
Vivitar®

DP-1200X

Digital Projector User Manual



English

030531

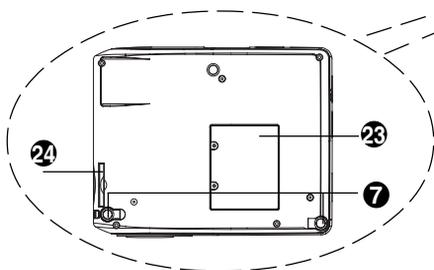
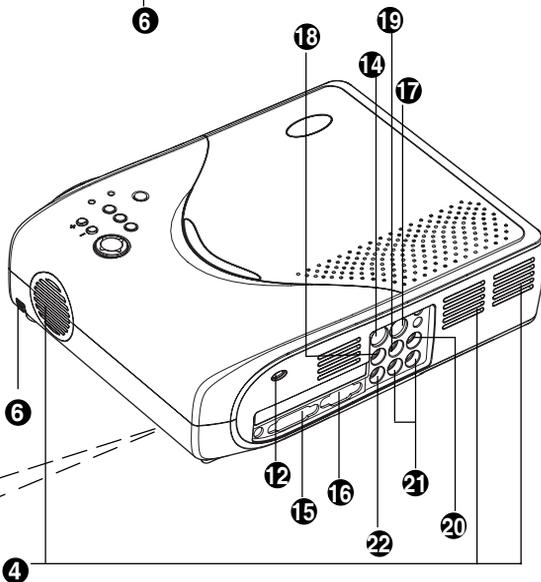
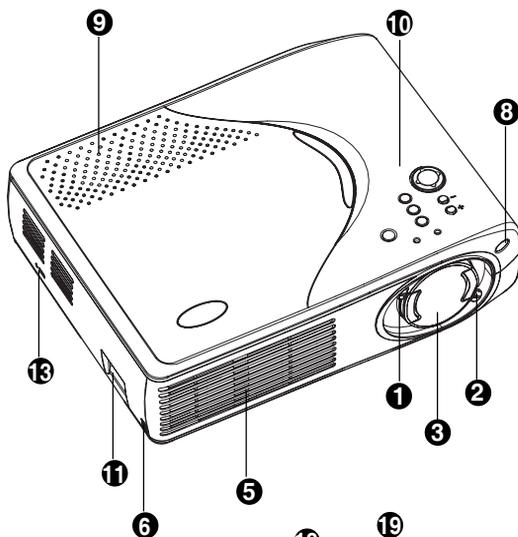
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PROJECTOR FEATURES AND CONTROLS

PROJECTOR

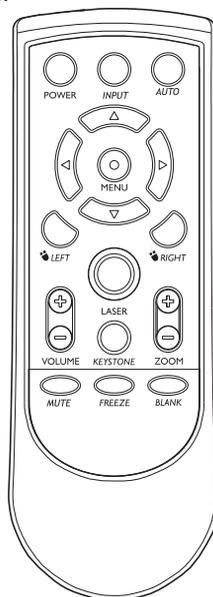
- 1.Zoom ring
- 2.Focus ring
- 3.Lens
- 4.Ventilation holes (intake)
- 5.Ventilation holes (exhaust)
- 6.Adjuster button
- 7.Height adjustment
- 8.Front IR remote controller sensor
- 9.Speakers
- 10.Control Panel including
Power button
- 11.AC power socket
- 12.Rear IR remote controller sensor
- 13.Security lock receptacle
- 14.Control port (PS2 & USB)
- 15.Computer IN (DVI-I) connector
- 16.Monitor OUT
- 17.S-video input
- 18.Y connector
- 19.Cb connector
- 20.Cr connector
- 21.Audio input jacks (L & R)
- 22.Composite Video input jack
- 23.Lamp cover
- 24.Air filter



