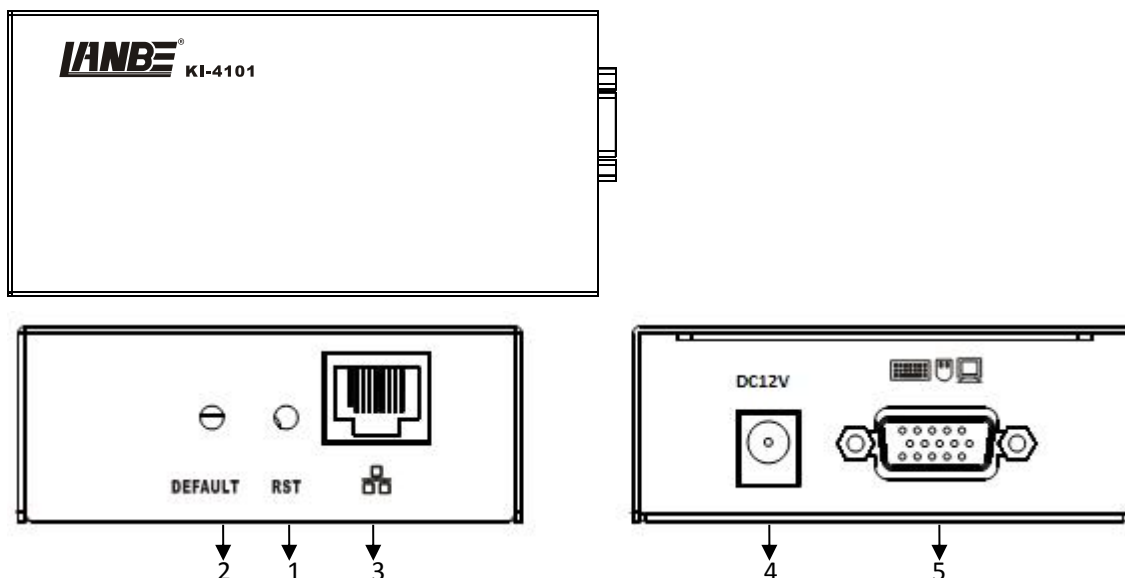


# KI-4101 Quick Installation Guide

## 1. Hardware Specifications

KI-4101 Product view:



### 1.Reset:

Press this button to restart KI-4101 device

### 2.Restore factory settings button:

Long press button for 5 seconds KI -4101 ( IP address, user name , login password) can return to the factory default settings

### 3.Network interface:

Can access the WAN ( wide area network ) or LAN ( Local Area Network) with 1000M

### 4.Power indicator:

After the power is turned on,his indicator lights

### 5.Power port:

Used to access DC12V 1A power supply

### 6.Signal input ports:

Graphics connection through DB15 cable and PC / server

## 2. Packing List

- ◆ KI-4101 IP-KVM switch
- ◆ Power adapter
- ◆ Quick installation guide
- ◆ User manual

Check to make sure that all the components are present and that nothing was damaged in shipping. If you encounter a problem, contact your dealer.

Read this manual thoroughly and follow the installation and operation procedure carefully to prevent any damage to the unit, and/or any of the devices that connect to it.

