

Using LCD Projectors

Hitachi CP-X2510



Online Handouts

The image shows a screenshot of the webclass.org website. On the left is a dark green sidebar with a list of links. A red arrow points from a white box with red text to the 'LCD Projectors' link. The main content area has a yellow background and features the 'Webclass' logo, a search bar, and introductory text about online education. A list of services provided by Webclass.org is also visible.

http://webclass.org

Webclass
web-based tutorials

Google™ Custom Search Search

Education and training via the internet are growing rapidly. Accessibility from home or school makes Internet handouts a viable alternative to hardcopy handouts. The PDF format is accessible on both Windows and MAC platforms using [Adobe Reader](#), or the fast and simple open-source reader for Windows called [Sumatra](#).

Webclass.org provides:

- Workshop handouts available anytime, anywhere
- Web-based [Keyboarding](#) requiring no login
- Perpetual lesson plan [calendar](#)

After all, **Webclass.org** can be *anywhere you want it to be....*

Elementary Storytelling in iTunes

**LCD Projectors
Hitachi CP-X2510**

...d students
and audio tools are
m topics chosen by the
actment of historical or
while others use a
ngth is generally 2 to

Objectives

- **Laptop settings**

1. Connect laptop to projector
2. Display settings

- **Projector settings**

1. Initial setup
2. Adjusting keystone
3. Easy menu
4. Advanced menu
5. Shut down

Using LCD Projectors

**HP 6450 Laptop
Setup**

Laptop Projector Port



HP 6450b rear view

1. RJ-45 network cable for Internet
2. External VGA monitor – projector port
3. Power connector

Connect Projector

From
LCD
projector



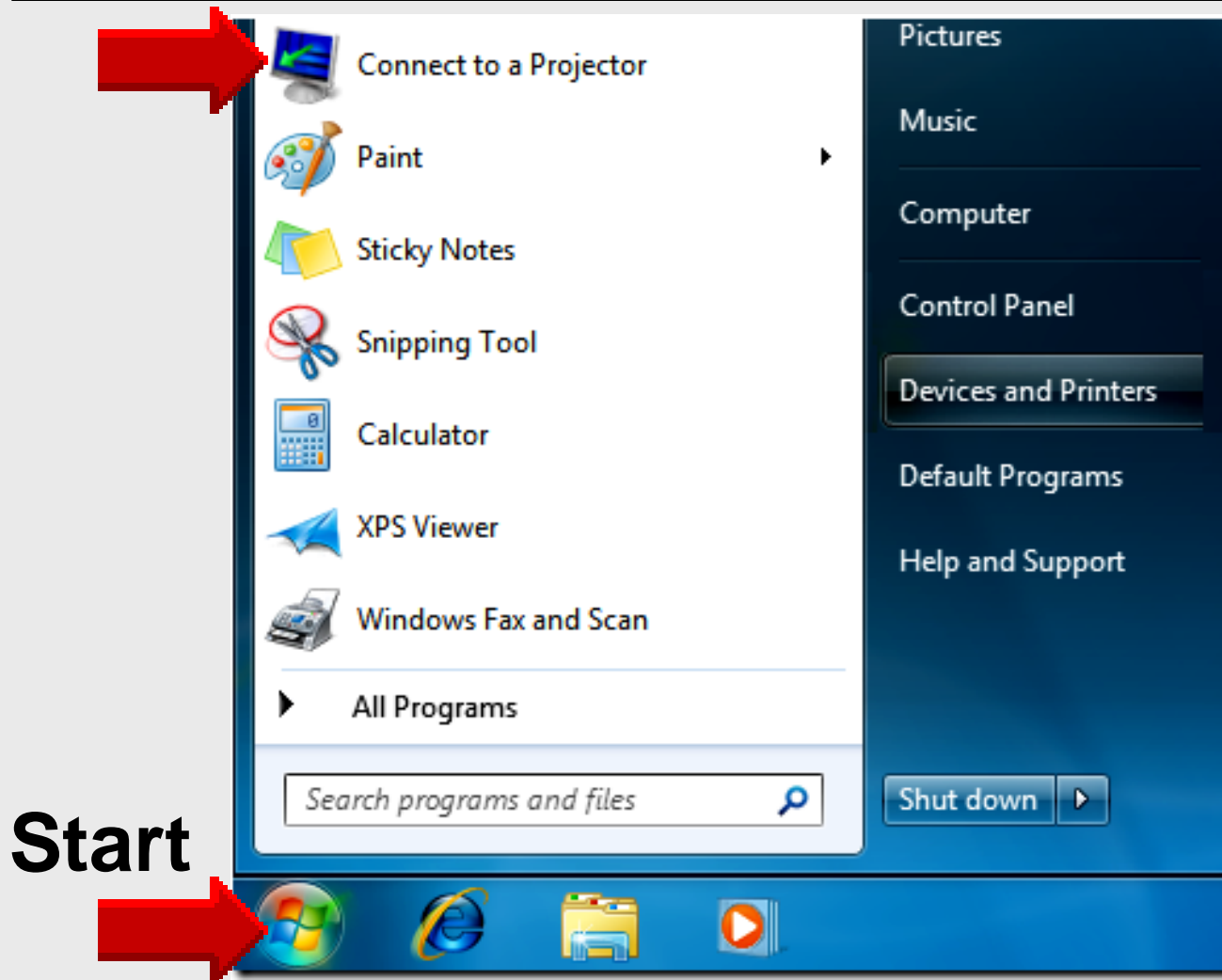
**Laptop
VGA port**
3 rows
5 pins per row