REMOTE CONTROLLER

Button Function

POWER	Turns the projector and lamp ON and OFF.
INPUT	Manually selects an input source.
AUTO	Automatically adjusts frequency and phase.
MENU	Displays (or hides) the on-screen display menus.
▲	Scrolls up through the menu choices.
▼	Scrolls down through the menu choices.
▶	Increases the value setting on the selected sub-menus, or confirms a menu selection.
◀	Decreases the value setting on the selected sub-menus.
🖱️ LEFT	Functions as left mouse(only functions when your projector is equipped with an optional mouse link cable).
🖱️ RIGHT	Functions as right mouse(only functions when your projector is equipped with an optional mouse link cable).
LASER	Fires laser pointer (press and hold).
VOLUME(+, -)	Adjusts the volume of the projector's speakers.
KEYSTONE	Selects vertical or horizontal trapezoidal distortion.
ZOOM(+, -)	Digitally zooms the current image window.
MUTE	Cuts off the sound temporarily.
FREEZE	Freezes the current graphics and video image on the screen.
BLANK	Cuts off the screen temporarily.

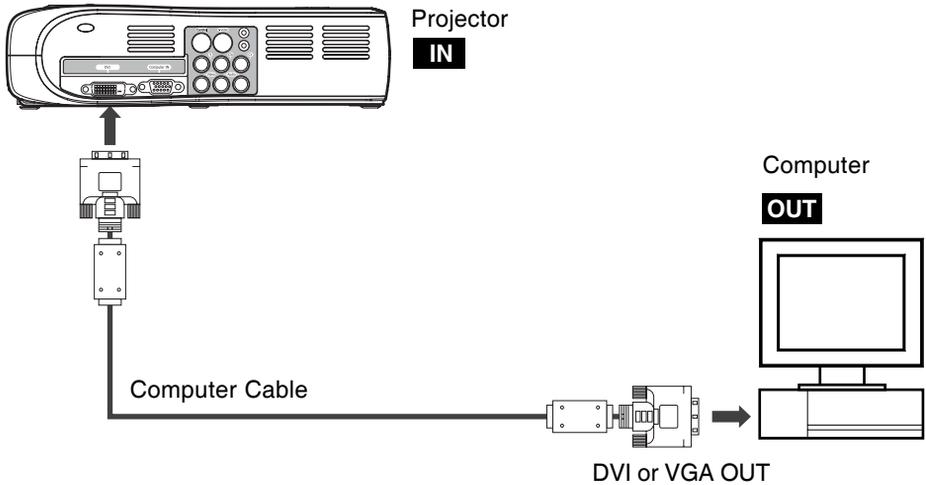


Note:

- During the on-screen display(OSD) menu is inactive, the ▲, ▼, ▶, ◀, 🖱️ LEFT and 🖱️ RIGHT buttons will function as a remote mouse for your PC (only if your projector is equipped with an optional mouse link cable).
- Toggle the KEYSTONE button to select the desired trapezoidal distortion. To adjust the trapezoidal distortion of the projection, press the ◀ or ▶ button.



Connecting to a Computer



The projector will always project at XGA (1024 x 768) resolution. (XGA is the native resolution of the projector.) However, you can connect the projector to a computer source capable of displaying VGA (640 x 480), SVGA (800 x 600), XGA or SXGA (1280 x 1024) resolutions. The projector will resize VGA, SVGA, and SXGA inputs for XGA projection. The types of computers supported by this projector include IBM, Macintosh and Apple compatible laptop or desktop PCs (PC compatibles).

Note:

If the input source is Computer, it can produce MONITOR OUT function.



Using the Projector

This section describes projector operations:

- Turning the projector and A/V equipment on and off
- Adjusting the projected image
- Projector controls
- Checking the projector status

Turning the Audio/Visual (A/V) Equipment On and Off

Always turn on the projector and related A/V equipment in the following order.

1. Projector
2. Computer
3. Video source
4. Audio source

Turning the Projector On and Off

1. Connect the power cord to the projector.
2. Insert the power plug into a wall outlet.
3. Remove the projector lens cap.
4. Press the Power button (on either the Remote Controller or the Projector Control Panel) to turn on the projector. When the lamp LED indicator lights in green, the projecting image gets full illumination.

