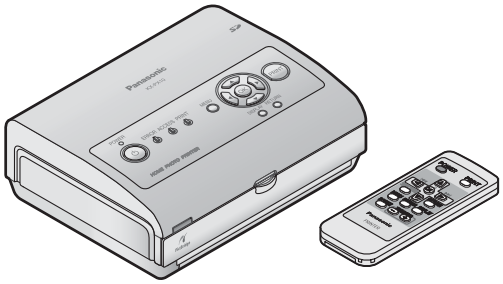
Panasonic

Home Photo Printer KX-PX10M Operating Instructions



Panasonic®

Operating Instructions

Home Photo Printer

Model No. **KX-PX10M**

Warranty provided separately

Thank you for purchasing this Panasonic Home Photo Printer.

- Please read this manual carefully to ensure proper operation. Especially, be sure to read the “Important Safety Instructions” (pages 6 – 9) before using this product. Store this manual and warranty in the safe place for future references.

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

http://www.pasc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

Thank you for purchasing a Panasonic Home Photo Printer.

For your future reference

Date of purchase

Serial number (found on the rear of the unit)

Dealer's name and address

Dealer's telephone number

Attach your sales receipt here.

Caution:
Note that the images of printed documents will remain on the used ink sheet.
Use discretion when disposing of the used ink cassette.

Table of Contents

Before Use

Important Safety Instructions 6
Notes on Use 10
- Usage locations 10
- Storage 11
- Copy-prohibited items 11
- When disposing of, transferring ownership or returning the printer 11

Package Contents 12
Names and Functions of Each Part 13

Preparation

Connecting a Power Source 15
Inserting Battery into the Remote Control 16
Paper and Ink Cassettes (Sold Separately) 18
- Handling of paper and ink cassettes 19

Inserting the Paper 20
Inserting the Ink Cassette 22
Connecting 24
- Connecting the printer to a digital camera 24
- Connecting the printer to a TV 25
- Connecting the printer to a computer 25

Printing

PictBridge Printing with a Digital Camera 26
Printing with a TV 28
- Checking the connection to a TV 28
- Inserting a memory card 29
- Turning the power on 29
- Changing the language 30
- Printing single image 32
- Printing multiple images 34
- Printing all images on a memory card 36
- Printing an index 38
- Printing using DPOF settings 40

Changing Settings

Print Settings 42
- Printing date 42
- Borderless printing 44
- Rotating image 180° 46

Image Adjustment 48
Device Settings 53
Saving Settings 55
Restoring Default Settings 56

Advanced Operations

Searching for Images 57
- Searching for images by date 57
- Exiting search mode 59

Selecting All Images 60
Slide Show 62
- Starting a slide show 62
- Slide show of selected images 64
- Slide show settings 65

Trimming/Rotating Images 67
Creating Calendars 69
Composite Printing 76
LUMIX Baby Mode 82

With PC

Printing with a Computer 84
- System requirements 84
- Installing the printer driver 85
- Printing from the computer 89
- Status monitor 89
- License agreement 90

Others

If a Paper Jam Occurs 91
LED Indicators 93
Troubleshooting..... 94
Message Display..... 100
Maintenance 103
Specifications 104
List of Factory Settings..... 105
Additional Information 106
Index 108
Customer Services 109

Important Safety Instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the unit.
3. Unplug this unit from wall outlets before cleaning. Do not use liquid or aerosol cleaners. Use a dry cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover air vents on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electrical shock.
10. Do not damage the power cord, plug or AC adaptor. Consult your dealer in case where these items need to be repaired.
11. Do not touch the plug with wet hands.
12. Do not use a damaged plug or AC adaptor or slack cord. Insert the power plug fully and firmly.
13. Regularly clear away dust from the power plug.
14. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
15. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
16. Unplug this unit from wall outlets and refer servicing to an authorized service center when the following conditions occur:
    A. When the power cord is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service center.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
17. During thunderstorms, avoid using the unit. There may be a remote risk of an electric shock from lightning.
18. Do not place memory cards within reach of infants. If you believe a child has swallowed a memory card, contact a physician immediately.

SAVE THESE INSTRUCTIONS

WARNING:

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact the Panasonic Call Center at 1-800-211-PANA (1-800-211-7262).

Battery

To reduce the risk of fire or injury to persons, read and follow these instructions.

- Use only the battery specified.
- Keep coin battery out of the reach of small children.
- Do not charge, disassemble or remodel the coin battery, subject it to pressure or heat, or place it in water or fire.
- Be sure to check the + and – terminals of the coin battery and insert it correctly.
- Do not allow any metallic object (such as necklace or hair pin) to contact the +/– terminals of the coin battery. Place the battery in a plastic bag or other safe container to ensure that it does not come in contact with any metallic objects.
- If fluid leaks from the battery:
  If fluid should for some reason leak from the battery and it comes in contact with your skin or clothes, be sure to flush the affected area thoroughly with water.
  Avoid getting any battery leakage in your eyes as this may cause eye damage or loss of eyesight. If you get any battery leakage in your eyes, immediately wash the area with water and consult a physician.

CAUTION:

- The wall outlet shall be installed near the equipment and easily accessible or the power plug or an appliance coupler shall remain readily operable.
- Although the power button is in the “OFF” position, the unit is not completely disconnected from the power supply. Remove the plug from the wall outlet if you will not be using the unit for an extended period of time. Place the unit so the plug can be easily removed.
- Be sure to remove the memory card from the unit before disconnecting the power cord.
- When moving the unit, disconnect the power cord.
- Do not place heavy object on the unit, or sit on it.
- Do not use the unit in a location exposed to sooty or steamy emissions, dampness or excessive dust.
- Avoid placing the unit in locations subject to high temperatures. In particular, avoid placing the unit in locations subject to direct sunlight or close to stoves.
- Take care not to catch your fingers in the opening for the ink cassette and paper cassette.
- Do not touch the paper during printing. Paper moves back and forth 4 times during printing. Do not touch the paper until the printing process has finished.
- Do not touch the thermal head located inside the unit as this may lead to burn injury.

Continued on next page

Important Safety Instructions

FCC NOTE: (U.S. only)

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.

