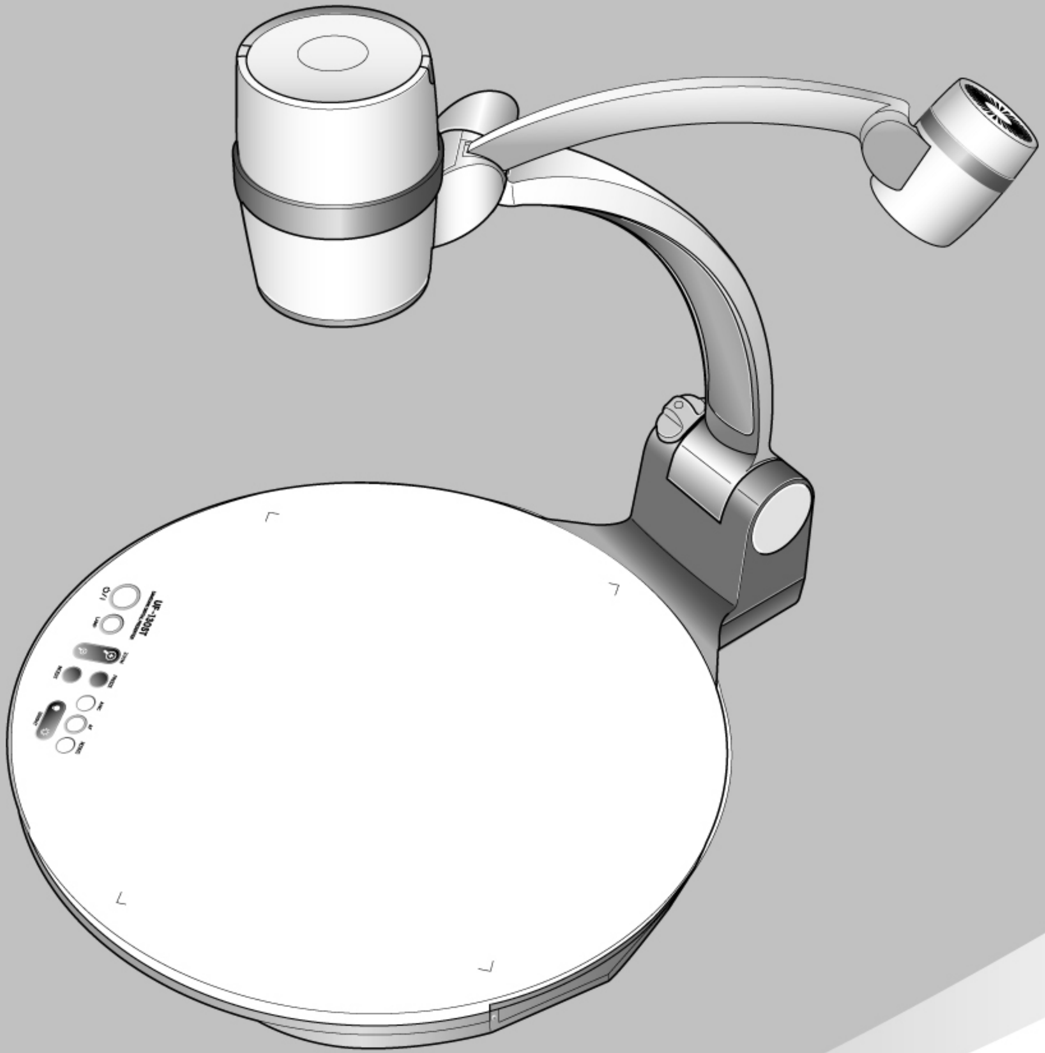
SAMSUNG

ENGLISH



HIGH RESOLUTION DIGITAL PRESENTER

USER'S MANUAL

UF-130ST

Before attempting to operate this product, Please read the instructions carefully.
www.samsungpresenter.com

Special Features

- Thank you for purchasing this product.
  This product is a high resolution digital document camera that can display a variety of materials to any display device that supports VGA or DVI inputs.

1.3 Mega pixel digital camera with 14X optical zoom and new generations of DSP chipsets deliver highest image quality and resolutions.

The UF-130ST camera design now includes a 1.32 megapixel Progressive Scan CCD plus updated DSP chipset to provide the ultimate in image quality at HD resolution 720P at 30FPS (frames per second) plus selectable standard SXGA and XGA outputs.

Innovative LED illumination

A newly designed flexible light arm incorporating both LED + Optics provides even illumination with no glare for unparalleled display of any subject matter.

Can control USB 2.0 and RS-232C

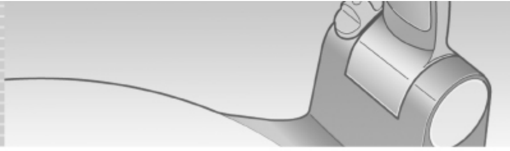
Especially by using USB, it is possible to view or store the real time image in a PC and control the function in a moment. Also it is possible to control the functions by using RS-232C port.

DVI port imbedded

By adopting DVI(Digital Video Interactive) output port UF-130ST presents vivid and noise-less images.

Remote controller is a standard feature

Remote controller is supplied as a standard feature for the product so that it can be manipulated from a distance. Thus it is very convenient during a conference.



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Safety precautions

Follow these safety instructions when setting up and using your Digital Presenter:

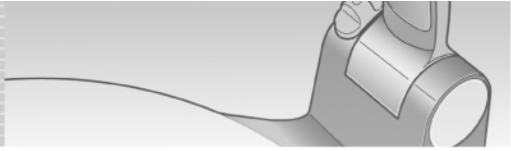
1. Do not place the presenter on an unstable cart, stand, or table.
2. Do not use the presenter near water or sources of heat.
3. Use the type of power source indicated on the presenter. If you are not sure of the power available, consult your dealer or power company.
4. Place the presenter near a wall outlet where the plug can be easily unplugged.
5. Take the following precautions for the plug. Failure to comply with these precautions could result in sparks or fire:
   Do not insert the plug into an outlet with dust present. Insert the plug firmly into the outlet.
6. Do not overload wall outlets, extension cords, or integral convenience receptacles. This can cause fire or electric shock.
7. Do not place the presenter where the cord can be walked on. It may result in fraying or damage to the plug.
8. Unplug the presenter from the wall outlet before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
9. Do not block the slots and openings in the presenter case. They provide ventilation and prevent the presenter from overheating. Do not put the presenter on a sofa, rug, or other soft surface or in a built-in installation, unless proper ventilation is provided.
10. Never push objects of any kind through cabinet slots. Never spill liquid of any kind into the presenter.
11. Except as specifically explained in this User's Manual, do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
12. Unplug the presenter during lightning storms or when it will not be used for extended periods.
13. Do not place the presenter and remote controller on top of heat-producing equipment or in a heated place, such as a car.
14. Unplug the presenter from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - When the power cord or plug is damaged or frayed.
    - If liquid has been spilled into the presenter, or it has been exposed to rain or water.
    - If it does not operate normally when you follow the operating instructions, or if it exhibits a distinct change in performance, indicating a need for service.
    - If it has been dropped or the case has been damaged.
15. This equipment is indoor use only.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION

Random replacement of built-in battery by other types of batteries may cause explosion. The battery shall be replaced by the same battery. The used batteries shall be disposed carefully because they can cause environment pollutions.



Safety precautions

Eco RoHS compliant

Samsung Techwin cares for the environment at all product manufacturing stages to preserve the environment, and is taking a number of steps to provide customers with more environment-friendly products. The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Correct Disposal of this product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems.)

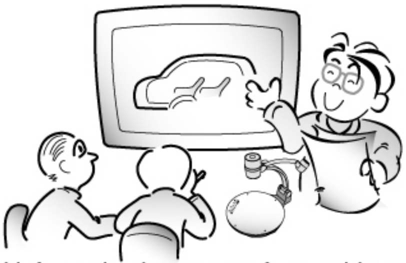
This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial wastes for disposal.

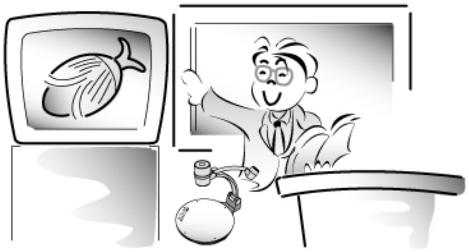
Uses of digital presenter

Conference



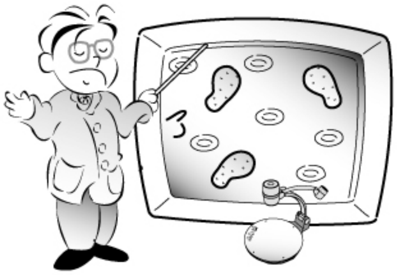
Detailed information in a report, form, table, etc. as well as a three dimensional object, such as a model, can be projected on a screen clearly that all the participants can focus on the same topic during a conference. Thus it is very helpful for an effective progress of a conference.