Warning:

*Never look into the lens when the lamp is on. This can damage your eyes.
It is especially important that children are not allowed to look into the lens.*

5. To turn off the projector, press the Power button. A message will appear on the screen for about 10 seconds:

6. Press the Power button once again (to turn off the power) while the message is still showing on the screen.

Press power key again to turn off

Note:

*Please wait until the fan motor turns off and the Power LED becomes **red** before removing the power cord from the projector.*

Operational Indicator (LED)

There are two LEDs on the top of the projector, the Power LED and the Lamp LED. They provide valuable information about the projector.

LED TYPE	COLOR	STATUS	MEANING
Power LED	Green	Solid	The projector is powered and ready.
Power LED	Red	Solid	The projector system has some problems with its fan, so the projector cannot start up.
Lamp LED	Green	Solid	The lamp is in good condition and is projecting at maximum brightness.
Lamp LED	Red	Solid	The lamp has reached its end of life and must be changed soon. The lamp will continue to operate until it fails. Change the lamp and reset the lamp time counter.
Lamp LED	Amber	Flashing	The projector is shutting down. The fan motor is cooling the lamp for shutdown. Do not unplug the power cable or turn the power switch off before the Lamp LED turns off. The fan motor will turn off when the lamp has cooled.

PROJECTOR CONTROL MENUS

This section describes how to make various adjustments and settings using the menus.

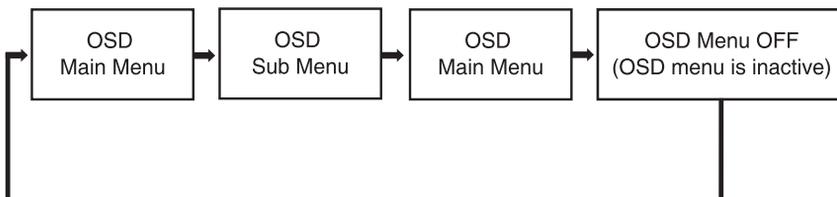
Changing a Menu Setting

The projector menus can be accessed using either the Projector Control Panel or the Remote Controller.

1.Changing the menu display:

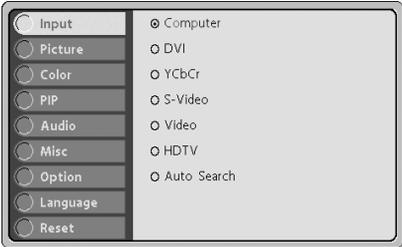
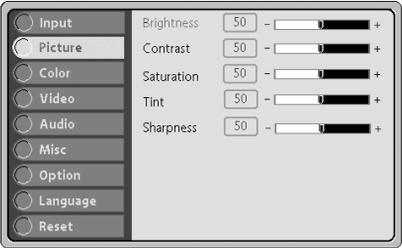
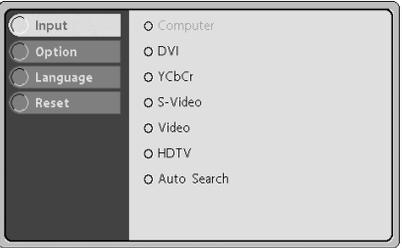
Press the MENU button either on the Remote Controller or the Projector Control Panel.

Each press of the MENU button switches the display format as follows:



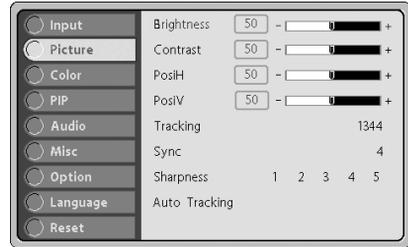
Menu Options

The projector is equipped with three types of on-screen display(OSD) menus. Each OSD menu interface you will see on the screen is depending on the type of input signal.