FCC Caution: To assure continued compliance, follow the attached installation instructions and use only shielded cables when connecting to computer or other devices. Also, any changes or modifications not expressly approved by the party respossible for compliance could void the user's authority to operate this equipment.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This equipment may not cause harmful interference, and (2) this equipment must accept any interference received, including interference that may cause undesired operation.

Responsible party:
Panasonic Corporation of North America
One Panasonic Way,
Secaucus, New Jersey 07094
Phone number: 1-800-211-PANA
(1-800-211-7262)

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Notes on Use

Usage locations

■ Printer usage location

- **Do not use in the following locations:**
  - Locations subject to a lot of dust or lint, as this may lead to inability to print cleanly.
  - In direct sunlight, near an air conditioner, or in any other location where temperature may rise above 95°F (35°C) or fall below 41°F (5°C). There is a risk of causing malfunction, deformation, or damage to the printer.
  - On a piano or a carpeted surface. There is a risk of causing damage or discoloration.
  - Where it can be exposed to tobacco smoke. There is a risk of causing the printer to malfunction.
- **Keep away from magnetic and/or electronic hardware.**
  In order to prevent adverse electromagnetic effects, be sure to operate as far away as possible from the following type of appliances.
  - Mobile phones, microwave ovens, electronic game units and stereo speakers.
- **Do not use the printer vertically.**
  This may cause the printer to malfunction.

■ If the printer's inner components overheat

When the ambient temperature is high or when continuous printing has been performed, printing operations may temporarily halt in order to keep the internal temperature of the printer from rising. Printing will automatically resume when the internal temperature of the printer goes down. Ensure that the printer is used in a well-ventilated location.

■ When ambient temperatures are low

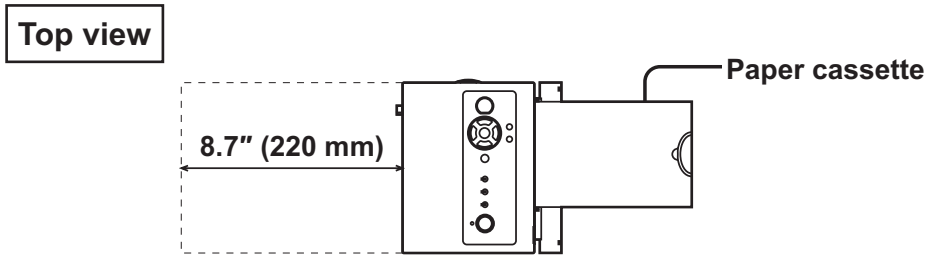
To maintain high quality image output, the printer does not begin printing until the internal temperature has warmed up, so it may take some time before printing starts. Printing starts automatically once the temperature has risen sufficiently.

■ To prevent the printer deformation and keep the case finish

Do not spill or allow any volatile solvents, such as benzine, paint thinner, or other solvents or insecticide to come in contact with the printer. Also, do not maintain contact with the printer by rubber or vinyl-coated materials for an extended period of time. This may damage the surface of the printer or cause the case finish to peel.

■ Required space during printing

Paper is ejected and inserted from the rear panel of this printer during printing.
Do not place any objects within 8.7″ (220 mm) of the rear panel of the printer. This may lead to paper jams.



Storage

Storing paper and ink cassettes

After use, remove the paper cassette from the printer, close the cassette lid, leaving any remaining paper in the paper cassette. Then insert the paper cassette into a plastic bag and store so that it lies flat.

Avoid placing the paper and ink cassette in locations subject to high temperature, high humidity or direct sunlight. After opening the original packaging, use all the paper as soon as possible.

When the printer is not to be used for an extended period of time

- To conserve electric power, turn off the printer's power and disconnect the power cord. (The printer will continue to consume approximately 1.5 W of power even after the unit is turned off by pressing the POWER button if it is plugged in.) Leaving the printer idle for long periods may impair functionality. Make sure you turn the printer's power on and operate the printer at least once every six months.
- Remove the paper cassette, ink cassette and memory card from the printer. Then close the printer covers.

Copy-prohibited items

Copying of software is prohibited

Copying of software supplied with this printer for unauthorized commercial purposes or copying on networks is prohibited.

Copying of prohibited material

Printing of monetary notes or marketable securities is illegal and a criminal offence depending on the intention and means of application of the printed material.

When disposing of, transferring ownership or returning the printer

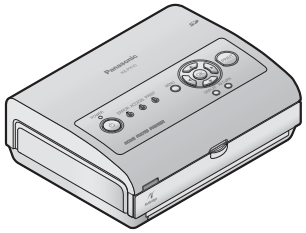
Note that information you have printed will remain in the ink cassette after printing. Be sure to dispose of the ink cassette to avoid unexpected damages due to distribution of this information (☞ p. 23).

Package Contents

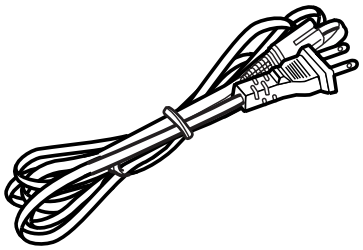
Check that you have all of the following before using the product. If any items are found to be defective or missing during your check, please contact your dealer.
Note that a Paper and Ink set (sold separately) is required in order to print (☞ p. 18).

Photo printer and accessories

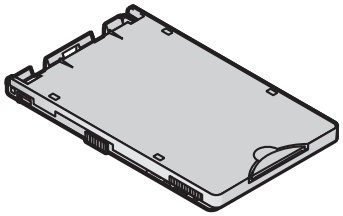
☐ **Photo Printer x 1**



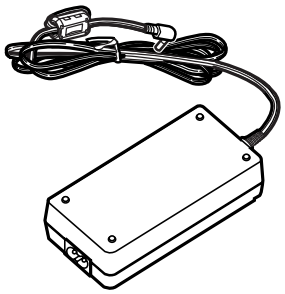
☐ **Power cord x 1**
(Part number: PFJA02A007Z)



☐ **Postcard size paper cassette x 1**
(Part number: PFZCPX1EX)

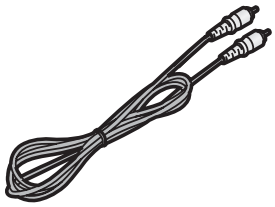


☐ **AC adaptor x 1**
(Part number: PFAP1016)