### 3. Installation Steps

#### BEFORE INSTALLATION

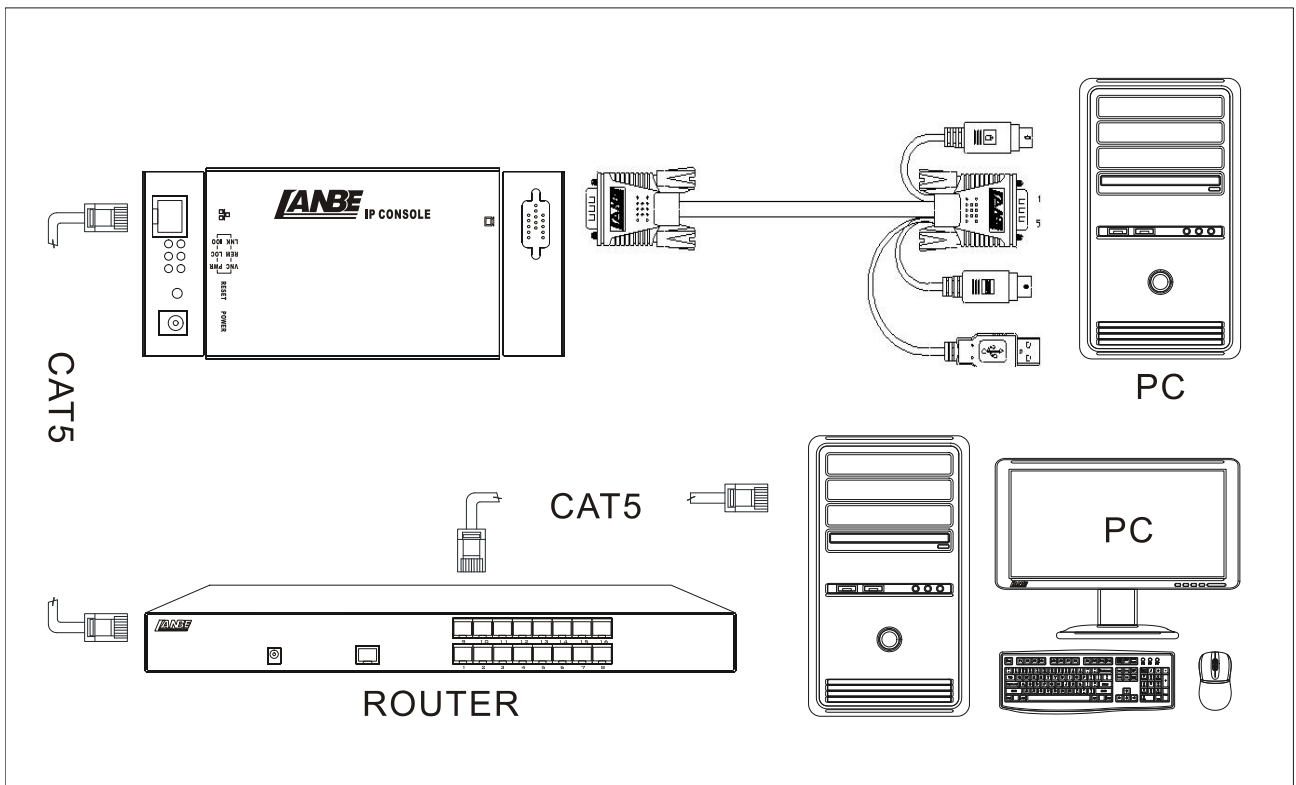
1. Make sure that power to all the devices you will be connecting up have been turned off.
2. To prevent damage to your installation, make sure that all devices on the installation are properly grounded.

#### INSTALLATION

1. Using end of KVM cable to connect PS2 keyboard, PS2 mouse and monitor port on panel and other end of KVM cable to connect corresponding port of controlled computer.
2. Using one end of crystal head of CAT5 UTP to plug RJ45 port on the switch panel.
3. Using other end of crystal head of CAT5 UTP to plug router or network interface which control PC in the LAN

This completes the installation, and you can turn on the power to the computers.

### 4. Installation Diagram



#### Remark:


1. default user name: admin ; password: admin; default IP address is:192.168.0.10.
2. product can be stored up to 50 user names and 5 user names can on line at the same time

3. log save up to 1000

## 5. Software Specification and installation

1. Software was burned in the CD attached with product.

2. Install as following steps:

Find the folder "IP KVM"  and install it successfully; then connect well all the devices; Plug in the product and connect to network, the default IP address is:192.168.0.10. Using one PC which in the same network segment and enter "http://192.168.0.10" in the browser and hit ENTER to access.

## Mouse settings

 Windows XP, Windows 2003 and Windows 2008 Settings


To configure KVM target servers running Microsoft. Windows XP. operating system, Windows 2003. operating system or Windows 2008. operating systems:

- i. Choose Start > Control Panel > Mouse
- ii. Click the Pointer Options tab
- iii. In the Motion group
- iv. Set the mouse motion speed setting to exactly the middle speed
- v. Disable the "Enhance pointer precision" option
- vi. Disable the Snap To option
- vii. Click OK

 Windows 7 and Windows Vista Settings

To configure KVM target servers running Windows Vista operating system:

- 1、 Choose Start > Settings > Control Panel > Mouse
- 2、 Select "Advanced system settings" from the left navigation panel. The System Properties dialog opens;
- 3、 Click the Pointer Options tab;
- 4、 In the Motion group:
- 5、 Set the mouse motion speed setting to exactly the middle speed;
- 6、 Disable the "Enhanced pointer precision" option;
- 7、 Click OK

 To configure KVM target servers running Windows 7. operating system:

- Choose Start > Control Panel > Hardware and Sound > Mouse;
- Click the Pointer Options tab;
- In the Motion group:
- Set the mouse motion speed setting to exactly the middle speed;

- Disable the "Enhanced pointer precision" option;
- Click OK

#### Windows 2000 Settings

To configure KVM target servers running Microsoft. Windows 2000. operating system:

- i. Choose Start > Control Panel > Mouse;
- ii. Click the Motion tab;
- iii. Set the acceleration to None;
- iv. Set the mouse motion speed setting to exactly the middle speed;
- v. Click OK

#### To configure KVM target servers running Linux. (graphical user interface):

- i. Choose Main Menu > Preferences > Mouse. The Mouse Preferences dialog appears;
- ii. Click the Motion tab;
- iii. Within the Speed group, set the Acceleration slider to the exact center;
- iv. Within the Speed group, set the Sensitivity towards low;
- v. Within the Drag & Drop group, set the Threshold towards small;
- vi. Close the Mouse Preferences dialog;

Note: If these steps do not work, issue the `xset mouse 1 1` command as described in the Linux command line instructions.

#### To configure KVM target servers running Linux (command line)::

- i. Set the mouse acceleration to exactly 1 and set the threshold to exactly 1. Enter this command: `xset mouse 1 1`. This should be set for execution upon login;

#### To configure Red Hat servers using USB CIMS:

- i. Locate the configuration file (usually `/etc/modules.conf`) in your system;

Using the editor of your choice, make sure that the alias `usb-controller` line in the `modules.conf` file is as follows:

```
alias usb-controller usb-uhci
```

Note: If there is another line using `usb-uhci` in the `/etc/modules.conf` file, it needs to be removed or commented out;

- ii. Save the file;
- iii. Reboot the system in order for the changes to take effect.

#### Linux Settings (for Standard Mouse Mode)

Note: The following settings are optimized for Standard Mouse mode only;

To configure KVM target servers running Linux. (graphical user interface):

- i. Red Hat 5 users, choose Main Menu > Preferences > Mouse,  
Red Hat 4 users, choose System > Preferences > Mouse. The Mouse Preferences dialog appears;
- ii. Click on the Motion tab;
- iii. Within the Speed group, set the Acceleration slider to the exact center;
- iv. Within the Speed group, set the Sensitivity towards low;
- v. Within the Drag & Drop group, set the Threshold towards small;
- vi. Close the Mouse Preferences dialog.

Note: If these steps do not work, issue the `xset mouse 1 1` command as described in the Linux command line instructions;

#### SUSE Linux 10.1 Settings

Note: Do not attempt to synchronize the mouse at the SUSE Linux. login prompt. You must be connected to the target server to synchronize the mouse cursors.

To configure the mouse settings:

- Choose Desktop > Control Center. The Desktop Preferences dialog appears;
- Click Mouse. The Mouse Preferences dialog appears;
- Open the Motion tab;
- Within the Speed group, set the Acceleration slider to the exact center position;
- Within the Speed group, set the Sensitivity slider to low;
- Within the Drag & Drop group, set the Threshold slider to small;
- Click Close.

#### ■ Sun Solaris Settings

To configure KVM target servers running Sun. Solaris. :

1. Set the mouse acceleration value to exactly 1 and the threshold to exactly 1. This can be performed from: The graphical user interface.

To configure the mouse settings (Sun Solaris 10.1):

2. Choose Launcher. Application Manager - Desktop Controls opens.
3. Choose Mouse Style Manager. The Style Manager - Mouse dialog appears.
4. Set the Acceleration slider to 1.0.
5. Set the Threshold slider to 1.0.
6. Click OK.

#### a) IBM AIX 5.3 Settings

Follow these steps to configure KVM target servers running IBM. AIX. 5.3.