Input Signal Type	Menu Interface
Computer DVI HDTV	 <p>Input, Picture, Color, PIP, Audio, Misc, Option, Language, Reset</p>
S-Video Video YCbCr	 <p>Input, Picture, Color, Video, Audio, Misc, Option, Language, Reset</p>
None	 <p>Input, Option, Language, Reset</p>

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

1. Press the MENU button to display OSD menu.
2. Press the ▲ or ▼ button to select PICTURE menu.
3. To enter the sub-menu setting, press the MENU button once again.
4. Press the ▲ or ▼ button to select the sub-menu item.
5. Press the ◀ or ▶ button to adjust the value of desired sub-menu item.
 - On the Auto Tracking sub-menu, press the ► button to confirm the selection.
6. After you have done with the adjustment of a sub-menu item:
 - a. To resume changing another sub-menu item: press the ▲ or ▼ button.
 - b. To exit from the current menu: toggle the MENU button.



The following table provides detail of the available sub-menu choices:

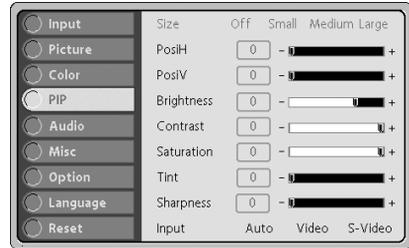
Sub-Menu	Description
Brightness	The higher the setting, the brighter the image. The lower the setting, the darker the image.
Contrast	The higher the setting, the greater the contrast. The lower the setting, the lower the contrast.
PosiH	Adjusts the horizontal position.
PosiV	Adjusts the vertical position.
Tracking	Adjusts the horizontal pixel of the image.
Sync	Adjusts the dot phase of the input signal. Adjusts the picture to where it looks best.
Sharpness	The higher the setting, the sharper the image. The lower the setting, the softer the image.
Auto Tracking	Automatically scans the projected image to fine tune.

PIP Menu

This menu enables you to adjust the PIP (additional video image window on the graphics background) settings such its size, position (horizontal & vertical), brightness, contrast, saturation, tint, sharpness and source selection.

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

1. Press the MENU button to display OSD menu.
2. Press the ▲ or ▼ button to select PIP menu.
3. To enter the sub-menu setting, press the MENU button once again.
4. Press the ▲ or ▼ button to select the sub-menu item.
5. Press the ◀ or ▶ button to adjust the value of desired sub-menu item.
 - On the Size and Input sub-menus, press the ◀ or ▶ button to select the desired setting.
6. After you have done with the adjustment of a sub-menu item:
 - a. To resume changing another sub-menu item: press the ▲ or ▼ button.
 - b. To exit from the current menu: toggle the MENU button.

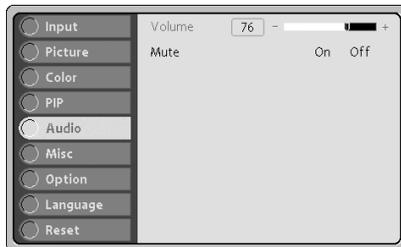


Audio Menu

This menu allows you to control volume and mute(on/off) the audio.

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

1. Press the MENU button to display OSD menu.
2. Press the ▲ or ▼ button to select AUDIO menu.
3. To enter the sub-menu setting, press the MENU button once again.
4. Press the ▲ or ▼ button to select the sub-menu item.
5. Press the ◀ or ▶ button to adjust the value of desired sub-menu item.
 - On the Mute sub-menu, press the ◀ or ▶ button to select the desired setting.
6. After you have done with the adjustment of a sub-menu item:
 - a. To resume changing another sub-menu item: press the ▲ or ▼ button.
 - b. To exit from the current menu: toggle the MENU button.



The following table provides detail of the available sub-menu choices:

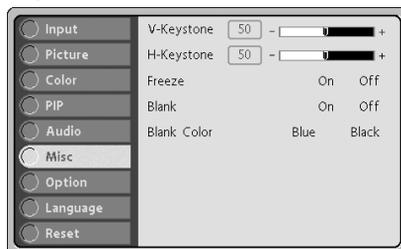
Sub-Menu	Option	Description
Volume		Adjusts the volume.
Mute		Cuts off the sound temporarily.
	On	Mute function is active.
	Off	Mute function is inactive.

