-232C OUT** to the **RS-232C IN** of the first monitor, which has **SET ID = 1**.
- 4 Connect other monitors with RS-232C cables as shown below (**IN/OUT** separated).



Attention

- You may want to purchase additional RS-232C cables to use several monitors together.
- You cannot use multiple monitors with the HDMI cable.

NC2100/NA2000/NA2100

Specifications

Attention

- Product specifications may change without prior notice to improve performance.

General Specifications

Dimensions	99 mm (W) x 179 mm (H) x 28.5 mm (D) (only Set)
Weight	0.288 kg (only Set)
CPU(NC2100)	Intel® Celeron® Processor P4500 (2M Cache, 1.86 GHz)
CPU(NA2000)	Intel® Core™ i7-620M Processor (4M Cache, 2.66 GHz)
CPU(NA2100)	Intel® Core™ i5-520M Processor (3M Cache, 2.40 GHz)
Chip Set	Mobile Intel® QM57 Express Chipset
Main Memory	DDR3 1066 SODIMM type 1 GB, 2 GB
Secondary Storage Device	SATA SSD 8 GB, 16 GB, 32 GB, 64 GB
O/S	Windows Embedded Standard

Note

- Windows 7 is not supported in case of SSD 8 GB.

Multi I/O Port

Serial Port	N/A
USB Port	Hi-Speed USB 2.0 port 480 Mbps rate (x2)
LAN Port	Intel® 82577 Gigabit Ethernet PHY
VGA / HDMI / DP	Intel® HD Graphics Controller
4-in-1 Card	N/A
PCI Express Card Slot	Supported
LINE OUT	N/A
MIC IN	N/A

Operational Specifications

Resolution	Maximum Resolution	1920 x 1080 @ 60 Hz			
	Recommended Resolution	1920 x 1080 @ 60 Hz			
Power	Power Rating	12 V --- 4.5 A			
Operating Condition		Sync (H/V)	Video	LED	
	Normal Mode	On/On	Active	On	
	Deep Sleep Mode (Set = Off)	Off/Off	Off	Off	
Operating Conditions	Operating Conditions	Temperature	5 °C to 40 °C	Humidity	10 % to 80 %
	Storage Conditions	Temperature	-20 °C to 60 °C	Humidity	5 % to 95 %

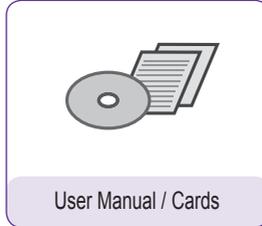
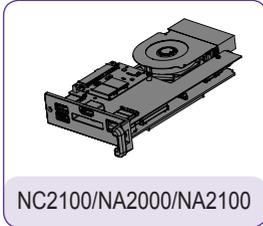
Note

- The resolution which is supported may differ depending on the monitors.
- Booting the Media Player with a device connected via a USB port may not work properly depending on the device.

Included in the Box

Basic Components

The NC2100/NA2000/NA2100 consists of the following components. Please check that these components have been included prior to installation.



Attention

- These illustrations may differ from your product and are subject to change.

Attention

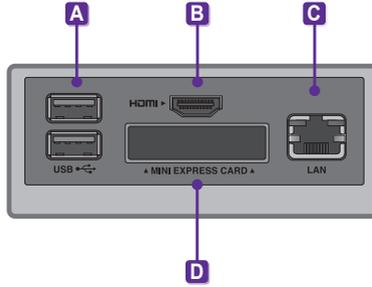
- The NC2100/NA2000/NA2100 model is compatible with the following models.
Applicable models: 32VS10, 42VS10, 47VS10

Attention

- Without prior notice, applicable models for NC2100/NA2000/NA2100 are subject to change to improve the performance of the product.

Connections

Back Panel



Number	Connection	Description
A	USB In	For USB-type devices, including memory, hard disk, CD-ROM, keyboard, and mouse.
B	HDMI Out	For an HDMI-compatible monitor.
C	LAN Connector	For a LAN cable.
D	PCI MINI EXPRESS Card Slot	Provided for PCI Mini Express Cards.