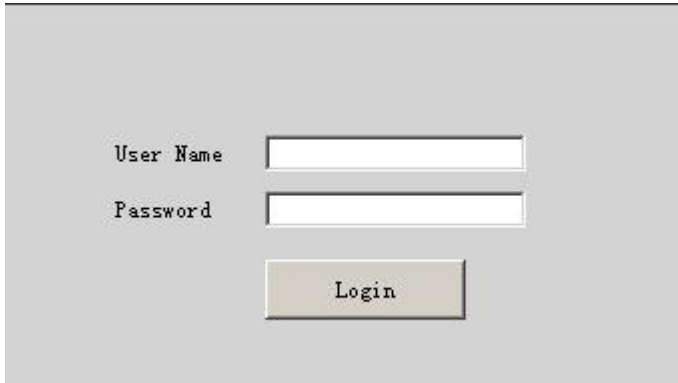
To configure the mouse:

- i. Go to Launcher
- ii. Choose Style Manager.
- iii. Click Mouse. The Style Manager - Mouse dialog appears.
- iv. Use the sliders to set the Mouse acceleration to 1.0 and Threshold to 1.0.
- v. Click OK.

# WEB server operation

## i. Login and using of WEB Server

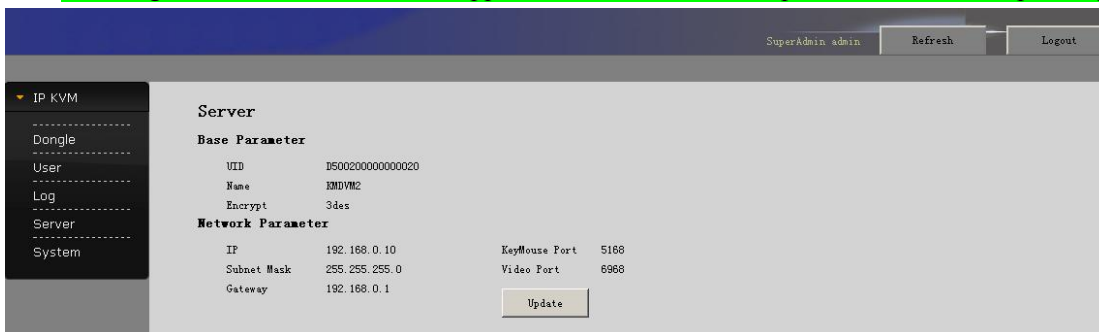
Enter "http://192.168.0.10" in browser and click ENTER to access and will appear below login interface. The default user name is admin, and password is admin. Password can be revised after login.



The image shows a simple login interface with a light gray background. It contains two text input fields: the first is labeled "User Name" and the second is labeled "Password". Below these fields is a rectangular button with the text "Login" centered on it.

## ii. Operation instructions

After login, the main interface will appear as below. Users can operate base on corresponding authority.



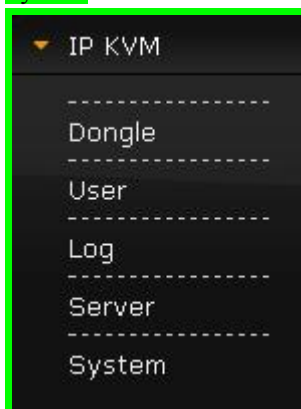
The image displays the main interface of the web server. At the top right, there is a header bar with the text "SuperAdmin: admin" and two buttons: "Refresh" and "Logout". On the left side, there is a vertical navigation menu with the following items: "IP KVM", "Dongle", "User", "Log", "Server", and "System". The main content area is titled "Server" and contains two sections: "Base Parameter" and "Network Parameter".

Base Parameter	
UID	D500200000000020
Name	KMDVM2
Encrypt	3des


Network Parameter			
IP	192.168.0.10	KeyMouse Port	5168
Subnet Mask	255.255.255.0	Video Port	6968
Gateway	192.168.0.1		

At the bottom of the network parameters, there is an "Update" button.



Five function options on the function line of the left of main interface: Console, User, Log, Network, and System



This image is a close-up of the left navigation menu from the main interface. It shows a dark gray sidebar with a list of menu items: "IP KVM", "Dongle", "User", "Log", "Server", and "System". Each item is separated by a dashed horizontal line.

- Console: Click  on the left to modify equipment description or register information, as below picture.