Education



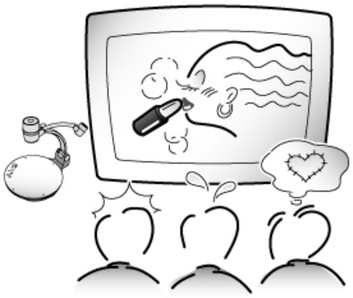
It can be used as an audiovisual tool for printed materials, such as text books, as well as audiovisual materials, educational materials, and especially for students' art works.

Medicine and science areas



It is possible to present various visual data including slides and X-ray film etc. at a medical conference or a doctors' association in the order of file.

Advertisement and design areas



It is useful in design area where visualization is necessary. It is possible to project catalogs and slides, thus the effect of a job can be checked easily.

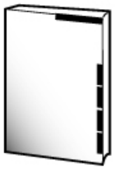
Demonstration or exhibition

By connecting to a large projector, it can produce dynamic images at a new product demonstration, an exhibition, or an event.

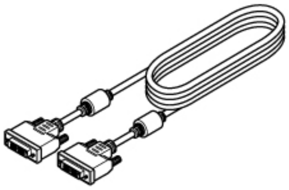
Supplied accessories

■ When you unpack your Digital Presenter, make sure that you have all these components.

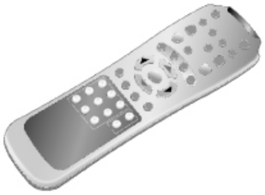
User's Manual



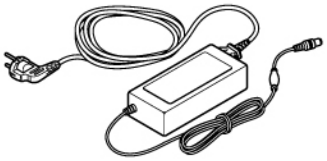
DVI cable



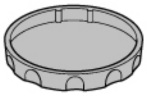
Remote control



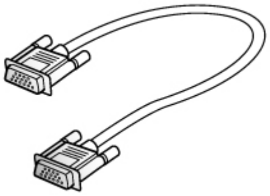
Adapter



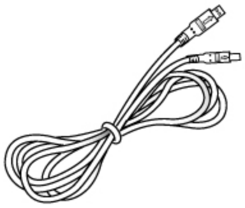
Lens cap



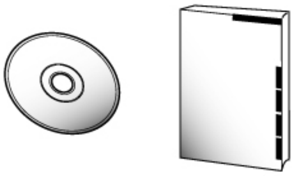
VGA cable



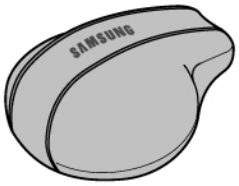
USB cable



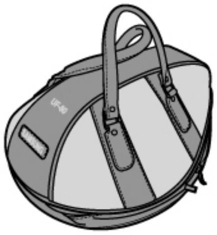
UF-130ST program



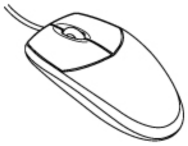
Dust cover



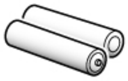
Carrying bag



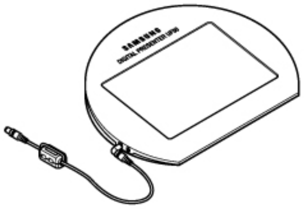
USB Mouse



etc.

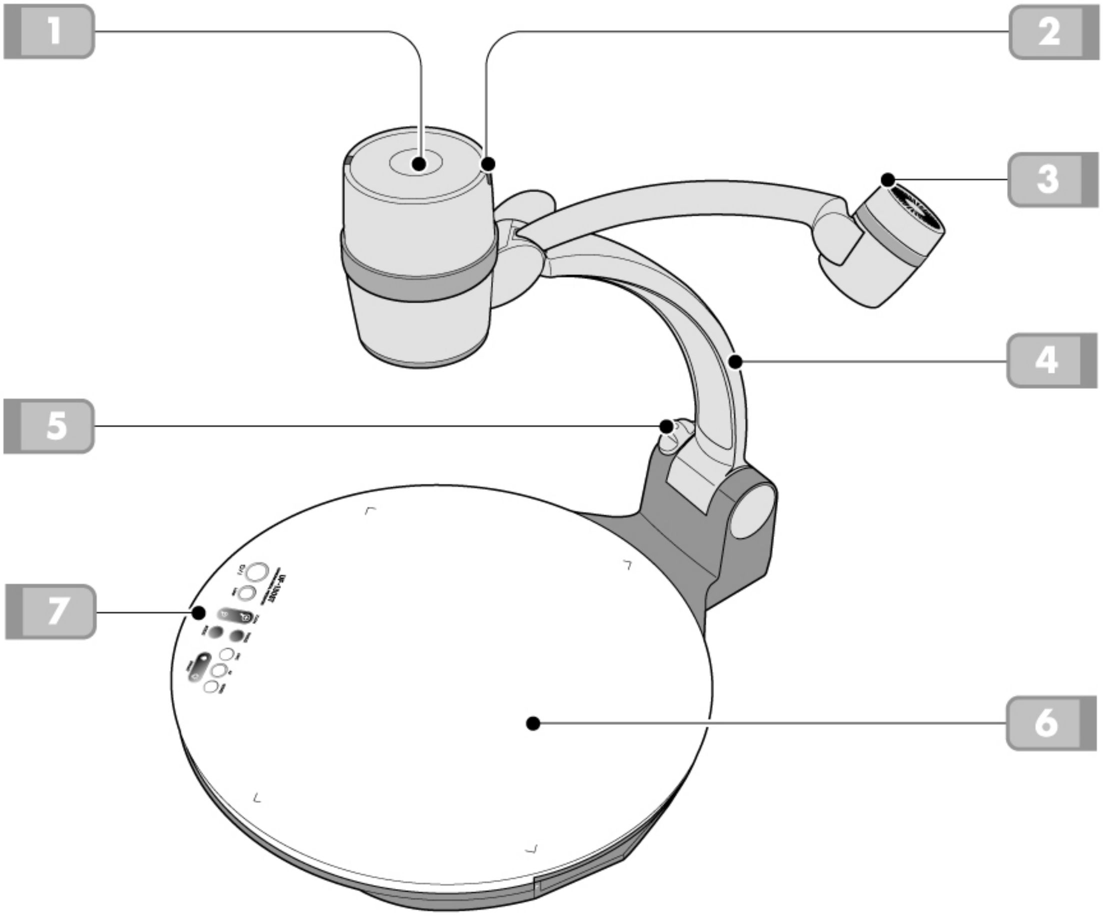


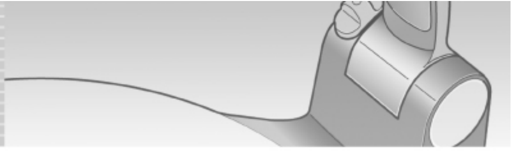
Option



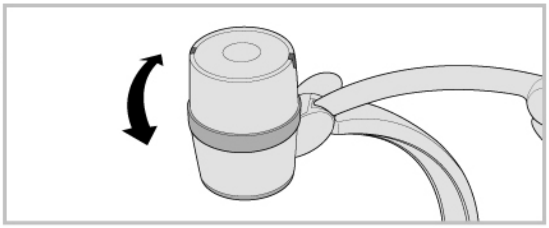
Name and function of each part

Front side





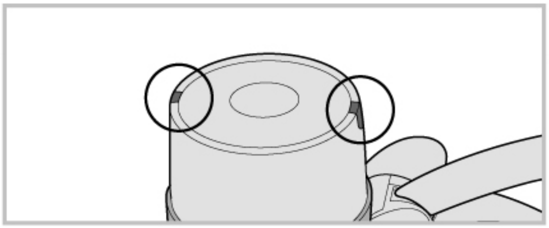
1



Lens

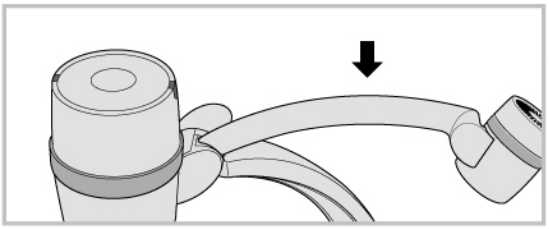
Can rotate to the front and back.

2



IR Sensor

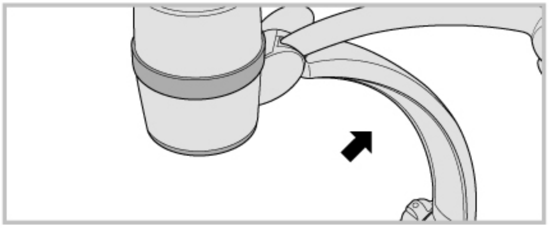
3



Lamp unit

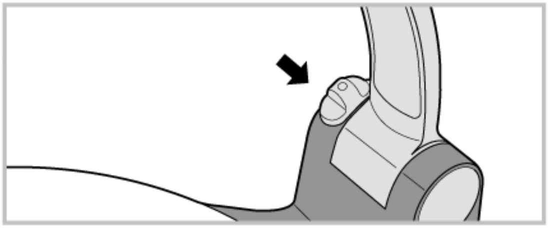
(Upper lamp)

4



Main support

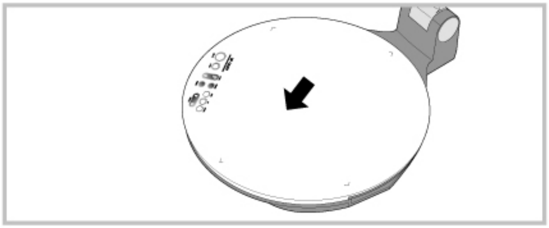
5



Main lock button

Press to raise and lower the main support arm.