MISC Menu

This menu includes projector utilities for keystone(vertical & horizontal), freeze frame (on/off), blank screen(on/off), and blank color mode settings.

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

1. Press the MENU button to display OSD menu.
2. Press the ▲ or ▼ button to select MISC menu.

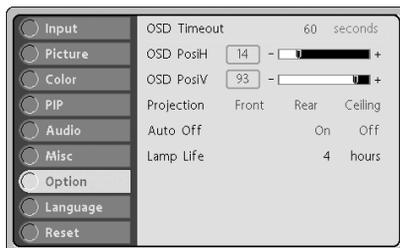


4. Press the ▲ or ▼ button to select the sub-menu item.

5. Press the ◀ or ▶ button to adjust the value of desired sub-menu item.

■ On the Projection and Auto Off sub-menus, press the ◀ or ▶ button to select the desired setting.

■ On the Lamp Life sub-menu, the lamp's lifetime counter is calculated by the projector system.



6. After you have done with the adjustment of a sub-menu item:

- a. To resume changing another sub-menu item: press the ▲ or ▼ button.
- b. To exit from the current menu: toggle the MENU button.

The following table provides detail of the available sub-menu choices:

Sub-Menu	Option	Description
OSD Timeout		Duration OSD menu stays active (at idle state).
OSD PosiH		Adjusts OSD menu display position (horizontally - left & right) on the screen.
OSD PosiV		Adjusts OSD menu display position (vertically - up & down) on the screen.
Projection		Sets the projection display.
	Front	The image is projected directly on the screen.
	Rear	The image is reversed horizontally.
	Ceiling	The image is inverted vertically.
Auto Off		Automatically turns off the lamp if the projector does not detect an input signal for specified time period (30 minutes).
	On	Auto Off is active.
	Off	Auto Off is inactive.
Lamp Life		Displays lamp's lifetime counter (by hour).

Language Menu

This menu enables you to select the language used in the OSD(on-screen display) menus.

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

- 1.Press the MENU button to display OSD menu.
- 2.Press the ▲ or ▼ button to select LANGUAGE menu.
- 3.To enter the sub-menu setting, press the MENU button once again.
- 4.Press the ▲ or ▼ button to select the desired OSD language.
- 5.Press the ► button to confirm the OSD language selection.
- 6.To exit from the current menu, toggle the MENU button.



Note:

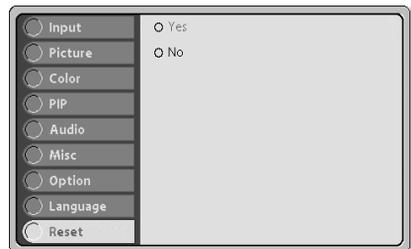
This projector supports multilanguage.

Reset Menu

This menu allows you to restore all projector settings and adjustments back to the factory defaults.

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

- 1.Press the MENU button to display OSD menu.
- 2.Press the ▲ or ▼ button to select RESET menu.
- 3.To enter the sub-menu setting, press the MENU button once again.
- 4.Press the ▲ or ▼ to select YES if you want to restore all projector settings to the factory defaults.
- 5.Press the ► button to confirm the selection.
- 6.To exit from the current menu, toggle the MENU button.



Other Related OSD Menus

Following are the descriptions on the on-screen display menus with video input sources and without input source attached to your projector.

Video Input Signal

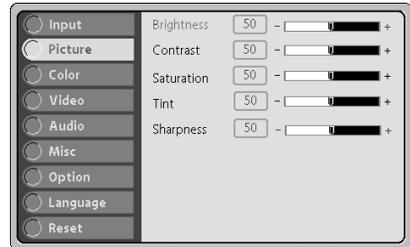
If the input signal comes from composite video(video), S-video or component video (YCbCr), you may see different PICTURE menu and VIDEO menu interface.