Connect *to* Projector

Press **Function + F4**

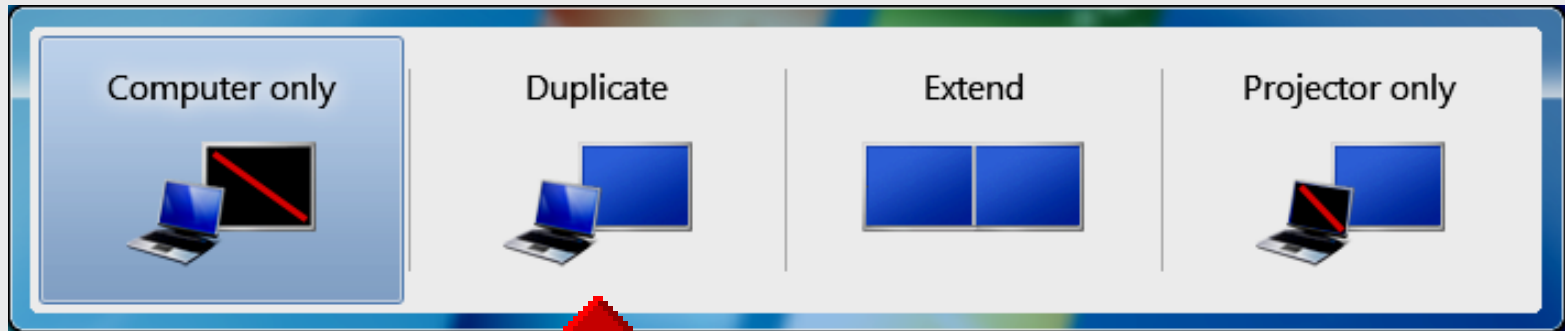
1. Laptop monitor only
2. Projector screen only
3. Monitor + projector screen