☐ **Remote control x 1**
(Part number: PFRM0002)

☐ **Video cable x 1**
(Part number: VJA0815-A)



☐ **Coin battery (CR2025) x 1**

Others

☑ **Operating Instructions (this manual) x 1**

☐ **Quick guide (in Spanish) x 1**

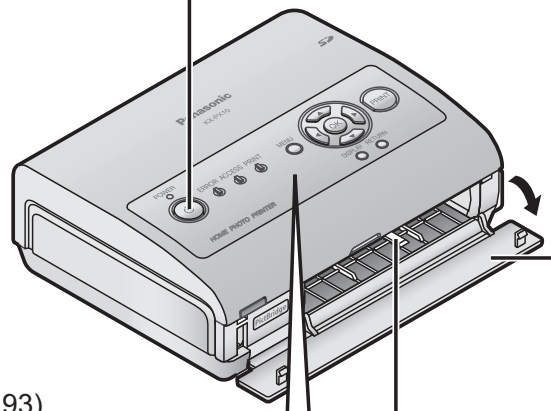
☐ **Warranty x 1**

☐ **CD-ROM (Printer Driver) x 1**

☐ **Starter kit**
- **Ink cassette x 1 (for postcard size paper, enough for 5 prints)**
- **Postcard size paper ... 5 sheets (5 sheets x 1 bag)**

Names and Functions of Each Part

Front View



POWER Button

Paper Cassette Compartment Cover

Paper Support Lever

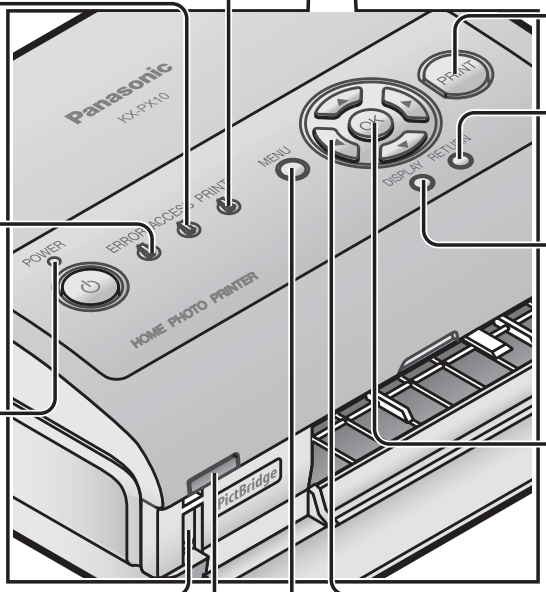
LED Indicators (☞ p. 93)

PRINT Lamp (Green)
This lamp blinks while printing is in progress and lights up when waiting for printing.

ACCESS Lamp (Green)
This lamp lights up or blinks when image data is being accessed.

ERROR Lamp (Red)
This lamp lights up or blinks when an error occurs.

POWER Lamp (Red/Green)



PRINT Button

RETURN Button

DISPLAY Button
Switches between “Summary View” and “Single-Shot View”.

OK Button

PictBridge Terminal (☞ p. 24, 26)

Direction Buttons
Selects menu items and images.

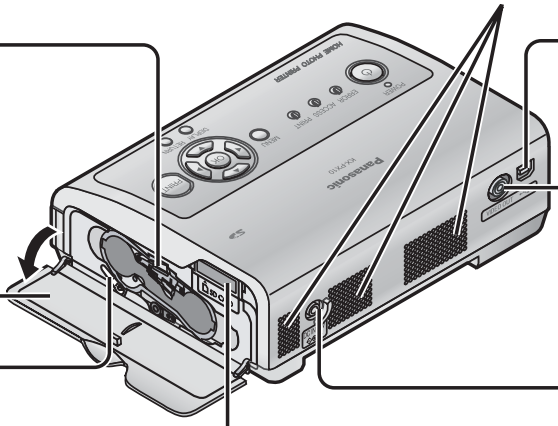
Remote Control Receiver
Receives signals from the remote control. Do not block.

MENU Button

Continued on next page

Names and Functions of Each Part (continued)

Rear View



Air Vent
Do not block.

Ink Cassette Eject Lever
(☞ p. 23)

USB Port
(☞ p. 25, 88)

Ink Cassette Compartment Cover

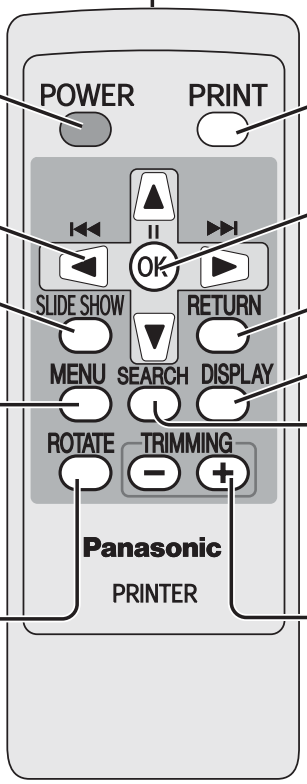
Video Output Terminal (VIDEO OUT)
(☞ p. 25, 28)

Paper Jam Removal Lever
(☞ p. 92)

DC IN Port

Memory Card Slot
(☞ p. 29)

Remote Control



Remote Control Transmitter

POWER Button

PRINT Button

Direction Buttons

OK Button

SLIDE SHOW Button
Displays a slide show of images on the memory card.