Online Dongle

Modify	PortID	Name	Type	Group	UID	Status	Client	Position1	Position2
	1	C1USB10000000000	usb		C1USB10000000000	idle			

#### Modify dongle

Name	<input type="text" value="C1USB100000000002"/>
Type	<input type="text" value="usb"/>
Group	<input type="text"/>
UID	<input type="text" value="C1USB100000000002"/>
Online Status	<input type="text" value="idle"/>
Position1	<input type="text"/>
Position2	<input type="text"/>
Department	<input type="text"/>
Memo	<input type="text"/>
Share Mode	<input type="text" value="full share"/>
Bit Stream	<input type="text" value="2000"/>
Frame Rate	<input type="text" value="30"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

- User: Mainly for user management, include three grade: Super Administrator (only one and couldn't be deleted), Administrator, User. User system include three group which can be made base on actual using condition. Higher grade user can add, delete or modify lower grade user. It can be done by modify as below picture.

### Group and User

**Group**

Level	Group	Query	Modify
super	SuperAdmin		
administrator	Adminstrat		
normal	User		

**User**

Name	Group	Name2	Status	Memo	Query	Modify	Delete
admin	SuperAdmin	ADMIN	online				

### Insert user

**Base Parameter**

Name	<input type="text"/>	Name2	<input type="text"/>
Password	<input type="text"/>	Home Addr	<input type="text"/>
Password Confirm	<input type="text"/>	Company Addr	<input type="text"/>
Group	<input type="text" value="User"/>	Phone	<input type="text"/>
Memo	<input type="text"/>	Email	<input type="text"/>
		Memo2	<input type="text"/>

**Dongle Privilege**

uid0  Use  Modify

➤ Log: Support many kinds of log query and log detail as below.

### log query

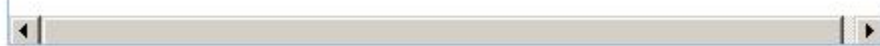
username  begin  end  type

user name	time	ip	type	query
lanbe	2016-07-04 09:28:10	192.168.0.127	修改矩阵	
lanbe	2016-07-04 11:19:50	192.168.0.127	修改矩阵	
lanbe	2016-07-04 11:22:41	192.168.0.127	修改矩阵	
lanbe	2016-07-04 11:28:40	192.168.0.127	修改矩阵	
lanbe	2016-07-05 15:09:22	192.168.0.127	update userGroup	
lanbe	2016-07-07 09:47:38	192.168.0.186	update userGroup	



### Query log detail

Name	Old Value	New Value
uid	C1USB100000000002	C1USB100000000002
name	C1USB100000000002	C1USB100000000002
shareMode	full share	full share
type	usb	usb
group		
position1		office
position2		
department		
memo		
bit stream	2000	2000
frame rate	30	30



Quit

- Network: Some information of server like IP address, UID, name, etc, which can be modified.

### Modify Server

#### Base Parameter

UID   
Name   
Encrypt

#### Network Parameter

IP       KeyMouse Port   
Subnet Mask       Video Port   
Gateway

Save      Cancel

- System: Time setting and online update of equipment system




## System Maintain


Product	IPKVM Series		
Version	<input type="text" value="V112916"/>		
Device Daytime	<input type="text" value="2016-11-30 14:08:27"/>		
Set Device Daytime	<input type="text"/>	<input type="button" value="Set"/>	
Restart Device	<input type="button" value="Restart"/>		
Update Firmware	<input type="button" value="Select File"/>	<input type="button" value="Non-Selected"/>	<input type="button" value="Update"/>