Connect *to* Projector



Start

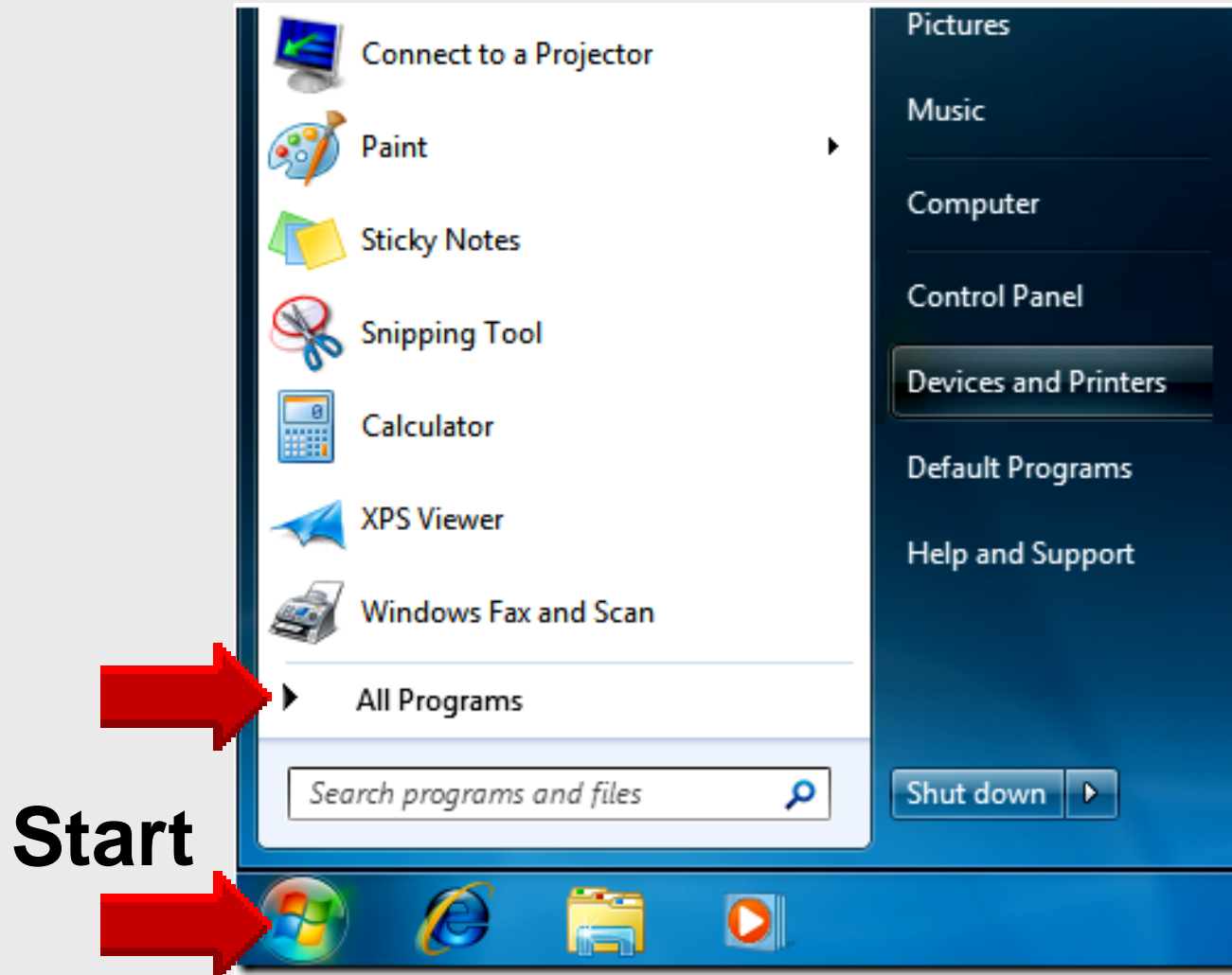
Connect *to* Projector



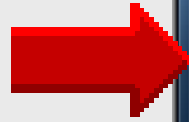
Menu also obtained by

- Pressing Function + F4
-  key + P

Find Connect *to* Projector

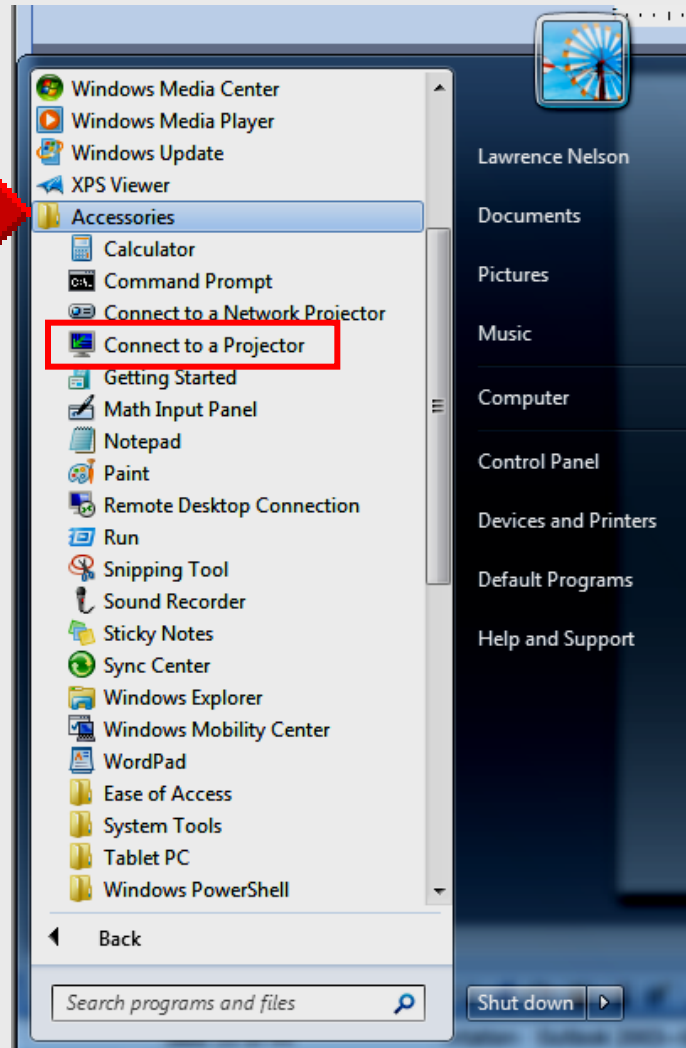


Find *Connect to* Projector



Left click
Accessories

Right-click
To pin to
Start Menu

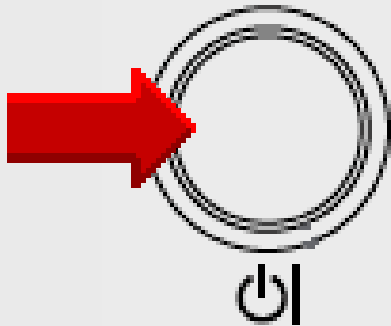


Using LCD Projectors

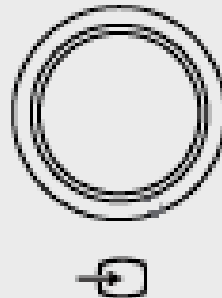
**Hitachi CP-X2510
Setup**

Power Up

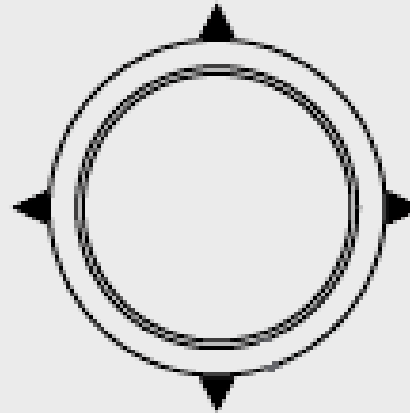
STANDBY/ON




INPUT

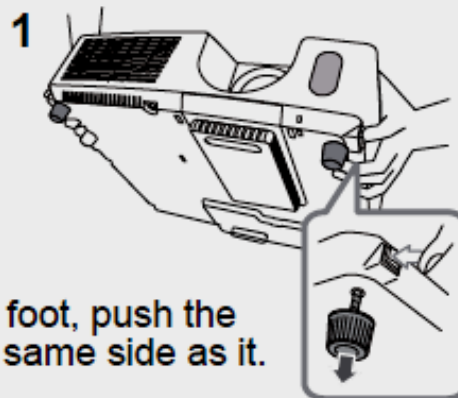
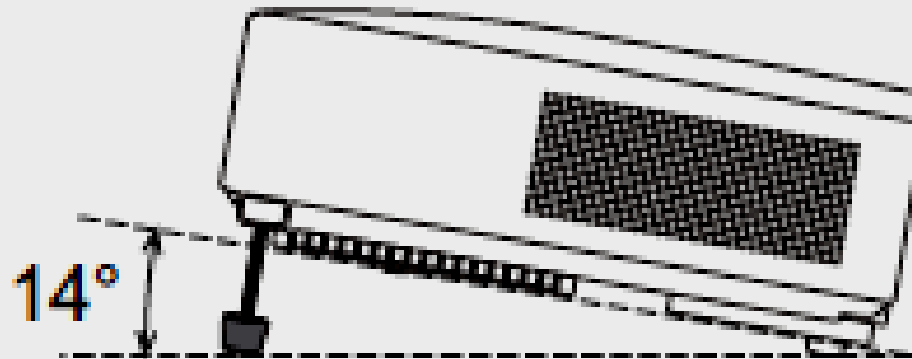


MENU

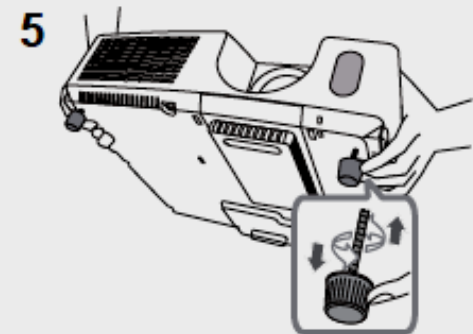


-  LAMP
-  TEMP
-  POWER

Adjusting Elevator



To loose an elevator foot, push the elevator button on the same side as it.