RETURN Button

DISPLAY Button

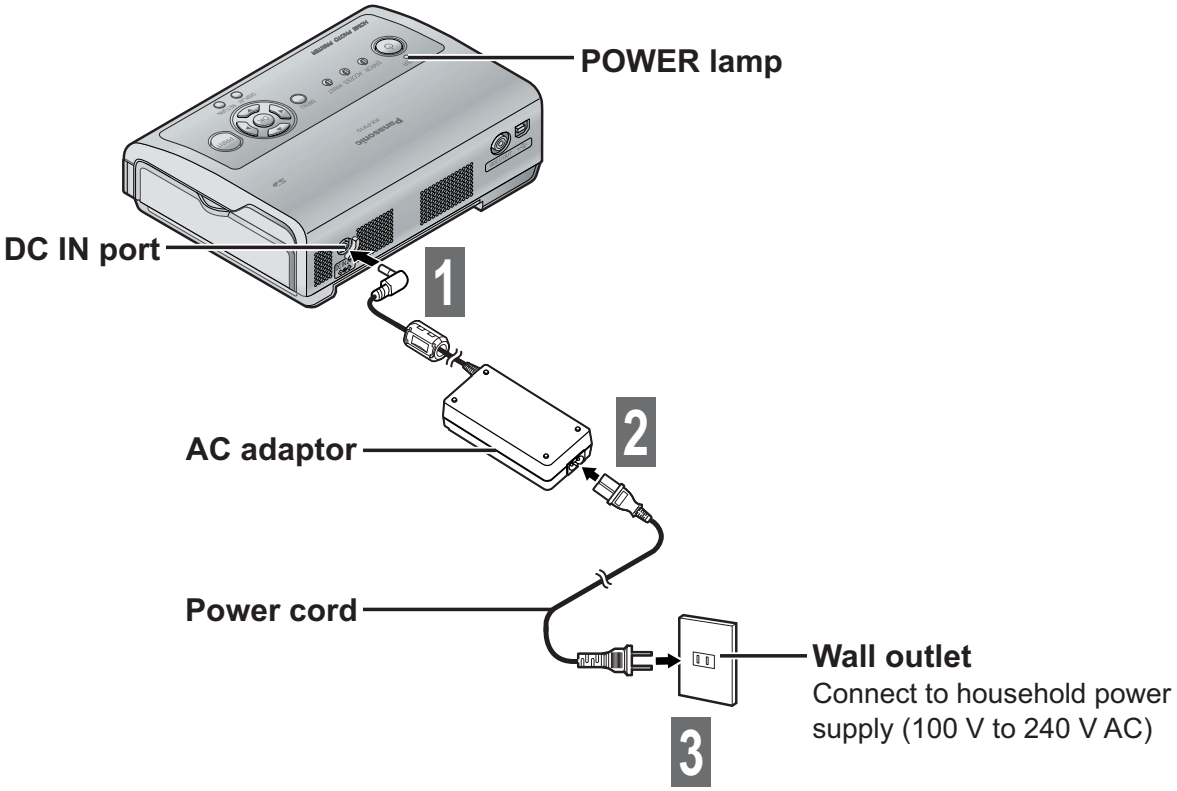
MENU Button

SEARCH Button
Searches for images of the selected time period.

ROTATE Button
Rotates images 90 degrees in the clockwise direction (☞ p. 67).

TRIMMING Button
Reduces or enlarges the image size (☞ p. 67).

Connecting a Power Source



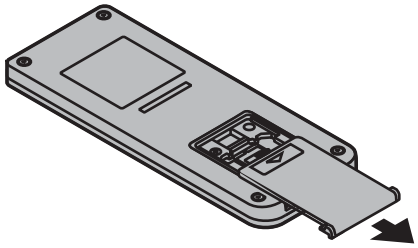
When the power cord is connected to wall outlet, the POWER lamp lights up in red (standby mode).

CAUTION:

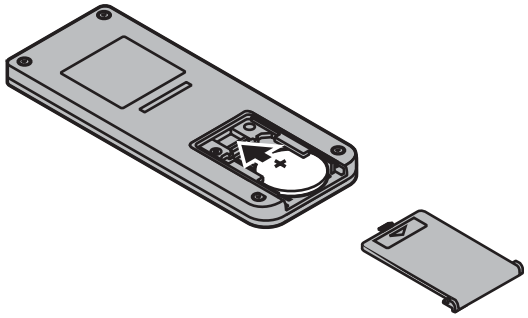
- Never touch the power cord during a lightning storm.
- When you operate this product, the wall outlet should be near the product and easily accessible.
- Use only the included AC adaptor and power cord.

Inserting Battery into the Remote Control

1 **Open the battery cover by sliding in the direction of the arrow.**

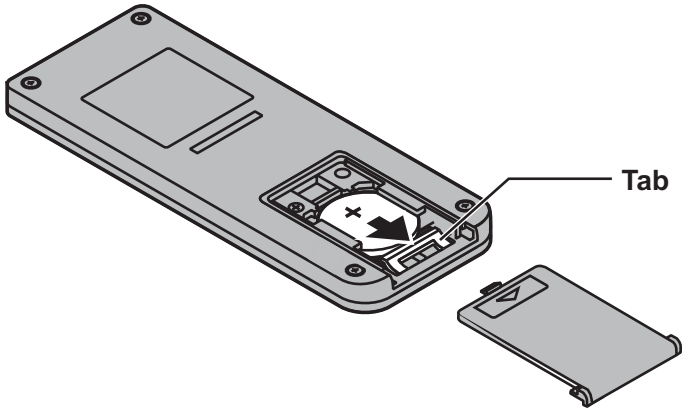


2 **Slide the coin battery into place with + terminal facing up.**



3 **Close the battery cover.**

• To remove the coin battery

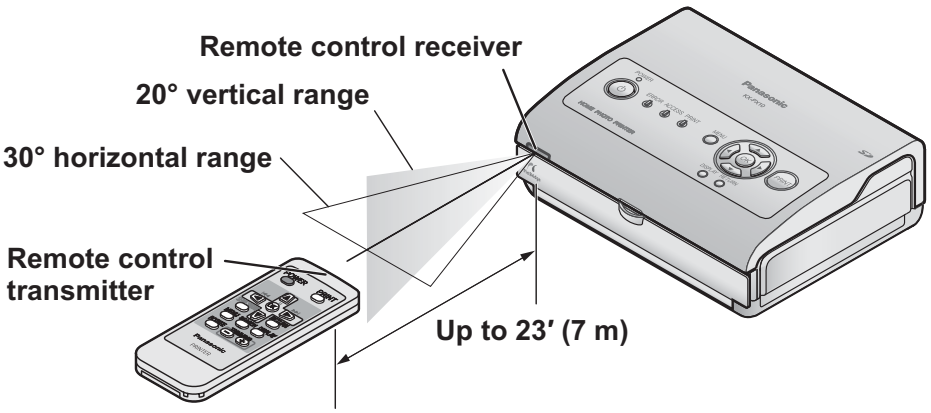


Pressing down on the tab, slide out the coin battery and remove.