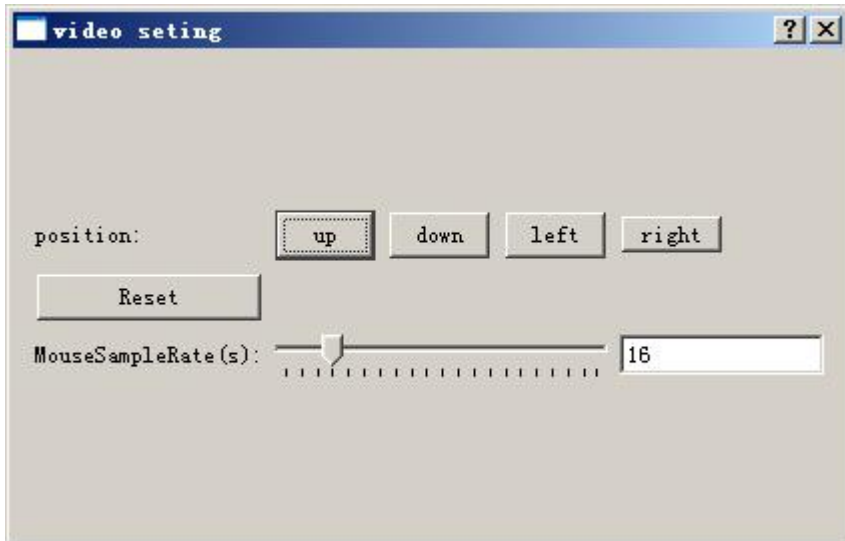
◆ Login  
After login Console interface, click “ ” image in dongle interface for KVM session, as below.





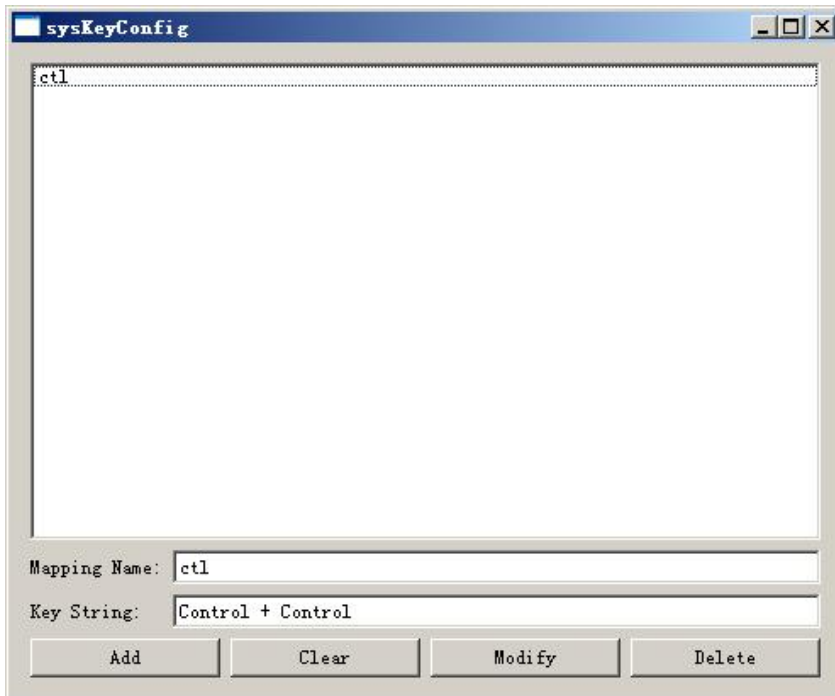
International standard DES is used in this software to encrypt user data, to avoid data leakage and guarantee security.


After login, system will automatically calibrate mouse. If it fail, please click “”image on left to operate manually. Click “”can make display in full screen. If the mouse doesn't work, please click “”to get control authority in idle period of equipment and authority.

Adjusting display area of screen can be done by clicking “”, set as below picture. The screen can be moved around or reset to initial setting. It can also be used when display shows abnormal.



Click “” can hide local mouse. “” is remote hotkey editing button, click for a popup to add hotkey as below picture.



Click “” can choose remote shortcut key directly to operate the controlled machine.

## 6. Specification

Product number	KI-4101	
Control port	keyboard	RJ45 port x 1
	mouse	
	video	
Input port	keyboard	HD15F/integration port x 1 (VGA video, USB mouse/keyboard, PS/2mouse/keyboard)
	mouse	
	video	
Power supply port	DC-5.5*2.1	
Reset	network re-connect	
Default	Initialize IP module default IP address, administrator name and initial password	
LED indicator	Power indicator	
Max resolution	1920 x 1080@60Hz	
Power Supply	DC 12V 1000mA	
Operating temperature	0-50°C	
Storage temperature	-20°C-60°C	
Housing	metal	
Weight	0.5KG	
Dimensions(L x W x H )	162*78*30mm	

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However,

there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference,
- and (2) this device must accept any interference received, including interference that may cause undesired operation.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.