To finely adjust, twist the foot.

Monitor Video Input



Video from laptop or
desktop computer

Display Default



SVGA
800 x 600 PIXELS

XGA
1,024 x 768 PIXELS

Control Panel

Adjust your computer's settings

View by: **Large icons** ▾



Action Center



Administrative Tools



Adobe Gamma



AutoPlay



Backup and Restore



Color Management



Credential Manager



Date and Time



Default Programs



Desktop Gadgets



Device Manager



Devices and Printers



Display



Ease of Access Center



Folder Options



Fonts



Getting Started



HomeGroup



HP 3D DriveGuard



HP Power Assistant



HP Wireless Assistant



IDT Audio Control Panel



Indexing Options




Intel(R) Graphics and Media

Change Display Settings

Control Panel Home

Adjust resolution

Adjust brightness

 Calibrate color

Change display settings

Connect to a projector

Adjust ClearType text

Set custom text size (DPI)



Make it easier to read what's on your screen

You can change the size of text and other items on your screen by choosing one of these options. To temporarily enlarge just part of the screen, use the [Magnifier](#) tool.

Smaller - 100% (default) Preview _____

Medium - 125%



Change Display Settings

Change the appearance of your display



Display:

1. Mobile PC Display ▾

Resolution:

1366 × 768 (recommended) ▾


OR

1024 × 768 ▾

Orientation:

Landscape ▾

[Advanced settings](#)

[Connect to a projector](#) (or press the  key and tap P)

[Make text and other items larger or smaller](#)

[What display settings should I choose?](#)