Caution

- Risk of explosion if the battery is incorrectly replaced. Replace only with type CR2025.
- Dispose of used batteries according to local regulations.

Remote control operational range



Important

- Make sure there are no objects blocking the path between the printer and the remote control. The remote control may fail to operate the printer.
- Do not allow the printer's remote control receiver to come in contact with direct sunlight or strong fluorescent light. This may prevent the printer from working properly.

Paper and Ink Cassettes (Sold Separately)

• Starter kit is included (5 sheets of postcard size paper).

Use only paper and ink cassettes in the Paper and Ink set described below.
Do not use postcard and ink jet type paper.
(This will cause paper jams and the printer to malfunction.)

• Protective coating is applied to the images that printed using paper and ink in the Paper and Ink set, so that print quality can be maintained over an extended period of time.
• Ensure that only the ink cassette and papers, which come together as part of a set, are used with the printer. The ink cassettes included in the Paper and Ink set provide enough ink to print the number of sheets included in the Paper and Ink set. Always replace the ink cassette when using a new Paper and Ink set. **Paper and ink cassettes are not sold separately.**
• **The following paper cassette (sold separately) is required in order to print on wide size paper.**

Please purchase separately sold accessories from your dealer.

Item	Model No.	Paper size	Remarks
Paper and Ink set	KX-PVMS36KM	3.98″ x 5.98″ (101 x 152 mm)※1	• Ink cassette x 1 (enough for 36 prints) • Postcard size paper ... 36 sheets (18 sheets x 2 bags)
	KX-PVMS108KM	3.98″ x 5.98″ (101 x 152 mm)※1	• Ink cassette x 3 (a cassette provides enough ink to print 36 sheets) • Postcard size paper ... 108 sheets (18 sheets x 6 bags)
	KX-PVMS20WM	3.98″ x 7.09″ (101 x 180 mm)※1	• Ink cassette x 1 (enough for 20 prints) • Wide size paper ... 20 sheets (20 sheets x 1 bag)
Paper cassette	KX-PVPW1M		For wide size paper

※1 This represents the paper size per sheet (after cutting).

Important

• Before using a Paper and Ink set, ensure that you acclimatize the Paper and Ink set to the ambient temperature prior to opening. In particular, if the Paper and Ink set has been stored at a low temperature, condensation may occur due to the difference in temperatures (☞ p. 96, “Condensation”).
• Avoid storing paper and ink cassettes in places subject to high temperature, high humidity or direct sunlight. This may lead to deterioration of print quality or prevent printing capability.

Handling of paper and ink cassettes

During printing

- Do not open the ink cassette compartment cover, as print quality may be reduced.
- Do not remove the paper cassette or ink cassette.
- Do not pull the paper while it is moving.
- Be sure to remove printed paper before 10 or more sheets have piled up. Failure to do so may result in a paper jam. Be particularly sure to remove paper with a high degree of curl before it piles up.
- Do not touch the print surface with your fingers.

After printing

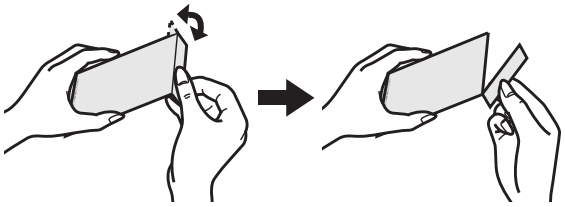
- Do not remove unused sheets of paper from the paper cassette. Close the cassette lid, then insert the paper cassette into a plastic bag and store so that it lies flat.
- After removing the paper cassette, close the paper cassette compartment cover to prevent dust from getting inside the printer.
- Remove the ink cassette and store it in a plastic bag or other safe container.

Handling printed paper

- Pay special attention to the following, otherwise discoloration, fading and color transfer may occur.
  - Do not allow objects such as vinyl desk mats, name card cases, or plastic erasers to come in contact with the printed surfaces. When storing printed paper in an album, select holder sleeves made of nylon, polypropylene or cellophane.
  - Do not allow any volatile solvents such as alcohol to come in contact with the printed surface.
  - Do not touch the printed surface.
  - Do not leave printed surfaces in contact with one another, or place any other papers on printed surfaces for a certain period of time.
  - Do not store printed paper in locations subject to high temperature, high humidity, or direct sunlight.
- When writing on a printed surface, use permanent markers (oil-based) only. You may use permanent markers (oil-based), water-based markers, pencils and oil-based ball point pens to write on the back of printed papers.
- You can use printed images for your personal enjoyment. Copyright laws prevent their use in any other way without the written permission of the copyright holders.
- Do not reuse paper that has already been printed on.

Note

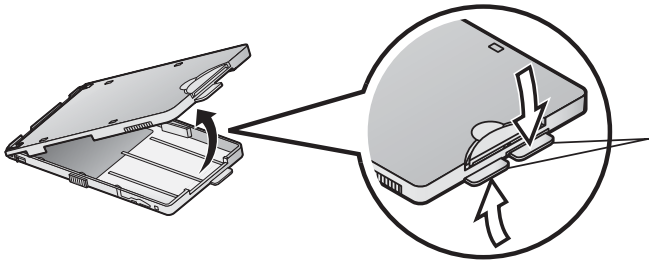
- When cutting paper after printing, fold the paper along the perforated line. Then reverse the fold in the opposite direction and cut the paper along the folded line.
- If you are printing on the reverse side of a sheet with a different printer, the ink may take some time to dry.



Inserting the Paper

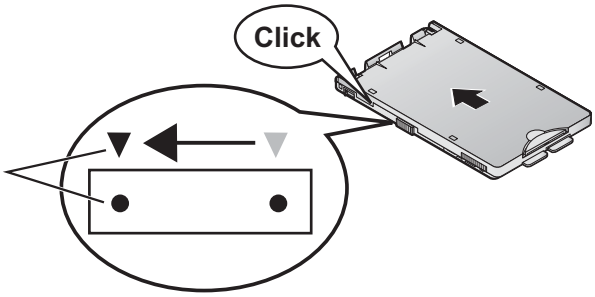
For details on paper, refer to page 18.