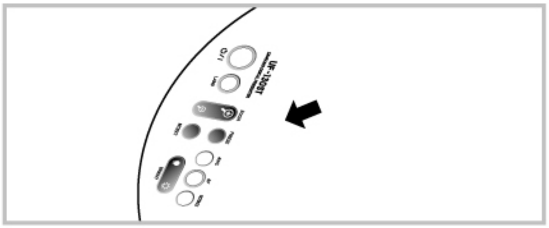
6



Document Stage

A4 document guides (indents) are provided on the stage.
(A4 Lightbox is Optional)

7

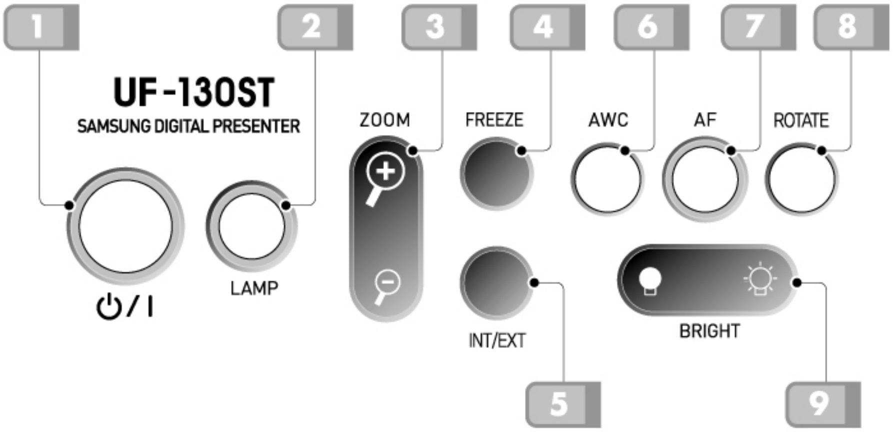


Main control panel

Name and function of each part

Main control panel

■ The buttons on the main control panel can also be found on the remote control. These buttons perform the same functions.


1
2
3
4
6
7
8
UF-130ST
SAMSUNG DIGITAL PRESENTER
ZOOM
FREEZE
AWC
AF
ROTATE
⏻/ I
LAMP
INT/EXT
BRIGHT
5
9

1 POWER
Press and hold for 3 seconds to turn off power.

2 LAMP
Use this to turn the upper lamp on or off.

3 ZOOM
Use this to control the size of an object projected on the screen.

4 FREEZE
Press once to Freeze an image, Press again to release.

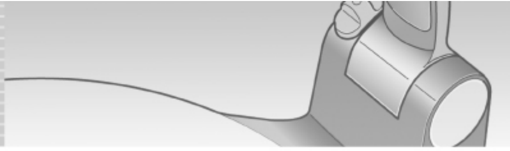
5 INT/EXT
Allows to choose the signal inputs to be displayed.

6 AWC
Press to activate the auto white balance feature.

7 AF
Press to activate the autofocus manually.

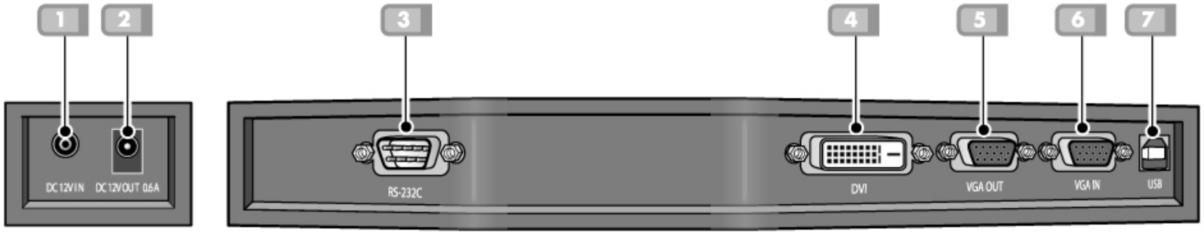
8 ROTATE
Use this to rotate the image by 90°, 180°, 270°, 0°.

9 BRIGHT
Use this to control the brightness of the image.



Name and function of each part

Terminals at the back



1 POWER INPUT TERMINAL

Use this to connect the power cable. (DC12V)

2 LIGHTBOX POWER OUTPUT TERMINAL

When Lightbox is used you can connect the Lightbox cable to the INPUT terminal located next to the switch of the Lightbox.
DC 12V OUT, 0.6A

3 RS-232C: COMPUTER CONNECTION TERMINAL

Use this to connect RS-232C cable.

4 DVI OUTPUT

Connect this to the monitor or projector by DVI port.

5 VGA VIDEO OUTPUT

Connect this to the RGB input terminal of a PC monitor or a projector by supplied PC cable.

6 VGA VIDEO INPUT

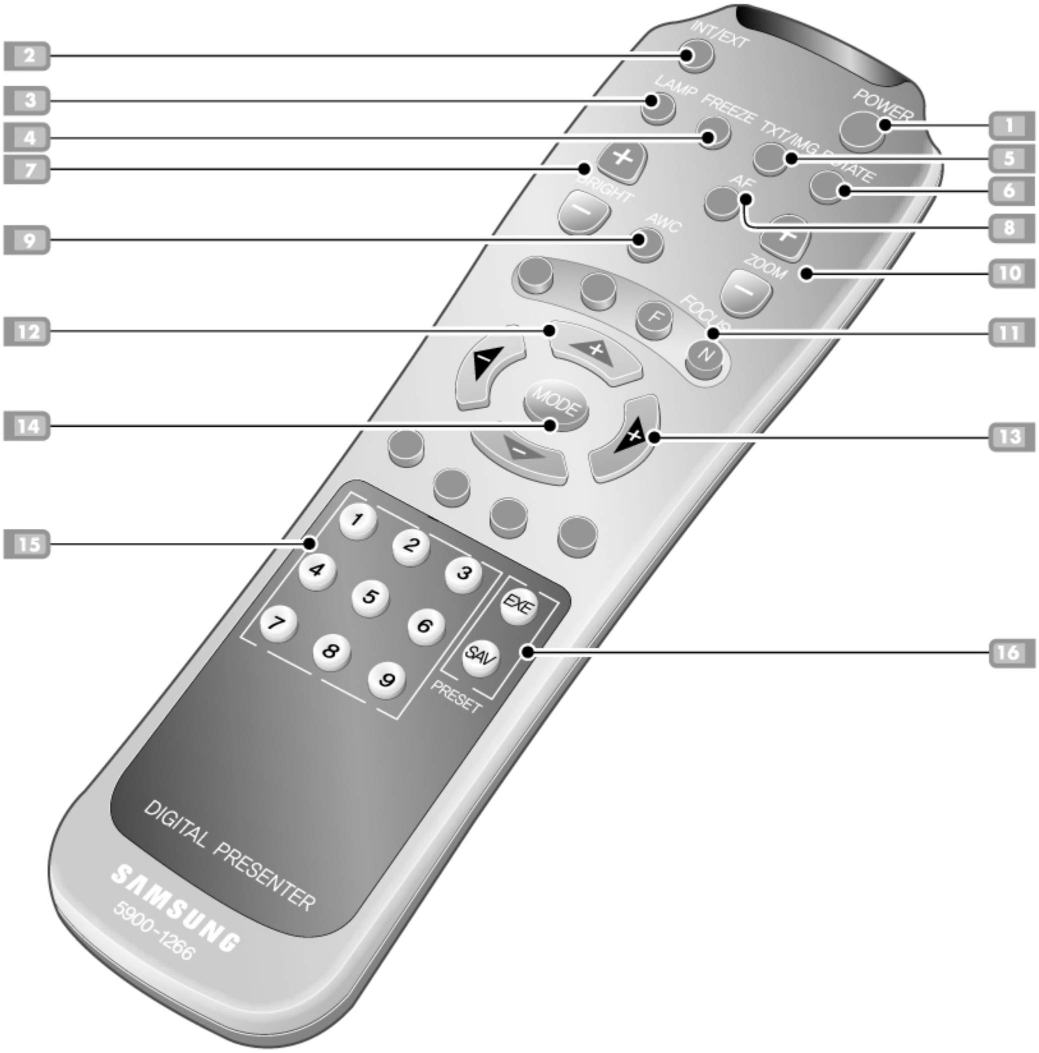
Connect this to the VGA output terminal of another device by supplied PC cable.
When external input menu is selected, the image is shown through the VGA input terminal.

7 USB: COMPUTER CONNECTION TERMINAL

Use this to connect USB cable when transmitting image to a PC by USB port.