OK

Cancel

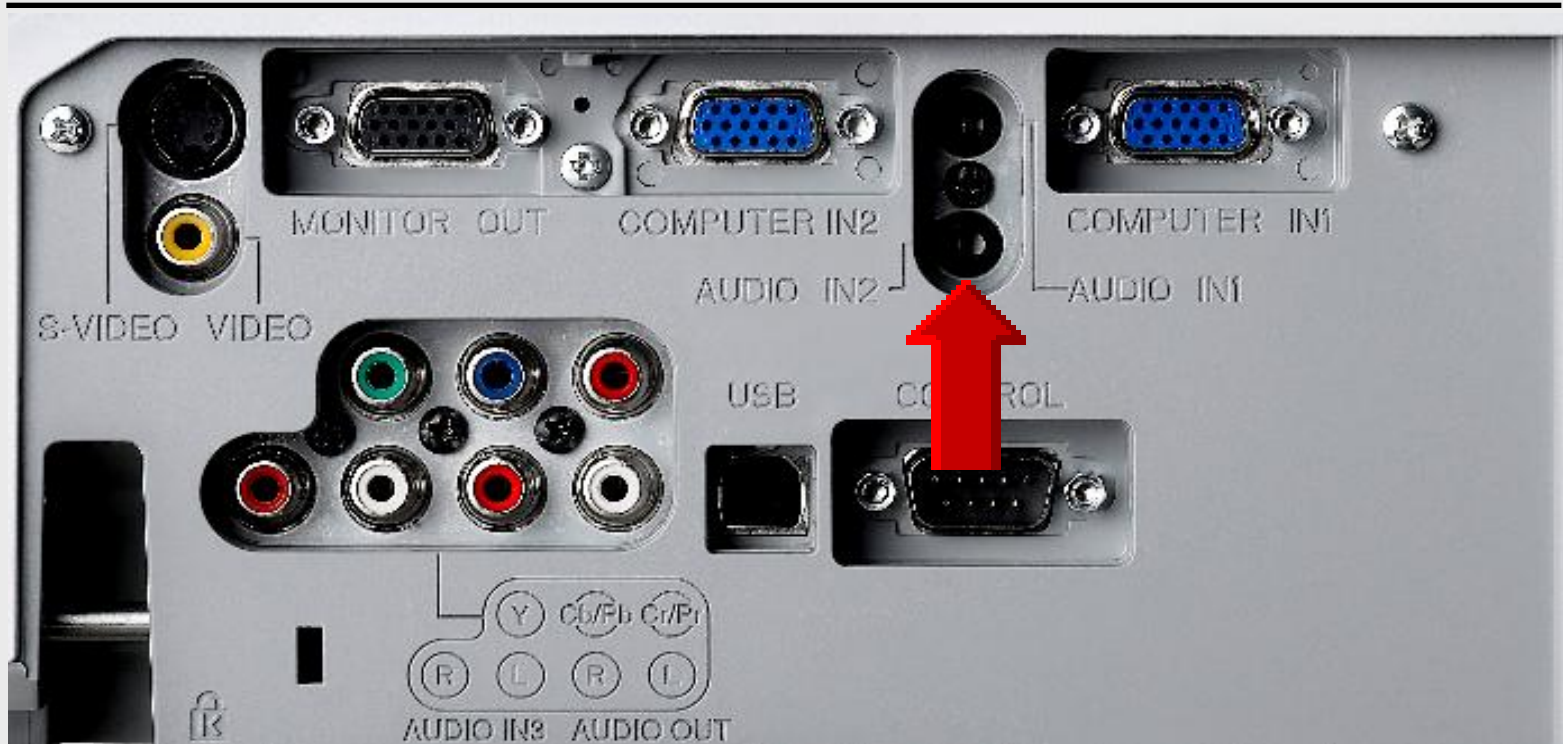
Apply

Composite Video Input



Video from DVD player
S-video is better quality

Audio Input



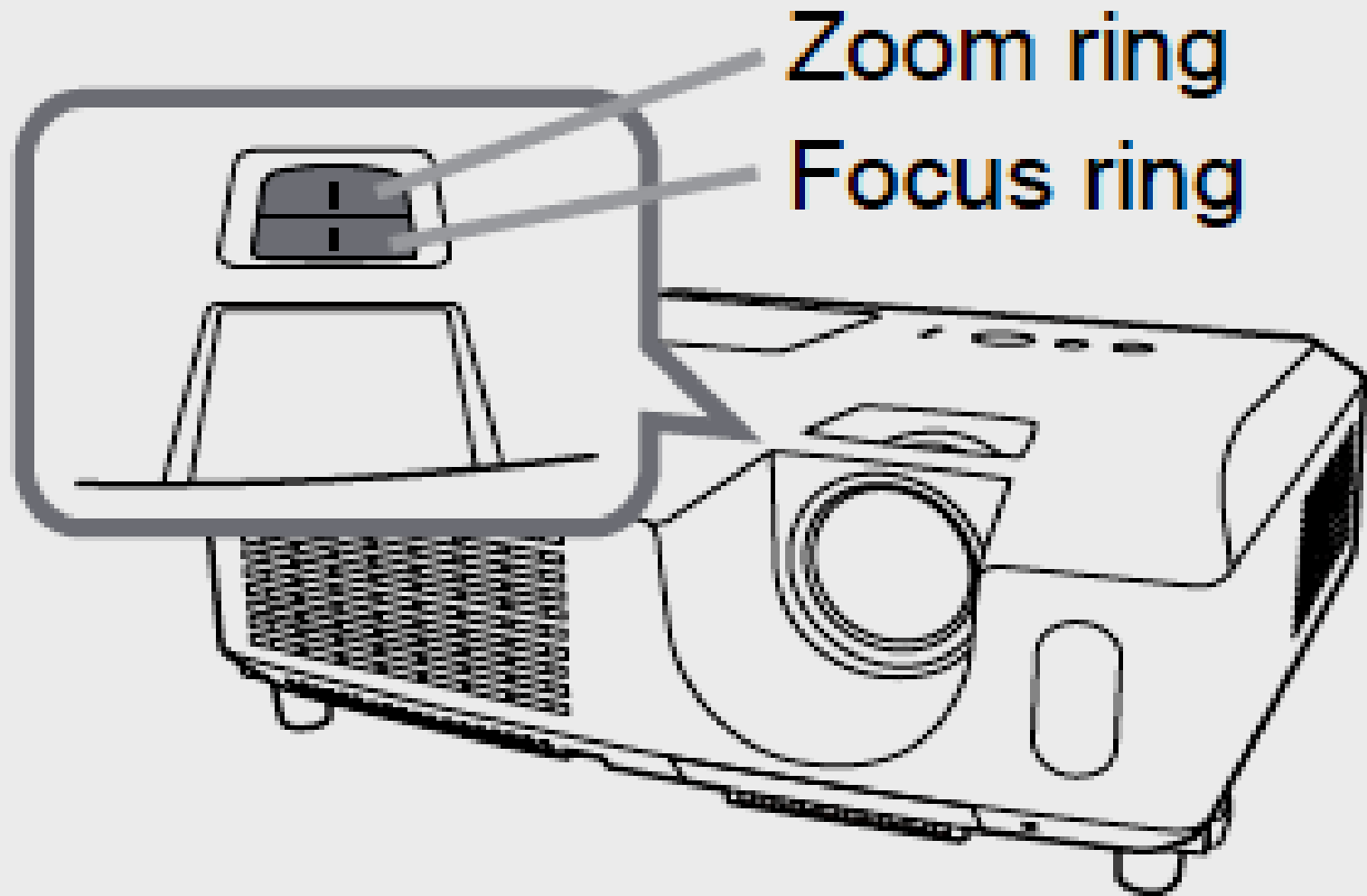
Use the built-in speaker

Audio Input



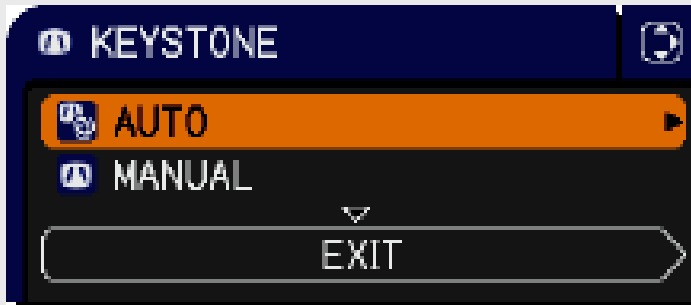
3.5mm stereo cable
from laptop headphone
to audio in on projector

Initial Setup



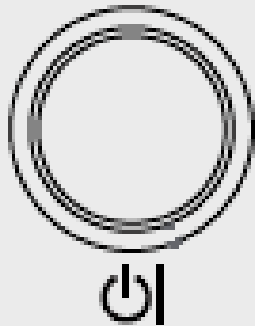
Keystone Adjust

- Keystone is adjust vertical orientation of left – right edges
- Keystone adjust is generally **automatic**
- Automatic may not work if projector angle is too steep vertically