1 Open the paper cassette lid.



Tab
- Push in the direction of the arrow.

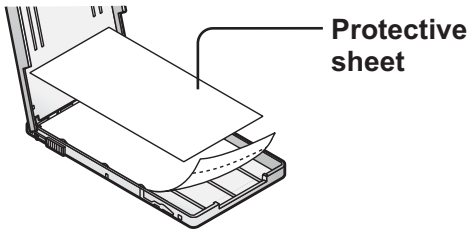
- If the lid does not open, slide the lid until "●" and "▼" marks align (until you hear the lid catch in place).



2 Insert paper in the paper cassette.

1 Fan the paper to avoid multi-sheet feeds. Place the paper in the paper cassette without removing protective sheet so as not to touch the print surface.

- The protective sheet will stick out a little bit.



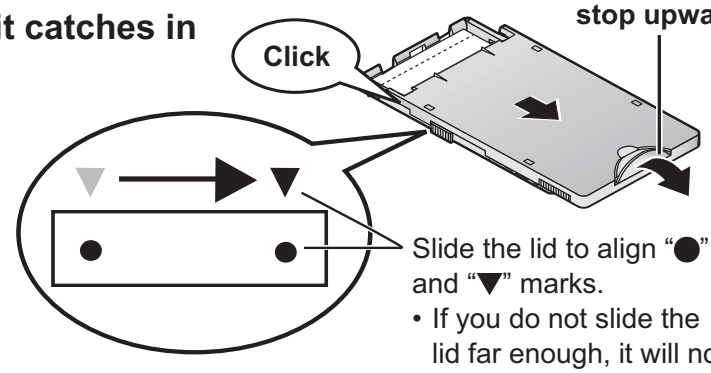
- Make sure that the paper cassette and ink cassette size match. If the size of the cassettes does not match, printing will become impossible.

2 Remove the protective sheet and close the paper cassette lid.

- Take care not to leave fingerprints on the paper.

3 Insert the paper cassette to the printer.

1 Slide the paper cassette lid forward until it catches in place.

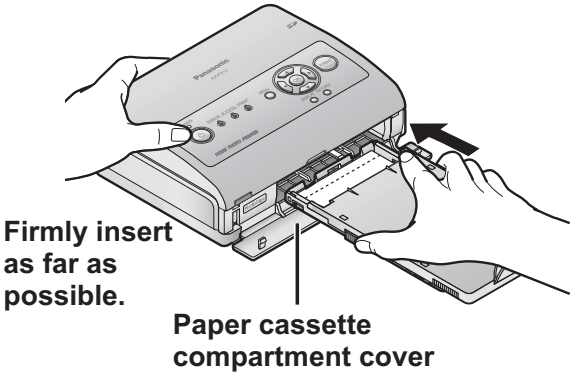


- If you do not slide the lid far enough, it will not attach properly to the printer.

2 Pull the paper stop upwards.

3 Open the paper cassette compartment cover and insert the paper cassette firmly while holding the unit.

- Make sure that the positions of the "●" and "▼" do not shift when attaching the paper cassette.



Important

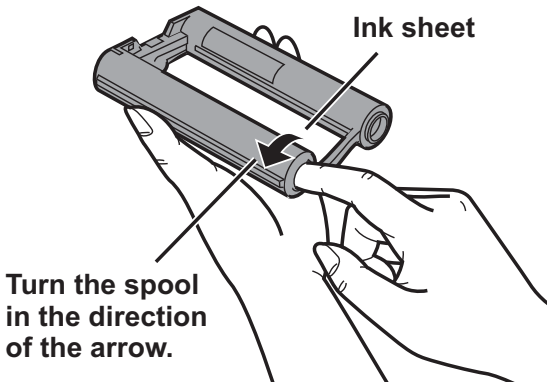
- Do not load more than 18 sheets of paper (or 20 sheets of wide size paper) in the paper cassette.
- Be sure to remove printed paper before 10 or more sheets have piled up.
- Do not touch the print surface (the plain, glossy side) or allow it to get dirty. Clear prints may become impossible if the print surface gets dirty, stained by fingerprints, or wet with water.
- Do not bend or fold the paper or load it in the cassette with the reverse side facing upward.
- Do not stretch the paper. This may lead to paper jam or prevent printing capability.
- Do not remove the perforated section before printing.
- Do not affix stamps or adhesive seals to the paper before printing.
- Do not print on the paper with a word processor before printing with this printer.
- Do not write on the paper before printing with this printer.
- Do not remove unused sheets of paper from the paper cassette. Close the cassette lid, then insert the paper cassette into a plastic bag and store so that it lies flat.

Inserting the Ink Cassette

For details on ink cassette, refer to page 18.

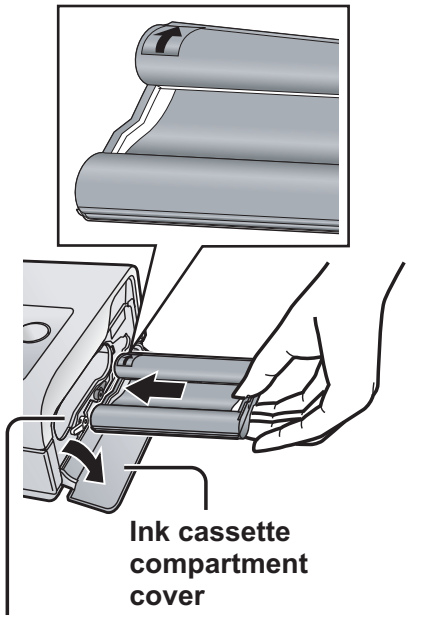
1 If the ink sheet is slack, tighten it.

- Turn in the direction of the arrow displayed on the ink cassette.



2 Open the ink cassette compartment cover and insert the cassette into the printer.

- Insert the ink cassette as far as it will go with the arrow mark facing forward until it catches in place.