Name and function of each part

Remote Control Features & Functions


2
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6
8
10
11
13
16
INT/EXT
LAMP
FREEZE
TXT/IMG
ROTATE
POWER
BRIGHT
AF
AWC
ZOOM
FOCUS
F
N
MODE
1
2
3
4
5
6
7
8
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EXE
SAV
PRESET
DIGITAL PRESENTER
SAMSUNG
5900-1266

1 ***POWER***
Turns power on or off.

2 ***INT/EXT***
Allows to choose the signal inputs to be displayed.

3 ***LAMP***
Turns the upper lamp on or off.

4 ***FREEZE***
Keeps the current image on the screen.

5 ***TXT/IMG***
Controls the sharpness of the output image.
Switches for TEXT mode or IMAGE mode.

6 ***ROTATE***
Use this to rotate the image by 90°, 180°, 270°, 0°.

7 ***BRIGHT + / BRIGHT -***
- Increases the brightness.
- Decreases the brightness.

8 ***AF***
Use this to adjust the focus automatically.

9 ***AWC***
Adjusts color automatically.

10 ***ZOOM***
Reduces or enlarges the image size on the screen.

11 ***FOCUS***
Allows to focus on an object.
F: Used to focus on an object which is in the far distance.
N: Used to focus on an object being close.

12 ***RED***
Adjusts the red color.

13 ***BLUE***
Adjusts the blue color.

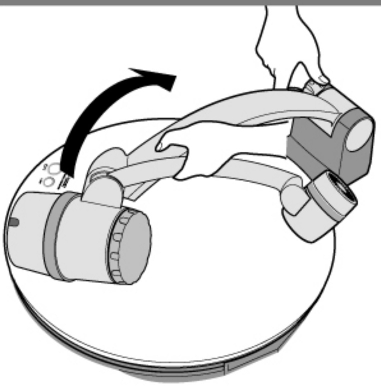
14 ***MODE***
Change the resolution mode.
(1280x960/1024x768/1280x720)

15 ***NUMBER KEY***
Run preset (Num1. ~ Num4.)

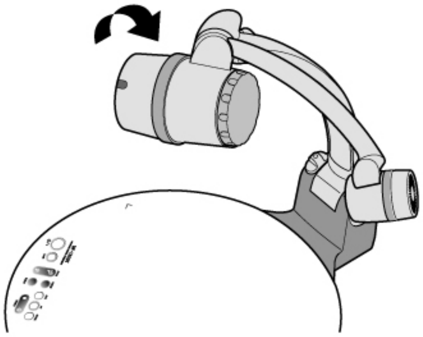
16 ***PRESET***
Allow to save the customized user setting values or to activate the preset user setting.

Setup

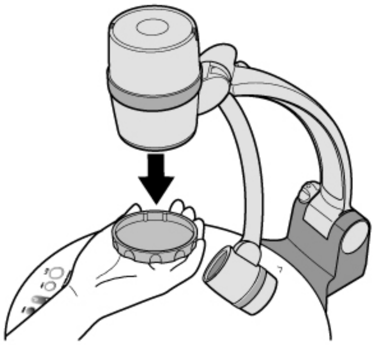
1 Press the main lock button and raise the main support.



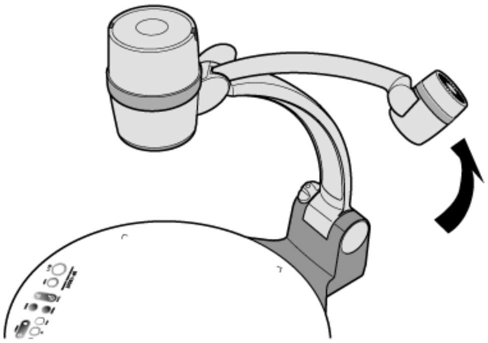
2 Turn the lens area to face downward.



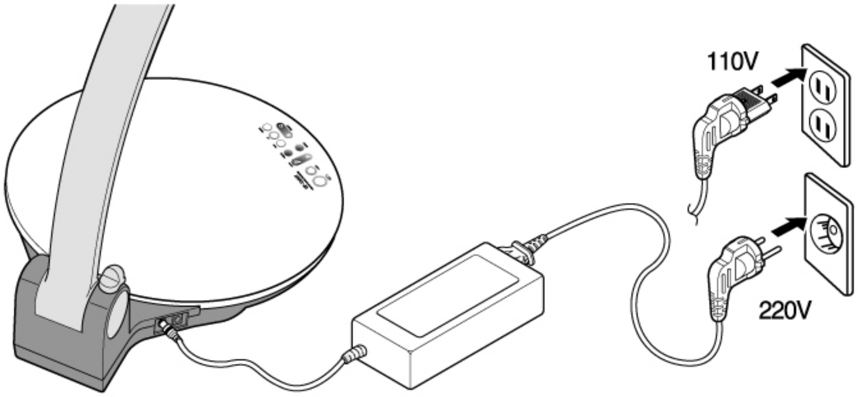
3 Remove the lens cap.



4 Unfold the lamp unit.

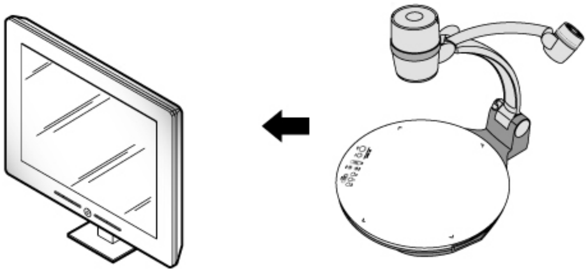


5 Put the plug into the outlet.



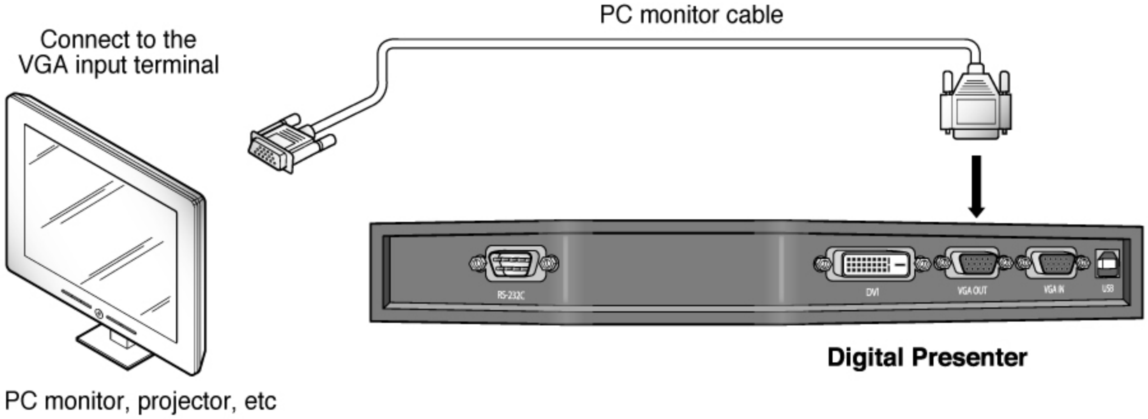
Connecting to output device

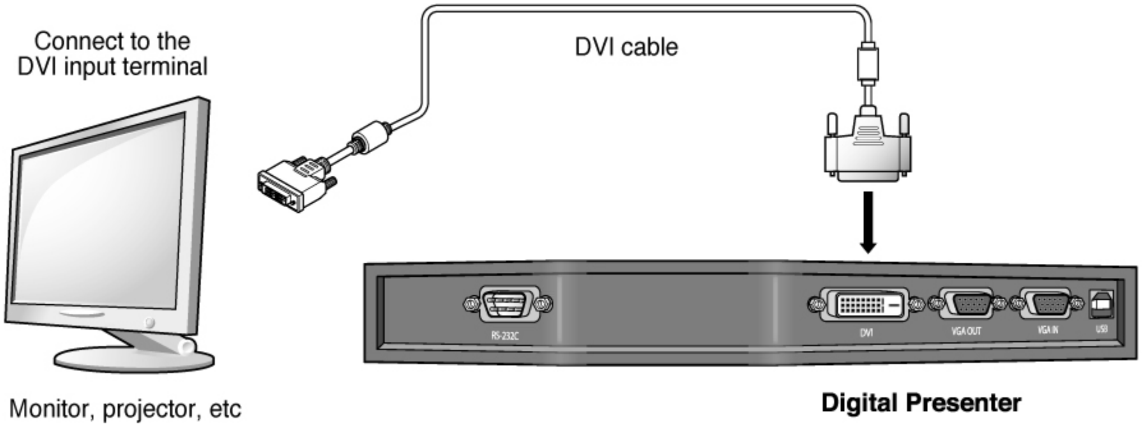
PC Monitor, Projector or DVI supporting device



■ Connect PC monitor, Projector and DVI supporting devices (Monitor or Projector)to this presenter to display the projected images using the PC monitor cable or DVI cable. Connect to the DVI input terminal.