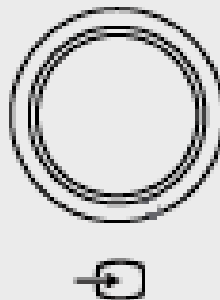


Menu Button

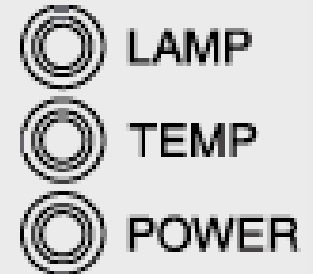
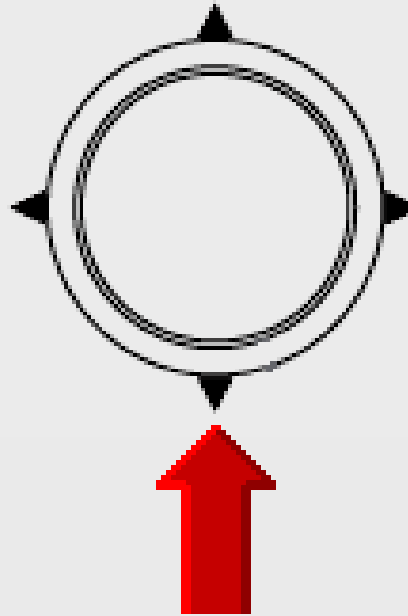
STANDBY/ON



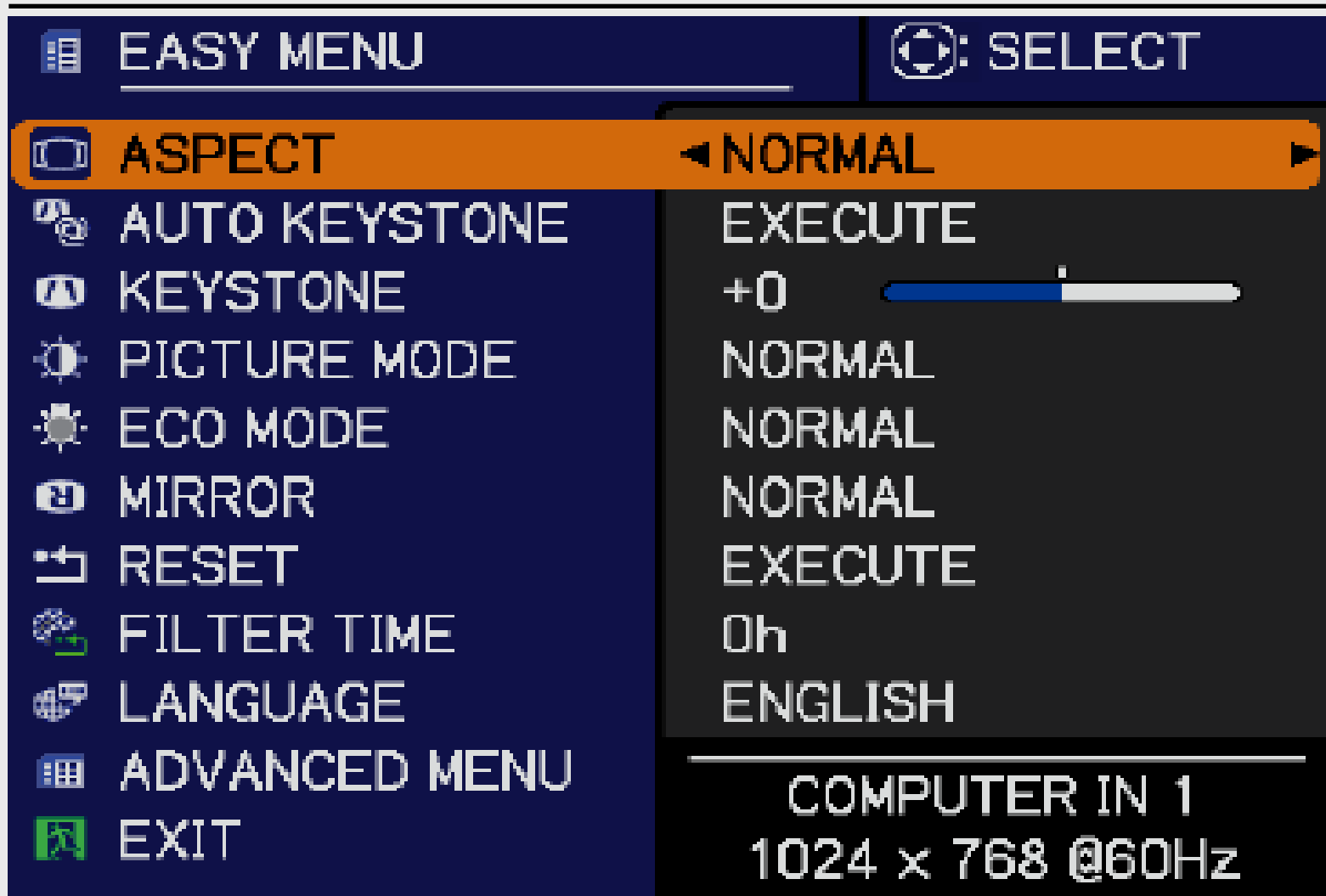
INPUT




MENU



Display Menus




Keystone



EASY MENU **SELECT**

ASPECT ◀ **NORMAL** ▶

AUTO KEYSTONE EXECUTE

KEYSTONE +0 

AUTO KEYSTONE EXECUTE	Using the ▶ button executes the auto keystone function. See the AUTO KEYSTONE EXECUTE item in SETUP menu
KEYSTONE	Using the ◀/▶ buttons corrects the vertical keystone distortion. See the KEYSTONE item in SETUP menu

Display Menus

The image shows a television's menu interface. At the top, there is a header bar with a list icon and the text "EASY MENU" on the left, and a directional pad icon with the text ": SELECT" on the right. Below this, a list of menu items is displayed on the left side, each with a small icon: ASPECT (TV icon), AUTO KEYSTONE (key icon), KEYSTONE (key icon), PICTURE MODE (sun icon), ECO MODE (sun icon), MIRROR (TV icon), RESET (arrow icon), FILTER TIME (filter icon), LANGUAGE (globe icon), ADVANCED MENU (list icon), and EXIT (power icon). The "ASPECT" item is highlighted with an orange bar. To the right of the "ASPECT" menu, a sub-menu is open, showing the current setting "NORMAL" with left and right arrowheads. Below "NORMAL" are the options "EXECUTE", "+0" (with a blue progress bar), "NORMAL", "NORMAL", "NORMAL", "EXECUTE", "0h", and "ENGLISH". At the bottom of the screen, a white horizontal line separates the menu from the status information: "COMPUTER IN 1" and "1024 x 768 @60Hz". A red arrow points to the "ADVANCED MENU" option in the left-hand menu.