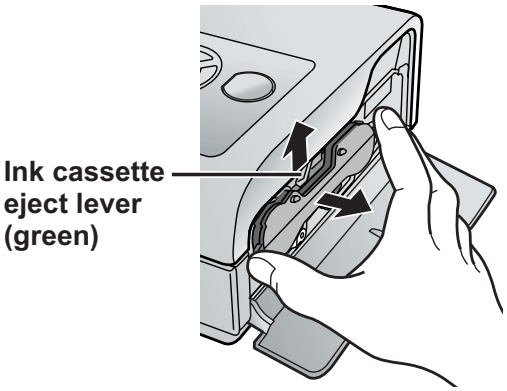
When using the printer for the first time, be sure to remove the padding used during transportation.

3 Close the ink cassette compartment cover.

Removing the ink cassette

1 **Open the ink cassette compartment cover.**

2 **Pull the ink cassette eject lever (green) upward.**



3 **Pull the ink cassette straight out while grasping both ends of it as shown in the figure to the right.**

4 **Close the ink cassette compartment cover.**

- Do not open the ink cassette compartment cover during printing, as print quality may be reduced.

Important

- Do not reuse a used ink cassette and be sure to dispose according to local regulations.
- Do not touch or pull on the ink sheet.

Connecting

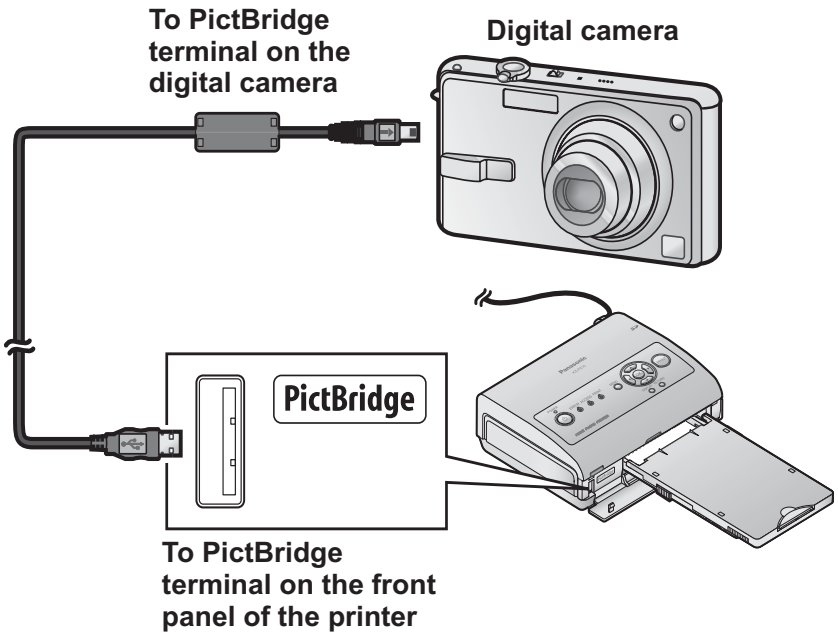
You can connect the printer to a digital camera, TV or computer.

Connecting the printer to a digital camera

You can connect the printer to a PictBridge compatible digital camera or digital video camera to print recorded images.

For details on printing operation, refer to page 26.

Sample connection



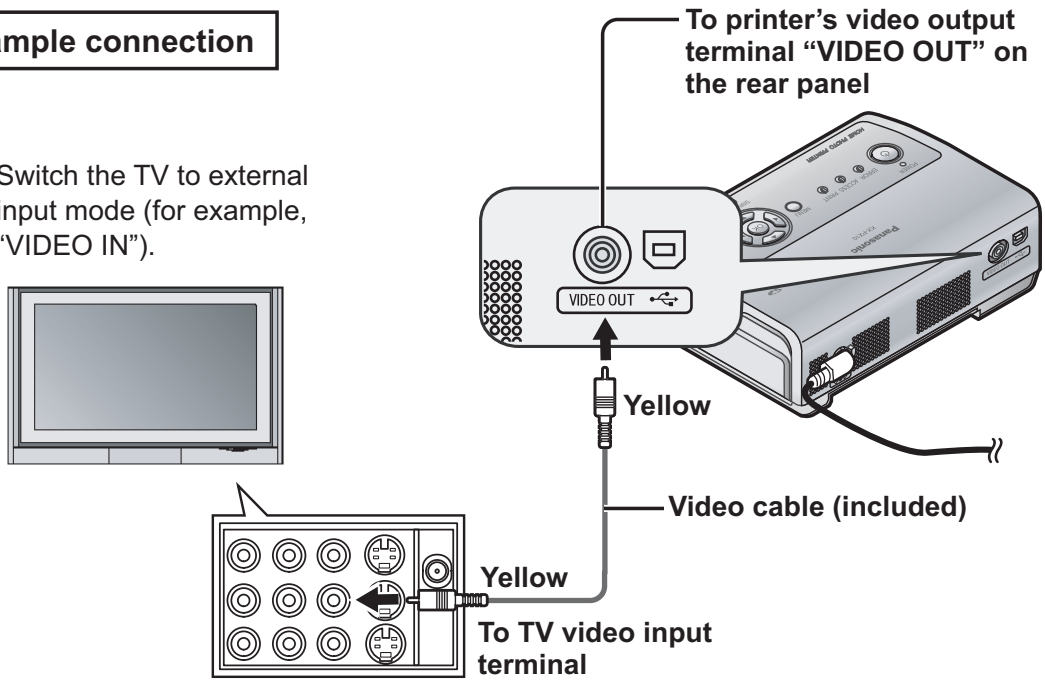
Connect the camera to the printer using the USB cable provided with the digital camera.

Connecting the printer to a TV

You can print images recorded on an SD Memory Card or MultiMediaCard while viewing them on a TV screen.

For details on printing operation, refer to page 28.