Connection


PC monitor cable
Connect to the
VGA input terminal
RS-232C
DVI
VGA OUT
VGA IN
USB
Digital Presenter
PC monitor, projector, etc

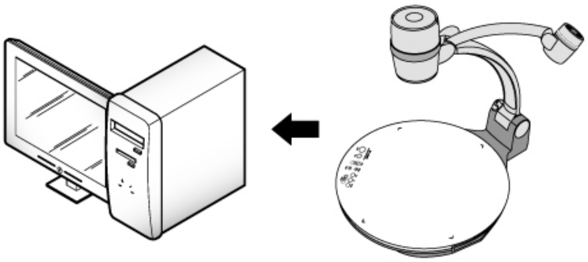

Connect to the
DVI input terminal
DVI cable
RS-232C
DVI
VGA OUT
VGA IN
USB
Digital Presenter
Monitor, projector, etc

NOTE

Since the UF-130ST supports Dual output displays, both the DVI and VGA outputs can be connected to multiple displays.

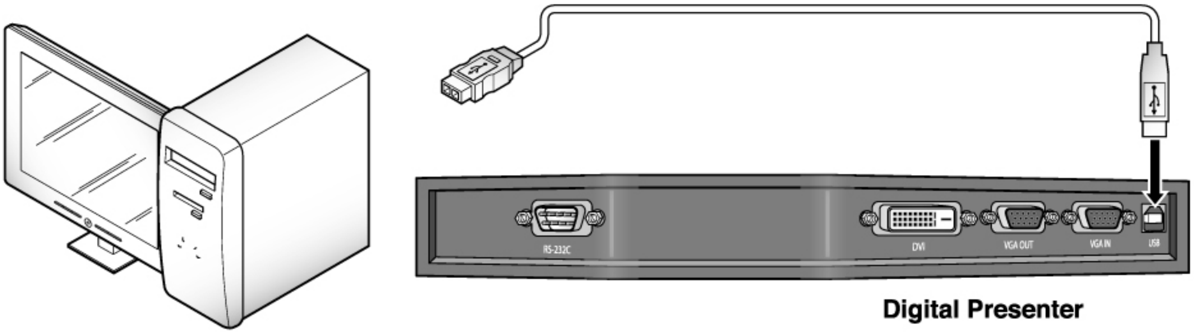
Connecting to output device

Desktop computer



- Connect a desktop PC and the presenter using USB cable and install the supplied program. You can see the projected image on the PC monitor and control the image using the program.
- RS-232C connection is available for advanced user. If you connect a PC with RS-232C cable, you should set up your PC and make your own program to control the projected image on PC. Ask your dealer for further details.

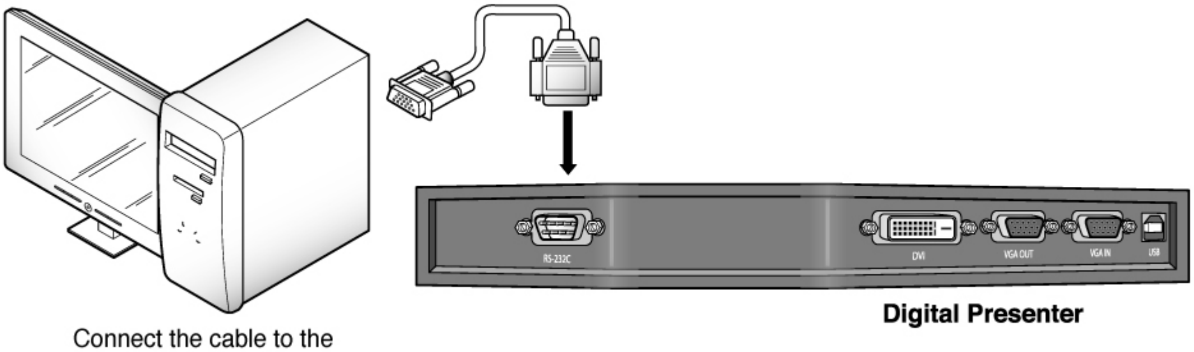
USB connection



Connect to the USB port on your PC, then install the supplied UF-130ST program.

CAUTION *We recommend you to connect to USB port which is attached on computer main board. (It can make troubles in extended front-side USB port or USB hub without power in accordance with computers.) Be sure to use the USB cable shorter than 4.0 m.*

RS-232C connection

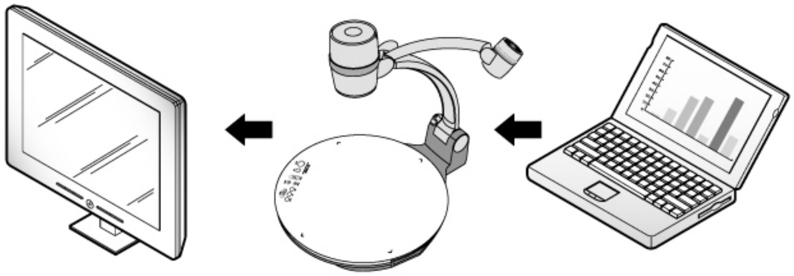


Connect the cable to the RS-232C terminal on your PC.

NOTE *RS-232C cable is not provided with the presenter. You can obtain one from your computer dealer.*

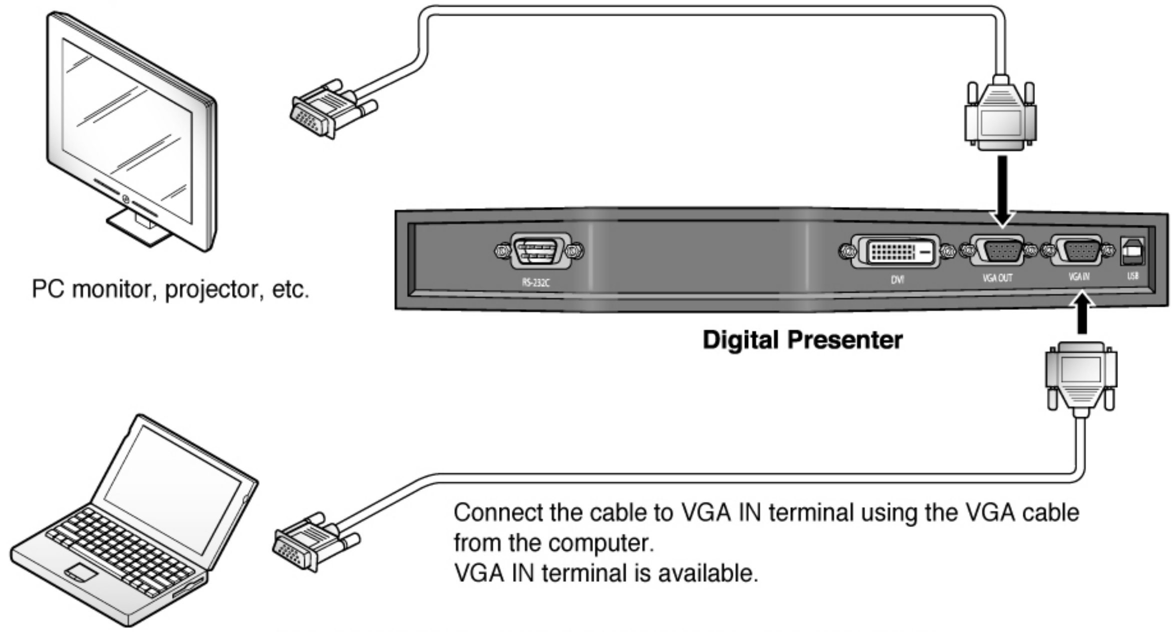
Connecting to output device

Connection Computer



- If you connect computer through VGA IN port, you can receive video signal from the computer.

Connection



Connect the cable to the VGA input terminal

PC monitor, projector, etc.

Digital Presenter

Connect the cable to VGA IN terminal using the VGA cable from the computer.
VGA IN terminal is available.

Connect the cable to VGA port on the computer equipped with XGA, SXGA, UXGA graphic card.

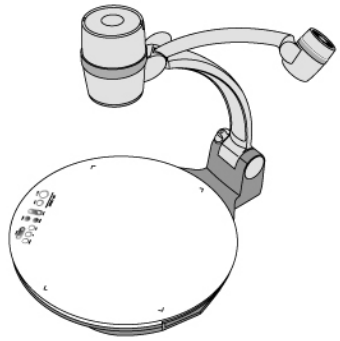
NOTE *Bypass : When you Power off the presenter, you can receive video signal from the VGA IN port.*

Using the presenter

To show the image received from external device

1

Set up your digital presenter properly.
(See page 14.)