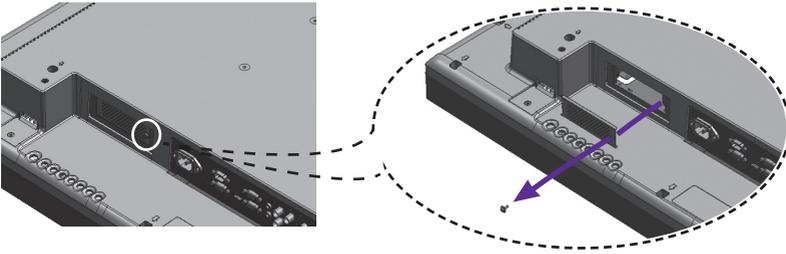
Installation

We recommend you to use the items provided with your NC2100/NA2000/NA2100 and follow our instructions for integrating the product with your monitor in order to ensure the correct results.

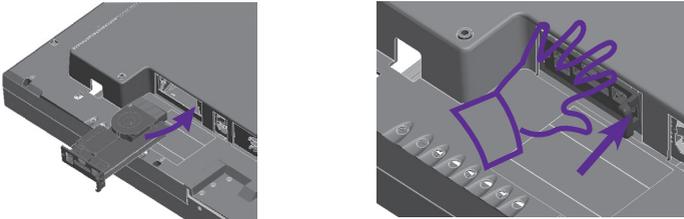
⚠ Attention

- The illustrations shown are to guide your integration and may differ from your product.

- 1 Remove the screw and Metal cover.



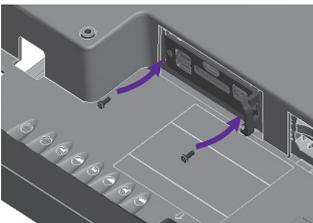
- 2 Attach the Box Guide to the rail slots, and press it upward.



📌 Note

- If card does not become fully inserted into the insertion direction. Hit by hand carefully to make fully connected.

- 3 Use screws to secure the player and the Box Guide as shown below.



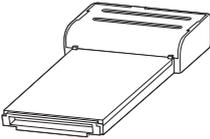
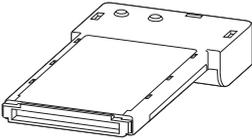
Appendix

Limitations of Microsoft Windows Embedded Standard

The following are potential errors that may occur due to internal limitations of Microsoft Windows Embedded Standard, which is the OS of SuperSign Player.

- If you press **Alt + Enter** on the DOS window, text other than English may be shown corrupted.
- If you use **Save As** function in the **Print** window, the menu window name will be displayed in English.
- When you move to sub-menu items such as Control Panel, some of the items, such as hyper terminal, country and language setting, will be written in English.

Frequently Asked Questions (FAQs)

Question	Answer
Where can I download the driver file?	<ul style="list-style-type: none">• You can obtain the file from the SuperSign Support website (http://www.lgsupersign.com).
The Express Card does not work. What should I do?	<ul style="list-style-type: none">• For NC1000/NC2000, insert the Express Card with the top side facing upward. (See Figure 1)• For NC1100/NA1000/NA1100/NC2100/NA2000/NA2100, insert the Express Card with the bottom side facing upward. (See Figure 2) <div data-bbox="420 911 630 1050"></div> <p data-bbox="445 1066 549 1090">< Figure 1 ></p> <div data-bbox="650 911 902 1050"></div> <p data-bbox="721 1066 825 1090">< Figure 2 ></p>
Where can I get a vaccine program?	This media player comes packaged with the Windows program only. Please purchase a vaccine program separately for use.



Make sure to read the Important Precautions before using the product.

Keep the User's Guide(CD) in an accessible place for future reference.

The model and serial number of the SET is located on the back and one side of the SET. Record it below should you ever need service.

MODEL _____

SERIAL _____

WARNING - This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Temporary noise is normal when powering ON or OFF this device.