Picture Menu

This menu provides precise control of the projected image including: brightness, contrast, saturation, tint and sharpness(video signal).

Changing settings procedure (using either the Projector Control Panel or the Remote Controller):

1. Press the MENU button to display OSD menu.
2. Press the ▲ or ▼ button to select PICTURE menu.
3. To enter the sub-menu setting, press the MENU button once again.
4. Press the ▲ or ▼ button to select the sub-menu item.
5. Press the ◀ or ▶ button to adjust the value of desired sub-menu item.
6. After you have done with the adjustment of a sub-menu item:
 - a. To resume changing another sub-menu item: press the ▲ or ▼ button.
 - b. To exit from the current menu: toggle the MENU button.



Replacing the Lamp

The projector lamp used for the light source has a certain life. It is time to replace them lamp when:

- When lamp dims, the projected image gets darker or starts to deteriorate.
- The projector lamp LED indicator turns to red (See page 16).

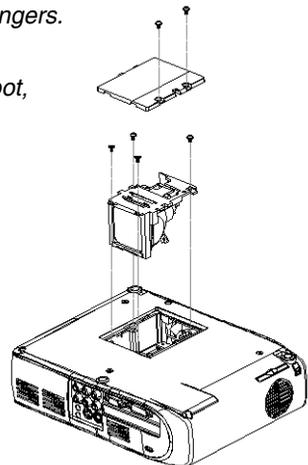
Caution:

△ *The lamp becomes a high temperature after turning off the projector with the power button. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least an hour for the lamp to cool. Be sure to turn off the projector and unplug the power cord before replacing the lamp.*

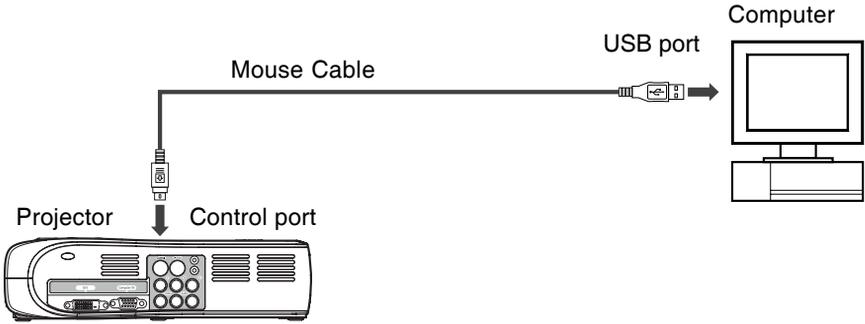
1. Turn off the projector and unplug the power cable.
2. Turn the projector over so you can access the lamp cover.
3. Remove the access panel screws and open the panel.
4. Remove the screws on the bottom of the lamp assembly.
5. Grasp the lamp handle and pull the lamp assembly directly out of the projector.
6. Replace with the new lamp.
7. Place back the screws on the bottom of lamp assembly.
8. Place the panel and screw back the screws on the lamp cover.

Note:

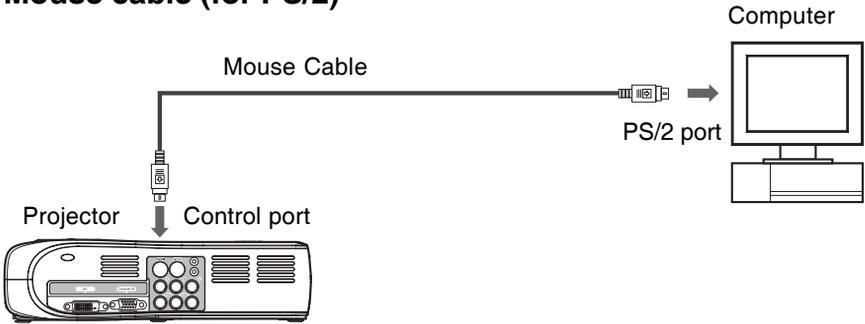
- *Be sure not to touch the optical surfaces with your fingers. Lint-free gloves or finger cots are recommended.*
- *Do not put your hands into the lamp replacement spot, or not fall any liquid or object into it to avoid electrical shock or fire.*
- *Be sure to turn off the projector and unplug the power cord before replacing the lamp.*