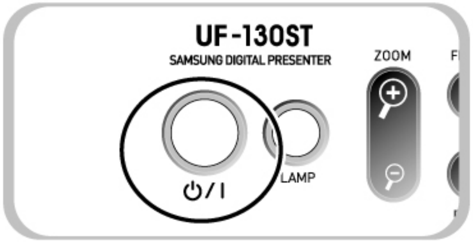


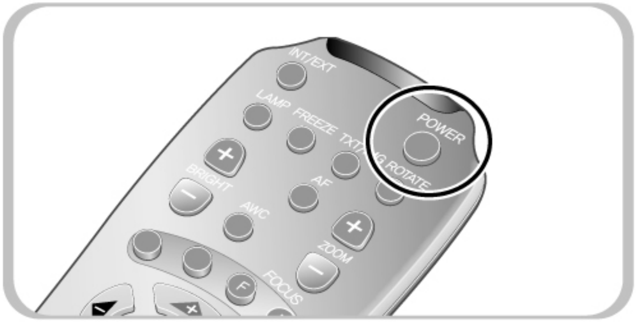
2

Connect the input device from which you want to receive the image and the output device in which you want to show the image.
(See pages 15 through 17)

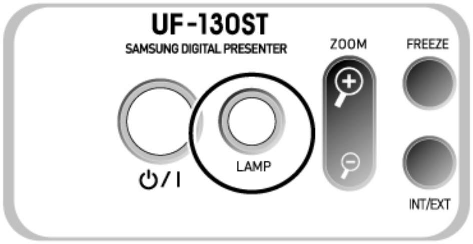
3

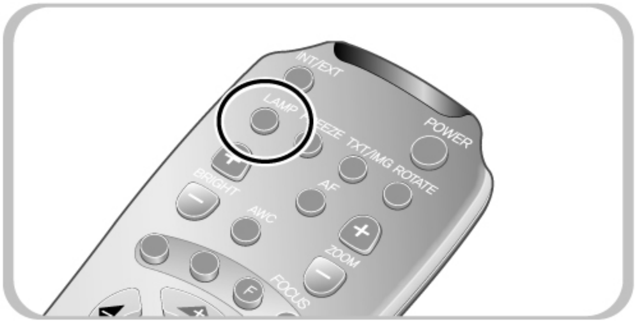
Turn the power off the input and output device on, and the digital presenter on.

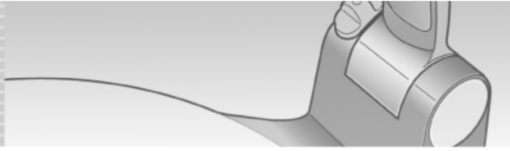

UF-130ST
SAMSUNG DIGITAL PRESENTER
ZOOM
LAMP
⏻/I


INT/EXT
LAMP
FREEZE
POWER
BRIGHT
AF
AWC
ZOOM
FOCUS
F

NOTE *When the digital presenter is powered on, the upper lamp turns on.
To turn off, press LAMP button of the presenter.*

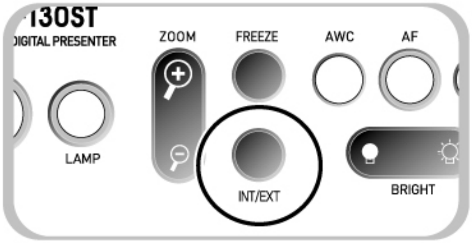

UF-130ST
SAMSUNG DIGITAL PRESENTER
ZOOM
FREEZE
⏻/I
LAMP
INT/EXT

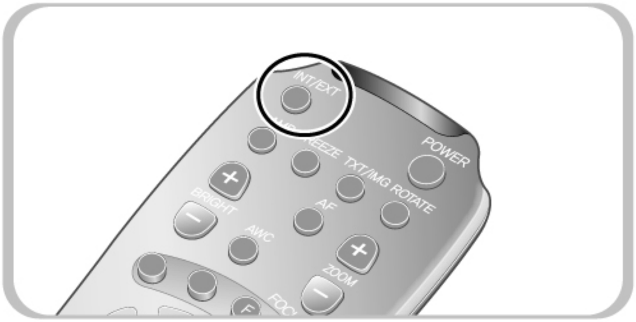

INT/EXT
LAMP
FREEZE
TXT/IMG ROTATE
POWER
BRIGHT
AF
AWC
ZOOM
FOCUS
F

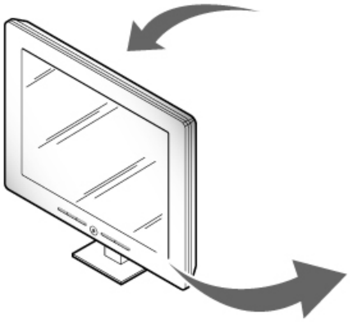


Using the presenter

4 Choose the video source with the **INT/EXT** button of the presenter.


130ST
DIGITAL PRESENTER
ZOOM
FREEZE
AWC
AF
LAMP
INT/EXT
BRIGHT


INT/EXT
FREEZE
TXT/IMG ROTATE
POWER
BRIGHT
AWC
AF
ZOOM
FOC

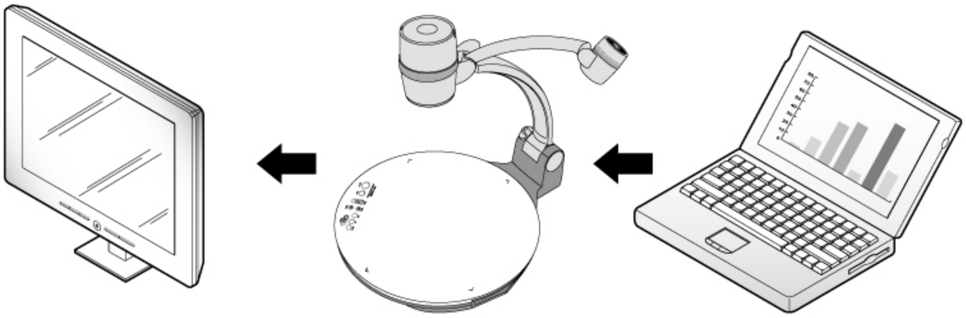


- Each time you press the button, the display shows EXT OUT, INT OUT
- **EXT OUT**
  View the image from an external VGA output device through a PC monitor or a projector connected to the digital presenter.
- **INT OUT**
  Choose this mode to show the image through the lens of the digital presenter.

NOTE

- *If Blank Image is displayed, check if the external input device is connected properly.*
- *Although you select INT or EXT,the current status is not displayed.*
- *By DVI port you cannot recieve the image from external device.*

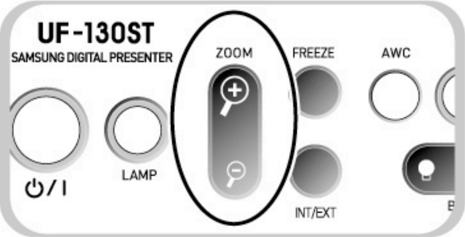
5 Open the image on the computer. Now you see the image through a PC monitor or a projector.

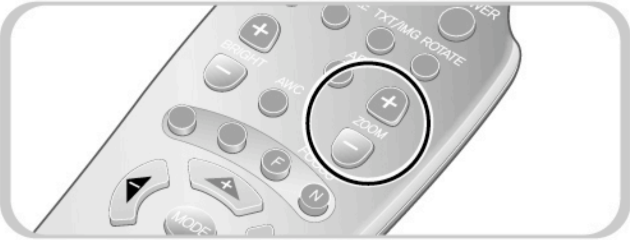


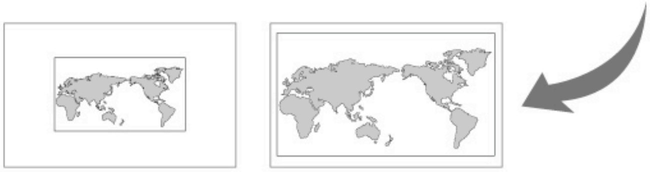
Adjusting your image

Use the control buttons on the remote control, on the control panel of the presenter or the control panel on the Live Viewer (desktop) to adjust the projected image. Some of the main features are described below :

Adjusting image size


UF-130ST
SAMSUNG DIGITAL PRESENTER
ZOOM
FREEZE
AWC
LAMP
INT/EXT


BRIGHT
AWC
TXT/IMG ROTATE
ZOOM
MODE



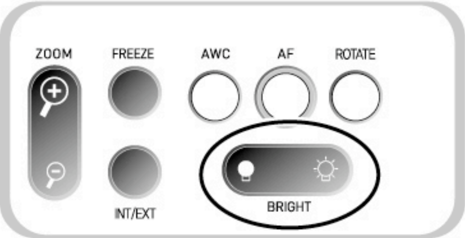
▼ Press WIDE or TELE button on the remote controller, the control panel on the Live Viewer (desktop) or the control panel on the Live Viewer (desktop) to change the image size displayed on the screen.

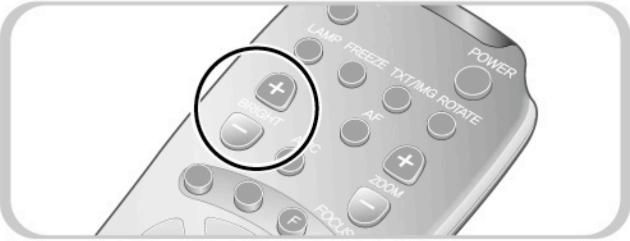
▼ You can also use ZOOM ⊕ , ZOOM ⊖ button of the presenter or the control panel on the Live Viewer (desktop) to achieve the same result.

Adjusting brightness

▼ Press BRIGHT ☼ button on the control panel, BRIGHT + button on the remote control or the control panel on the Live Viewer (desktop) to lighten the overall image.