Display Menus

The screenshot shows a TV's display menu with the following structure:

- ADVANCED MENU (top bar)
- SELECT (top bar)
- PICTURE (highlighted sub-menu)
- IMAGE
- INPUT
- SETUP
- AUDIO
- SCREEN
- OPTION
- SECURITY
- EASY MENU
- EXIT

The 'PICTURE' sub-menu contains the following settings:

BRIGHTNESS	+0
CONTRAST	+0
GAMMA	DEFAULT-1
COLOR TEMP	MID
COLOR	+0
TINT	+0
SHARPNESS	4
MY MEMORY	

At the bottom of the screen, the text reads: COMPUTER IN 1 1024 x 768 @60Hz

Input Menu

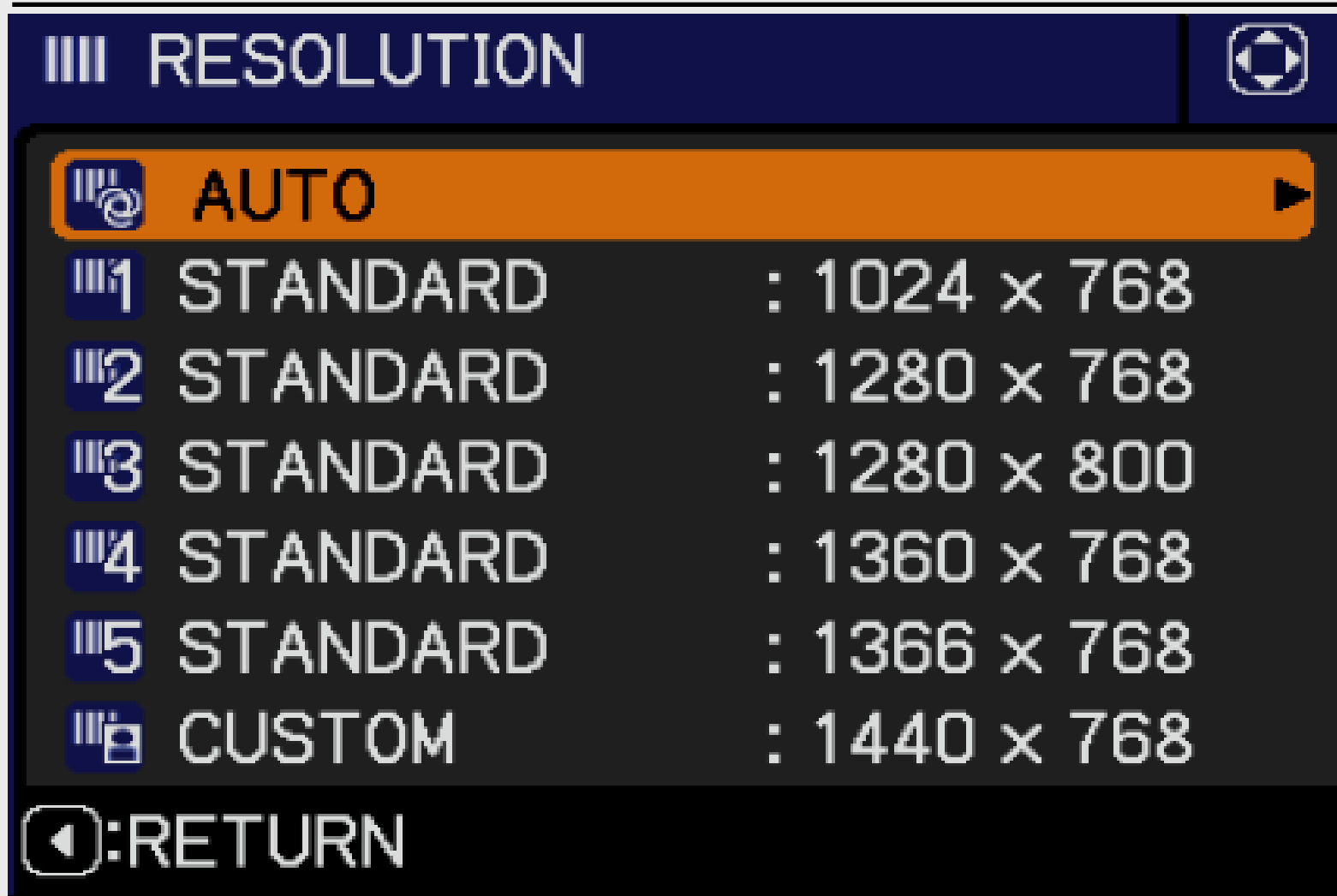
ADVANCED MENU ⏪: SELECT

- PICTURE
- IMAGE
- INPUT**
- SETUP
- AUDIO
- SCREEN
- OPTION
- SECURITY
- EASY MENU
- EXIT

PROGRESSIVE TV
VIDEO NR MID
COLOR SPACE AUTO
COMPONENT COMPONENT
VIDEO FORMAT
COMPUTER IN
FRAME LOCK
RESOLUTION

COMPUTER IN 1 1024 x 768 @60Hz

Resolution



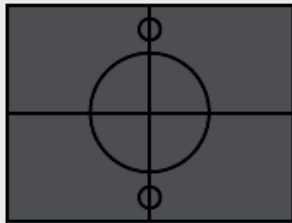
Resolution menu showing options and their dimensions:

Option	Resolution
AUTO	
1 STANDARD	1024 x 768
2 STANDARD	1280 x 768
3 STANDARD	1280 x 800
4 STANDARD	1360 x 768
5 STANDARD	1366 x 768
CUSTOM	1440 x 768

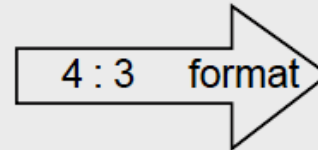
Navigation: ◀:RETURN

Resolution

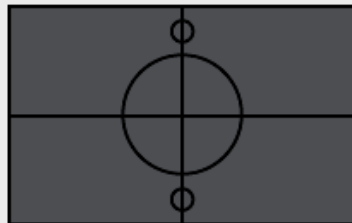
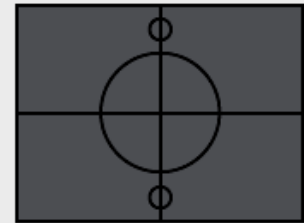
Input Signal



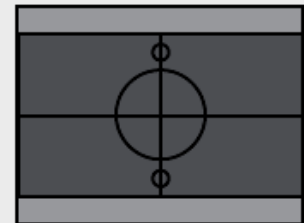
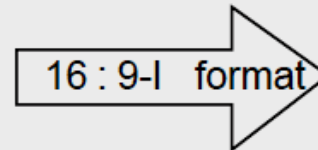
4:3



Display on Screen



16:9



Setup

ADVANCED MENU SELECT

- PICTURE
- IMAGE
- INPUT
- SETUP**
- AUDIO
- SCREEN
- OPTION
- SECURITY
- EASY MENU
- EXIT


AUTO KEYSTONE	EXECUTE	
KEYSTONE	+0	
ECO MODE	NORMAL	
MIRROR	NORMAL	
STANDBY MODE	NORMAL	
MONITOR OUT		

COMPUTER IN 1 1024 x 768 @60Hz

Audio



The image shows a television's advanced menu interface. The main menu on the left includes options like PICTURE, IMAGE, INPUT, SETUP, AUDIO, SCREEN, OPTION, SECURITY, EASY MENU, and EXIT. The 'AUDIO' option is highlighted in orange. A secondary menu is open to the right, showing 'VOLUME' at 28, 'SPEAKER' set to ON, and 'AUDIO SOURCE'. A red arrow points to the 'SPEAKER' option. Below the arrow, the text 'Use the built-in speaker' is displayed in yellow. At the top right of the menu, there is a 'SELECT' button icon. At the bottom, the status bar shows 'COMPUTER IN 1' and '1024 x 768 @60Hz'.

ADVANCED MENU  SELECT


- PICTURE
- IMAGE
- INPUT
- SETUP
- AUDIO**
- SCREEN
- OPTION
- SECURITY
- EASY MENU
- EXIT

VOLUME 28
SPEAKER ON
AUDIO SOURCE

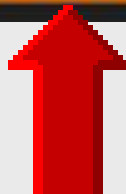
Use the built-in speaker

COMPUTER IN 1 1024 x 768 @60Hz

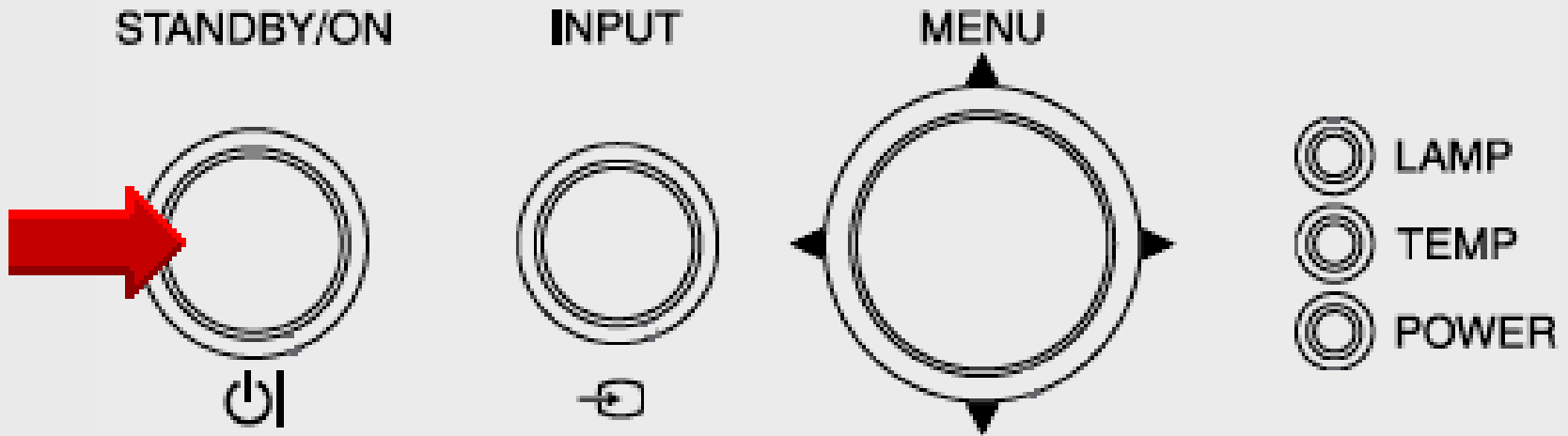
Audio Source

	1	2	3	
COMPUTER IN 1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
COMPUTER IN 2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
COMPONENT	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
S-VIDEO	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
VIDEO	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
AUDIO OUT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
STANDBY				

RETURN **EXIT**



Power Down



Press **Standby** **twice**
Turns off in 90 seconds

Online Handouts

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