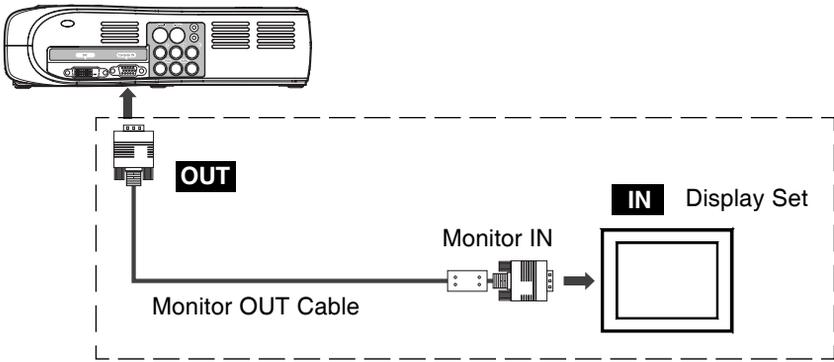
Mouse cable (for USB)



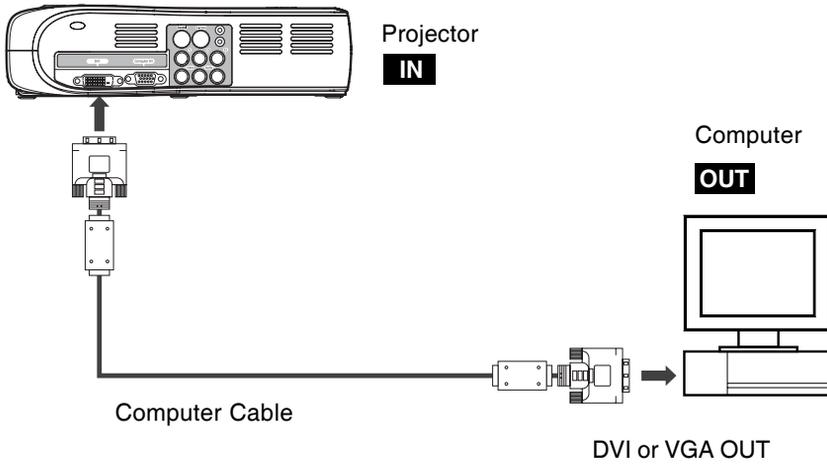
Mouse cable (for PS/2)



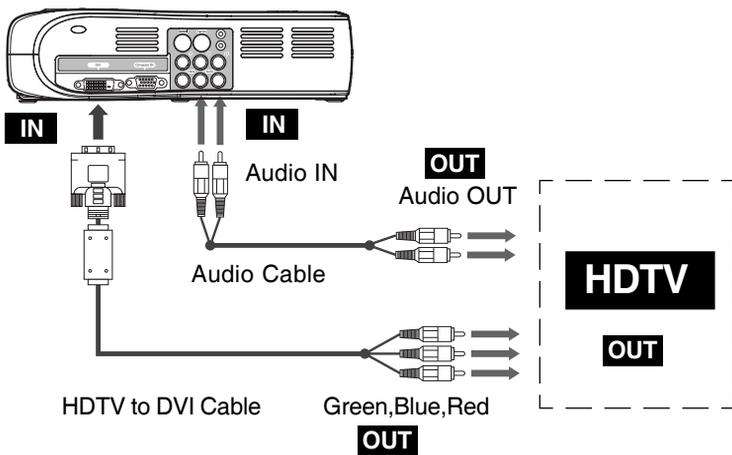
Monitor OUT cable (for data)



Connecting the Computer (data)



Connecting the HDTV (data)



Connecting to a Video Source (S-Video, Component, Composite)