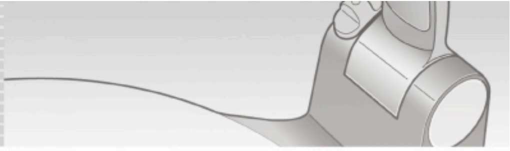
▼ Press BRIGHT ● button on the control panel, BRIGHT - button on the remote control or the control panel on the Live Viewer (desktop) to darken the overall image.


ZOOM
FREEZE
AWC
AF
ROTATE
INT/EXT
BRIGHT


LAMP
FREEZE
TXT/IMG ROTATE
POWER
BRIGHT
AF
ZOOM
FOCUS

NOTE

- *In case of presenting glazed photograph, turn off the upper lamp and press ● button of the control panel or BRIGHT- button of remote controller.*

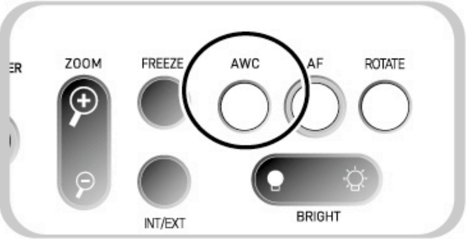


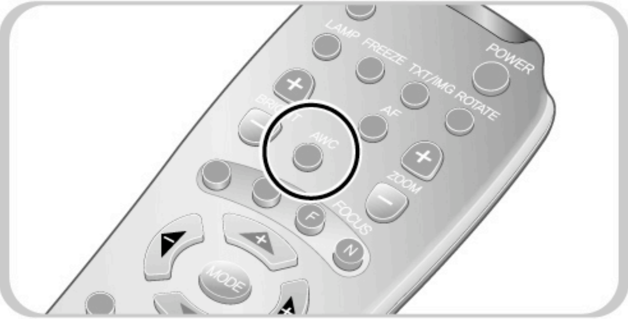
Adjusting your image

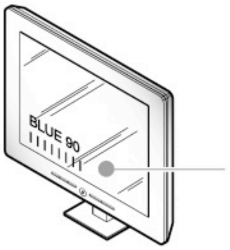
Adjusting image color

▼ For automatic color adjustment, press AWC button.

▼ If you want fine level adjustment, press BLUE+/- or RED +/- button on the remote controller or Live Viewer Panel to increase or decrease blue or red color factor manually.


ER
ZOOM
FREEZE
AWC
AF
ROTATE
INT/EXT
BRIGHT


LAMP
FREEZE
TXT/IMG
ROTATE
POWER
BRIGHT
AF
AWC
ZOOM
FOCUS
F
N
MODE



The color level will be displayed.

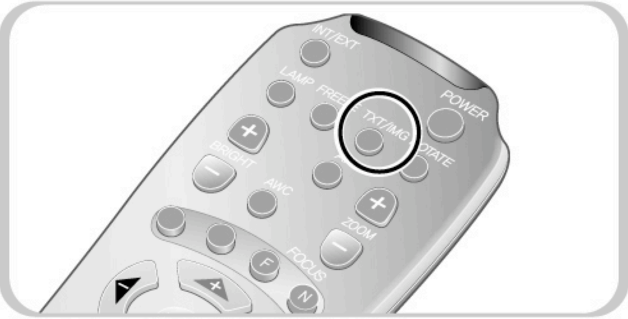
Hint
To obtain the best result, place a sheet of white paper under the lens and press the AWC button.

Image sharpness control

▶ Press TXT/IMG button on the remote control or Live Viewer Panel to control the sharpness of the output image.

TEXT MODE: Select the Text mode when displaying documents comprised mostly of text. Adjust the brightness to obtain the best result and automatically store the setting.

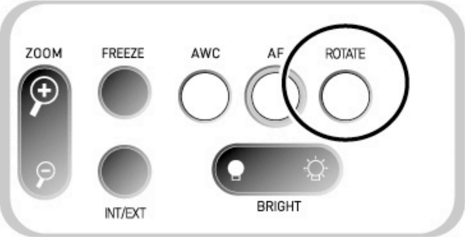
IMAGE MODE: Select this mode when display items such as photographs and 3-D objects. Adjust the brightness to automatically store this setting in the remote.

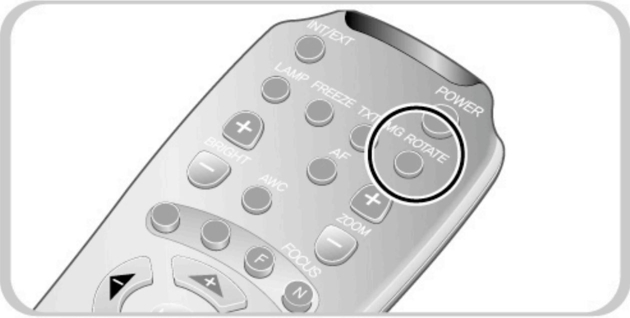

INT/EXT
LAMP
FREE
TXT/IMG
POWER
ROTATE
BRIGHT
AWC
ZOOM
FOCUS
F
N

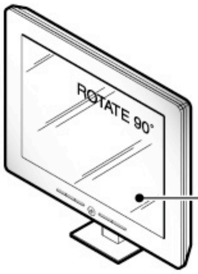
Adjusting your image

Image rotate control

▼ For image rotation, press **ROTATE** button.
To rotate the image by 90˚, 180˚, 270˚, 0˚, press ROTATE button


ZOOM
FREEZE
AWC
AF
ROTATE
INT/EXT
BRIGHT

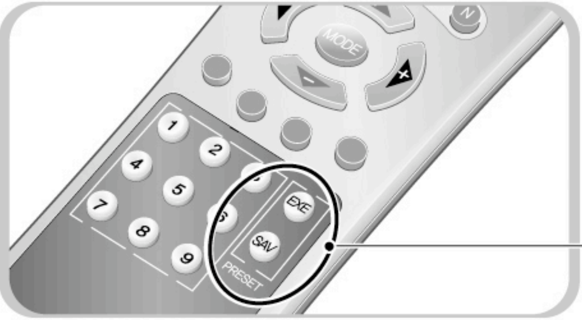

INT/EXT
LAMP
FREEZE
TXT
POWER
IMG ROTATE
BRIGHT
AF
AWC
ZOOM
FOCUS
F
N



The rotate image status will be displayed.

Saving custom user setting

■ After you adjust feature value, you can save the value for next time use. You can save up to 4 different custom user settings. (You can save the setting on the Zoom, Focus, Iris, Lamp state and Color level buttons.)


MODE
N
1
2
4
5
7
8
9
EXE
SAV
PRESET

◀ To save the current value, press **SAVE** button and specify the memory location within 4 seconds using the number keys from 1 through 4.

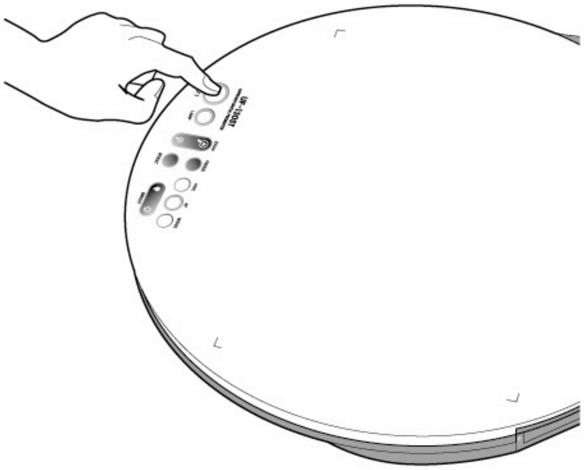
◀ To recall your custom setting, press the **ACTIVE** button and press the memory location number within 4 seconds.

The memory location numbers are printed on the top side of these buttons. For example, if you want to save the feature into memory location 4, press SAVE then press 4 button on the top side of the **SAVE** button.

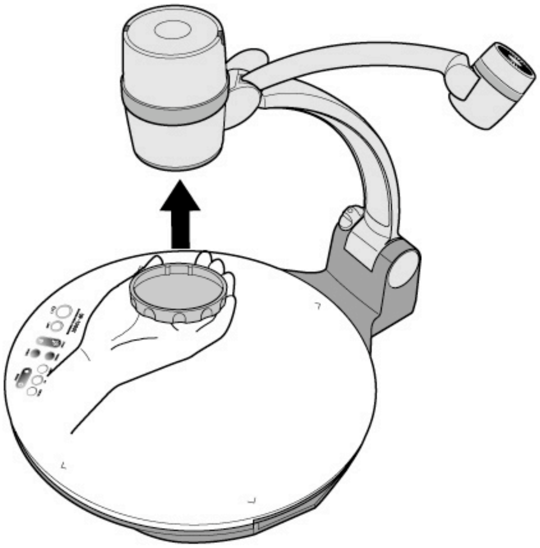
NOTE *You can not save the setting on the FREEZE and ROTATE functions.*

Storage

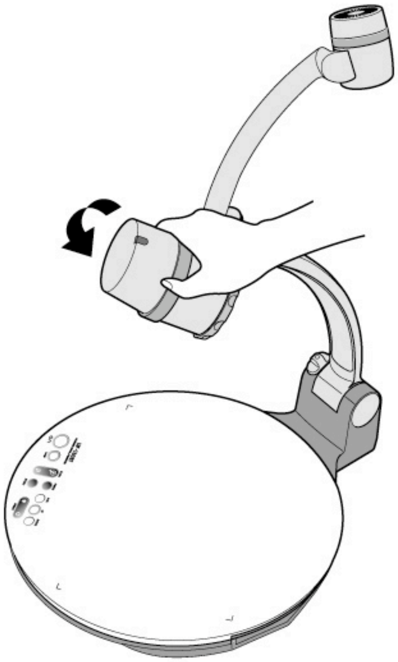
1 Turn the power off and unplug the power cord.



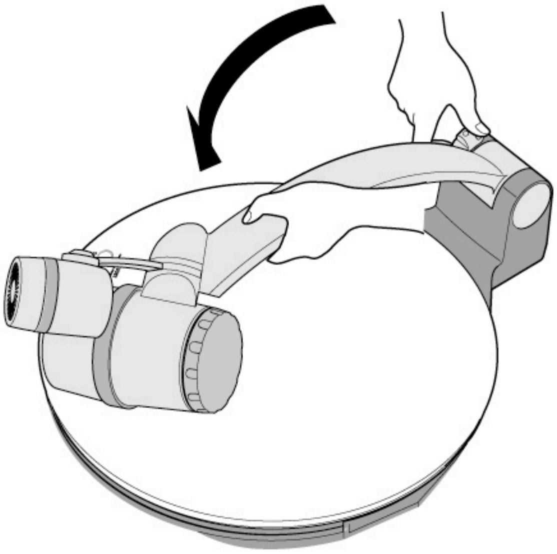
2 Attach the lens cap.



3 Turn the head upside down.

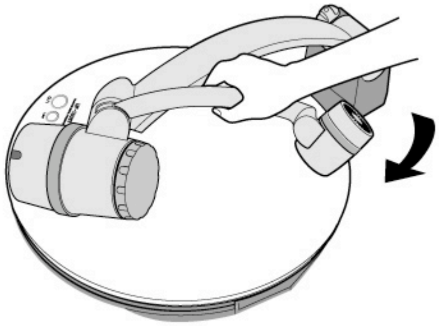


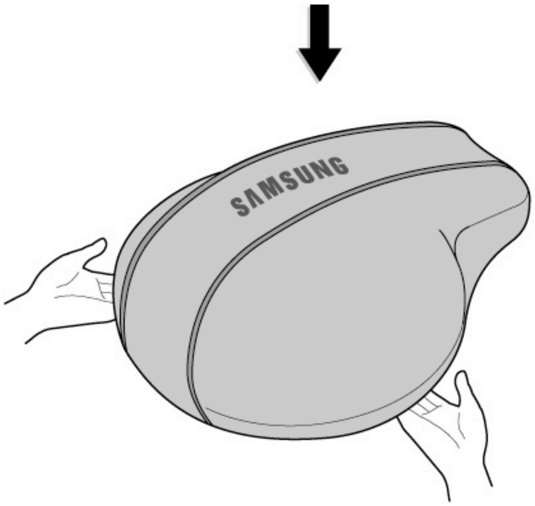
4 While you push the main lock button toward the front of the presenter, fold the arm shaft completely.



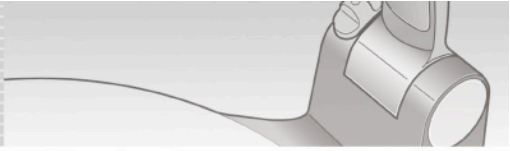
Storage

5 Fold lamp arm opposite lens part.





If you plan to store your Samsung UF-130ST for a long period of time, protect it with the supplied cover.



Trouble shooting

No image appears

- Check if the input selection of the output device is appropriate.
- Check if the iris control is adequate.
- Check if the VGA cable is connected to the VGA output terminal correctly.
- Check if the lens cap is removed.

No communication between the PC and USB.

- Make sure the operating system is Windows 2000 or later.
  The software doesn't support Windows 98.
- For other detailed information, please refer to the program manual supplied with the product.

The image is out of focus.

- Make sure the adaptor lens is attached.
- Check if the distance from the object is too short.

The mouse does not work normally.

- Check the contact condition of mouse port.

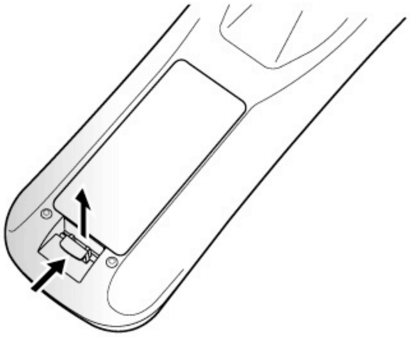
Remote control does not work

- Check the batteries in the remote control.
- Replace them with new ones.

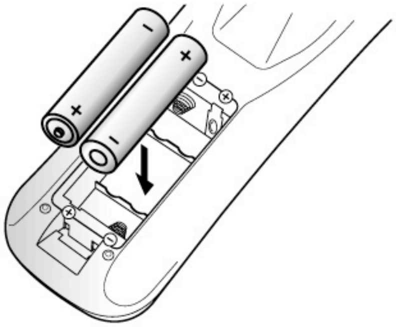
If there are problems, please contact the supplier nearest you.
SAMSUNG
TECHWIN

Battery replacement

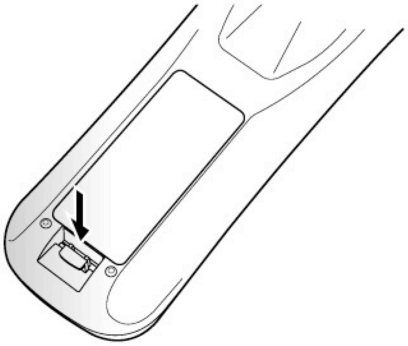
1 Open the battery compartment lid on the back of the remote controller.

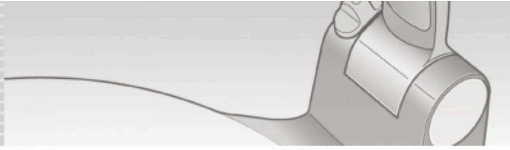


2 Insert new batteries.



3 Close the lid.





Specifications

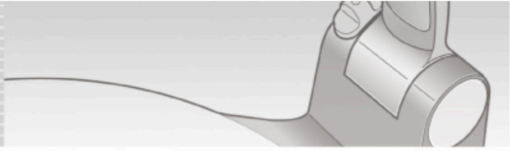
■ Note : Specifications are subject to change without notice.

Mode			UF-130ST
Optical System	Lens		F=1.5(Wide) ~ 2.1(Tele) f=4.8 ~ 67.2
	Shooting Area		Max : 298 x 221mm, Min : 21.7 x 16.4mm
	Zoom		Powered (14x Optical), Digital (3x)
	Focus		Auto focus / Manual
	Iris		Auto (with fine level adjustment)
Illumination System	Upper		Power LED Illumination System
	Lower		Light Box (Option)
Video	Pick-up Device		1/3" Progressive Scan CCD
	Total Number of Pixels		1,348(H) x 976(V), 1.32M pixels
	Number of Effective Pixels		1,296(H) x 966(V), 1.25M pixels
	Frame Rate		SXGA/XGA : 22.5fps, 720p HD : 30fps
	VGA Output		SXGA (1,280 x 1,024), XGA (1,024 x 768), HD (1,280 x 720)
	White Balance		AWC (One-touch) / Manual
	Image Freeze		Available
	Image Rotation		Available (90°, 180°, 270°, 0°)
	Preset Function		Up to 4 user settings
	Input Selection		2 channels (Internal : 1, External : 1)
Interface Port	Input Port	VGA In	15 pin DSUB Connector x 1
	Output Port	VGA Out	15 pin DSUB Connector x 1
		DVI Out	DVI-D type Connector x 1
	I/F Port	RS-232C	9 pin DSUB Connector x 1
		USB	USB Slave B-type x 1
	Power Port	Power Input	DC +12V In x 1
		Power Output	DC +12V Out x 1 (0.6A)
General	Operating Temperature		+5°C ~ +35°C
	Operating Humidity		30% ~ 90%
	Power		12V DC (Adaptor input : AC 100V ~ 240V free voltage, 50/60Hz, output : 12V, 4A)
	Dimensions		In-use : Ø404(W) x 489(H) x 504(D)mm / Ø15.91"(W) x 19.23"(H) x 19.84"(D)
			Storage : Ø404(W) x 207(H) x 504(D)mm / Ø15.91"(W) x 8.15"(H) x 19.84"(D)
	Weight		About 5Kg (11.02 lb)
	Accessories		Carrying bag, Remote controller, Cable, etc.

Memo

Memo

Memo



Memo

SAMSUNG TECHWIN

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1480 Charles Willard St. Carson, CA 90746, UNITED STATES
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www.samsungtechwin.com
www.sasmsungpresenter.com

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