Sample connection

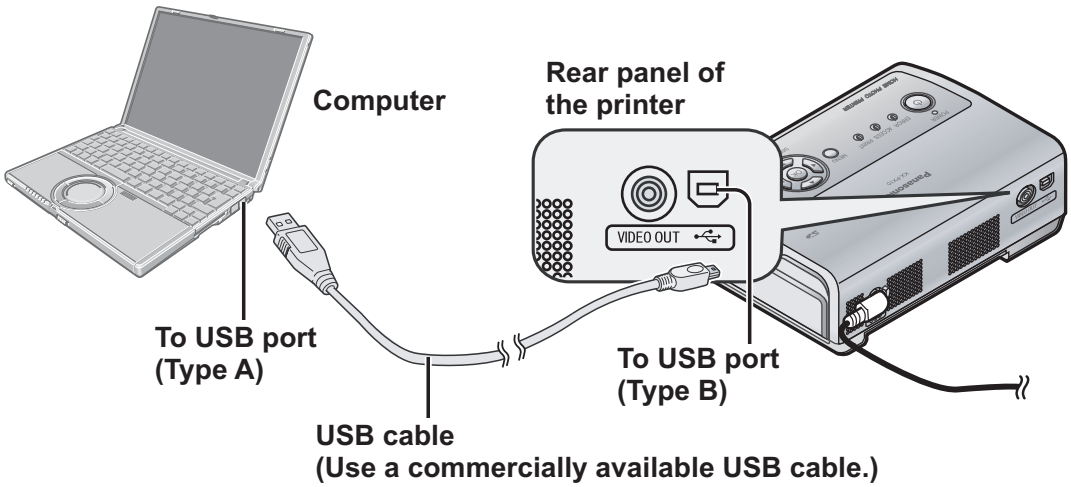


Connecting the printer to a computer

You can connect the printer to a computer to print recorded images.

It is necessary to install a printer driver when connecting to a computer for the first time (☞ p. 85).

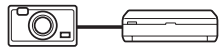
Sample connection



Warning:

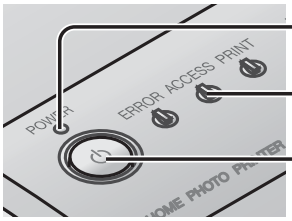
To assure continued emission limit compliance, use only shielded USB cable (6.5′ (2 m) or less in length).

PictBridge Printing with a Digital Camera



You can connect the printer to a PictBridge compatible digital camera or digital video camera to print recorded images. An example of connecting to the Panasonic digital camera LUMIX (DMC-FX9) is described here.

• Printer



1 Insert the memory card into the digital camera.

2 Turn the digital camera on and set it to PictBridge mode.

- For details on how to operate the digital camera, refer to the digital camera's operating instructions.

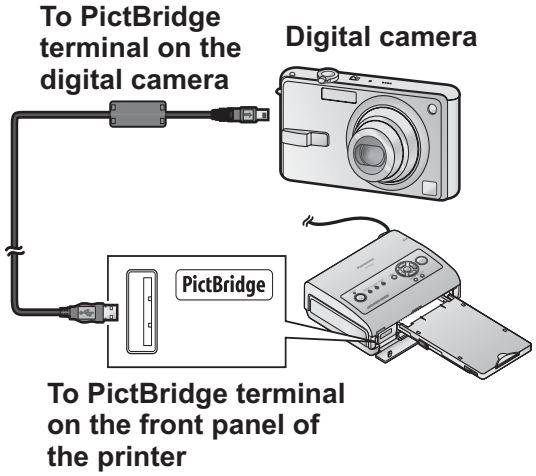
3 Turn the printer on.

- Press the POWER button on the remote control or the printer.
- The POWER lamp on the printer lights up in green.
  Press the POWER button again to turn off power. The POWER lamp lights up in red (standby mode).

4 Connect the digital camera to the printer using the USB cable provided with the digital camera.

- Do not connect the digital camera to the printer when the printer is processing a print job, as print quality may be reduced.
- The ACCESS lamp on the printer blinks twice.

Sample connection



5 **Follow the on-screen instructions on the digital camera to proceed the printing operation.**

6 **When printing has finished, turn the printer off and disconnect the USB cable.**

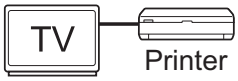
Important

- Connect only PictBridge compatible devices to the PictBridge terminal.
- Do not disconnect the cable or turn off the power while the ACCESS lamp is lit. (This may damage the data or could result in a malfunction of the printer.)
- Refer to the digital camera's operating instructions for a description of PictBridge operations.

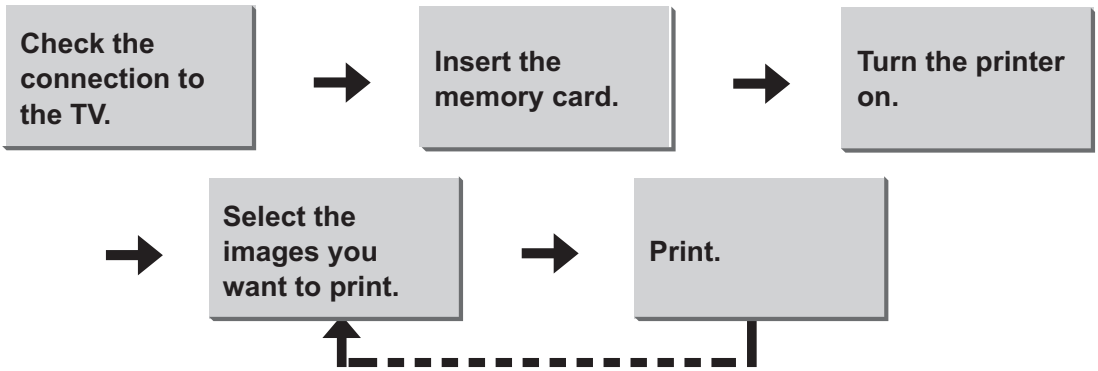
Note

- Certain PictBridge compatible devices may not operate correctly with this printer.
- If an error occurs, depending on the model, the digital camera may not display or operate properly. Turn the camera and printer off and then turn them back on.
- TIFF format images cannot be printed directly from PictBridge compatible devices such as digital cameras (☞ p. 104).
- When printing images with DPOF settings from PictBridge compatible devices, settings such as the date are controlled by the DPOF setting.
- Settings on the printer driver (☞ p. 85) have no effect when printing directly from PictBridge compatible devices.
- When printing from a PictBridge compatible devices, image adjustments made on the printer side are disabled.

Printing with a TV



You can print images stored on SD Memory Card or MultiMediaCard with this printer.
The printing procedure is shown below.
Do not change the paper size during operations. Otherwise, printing will be impossible.



Commands can be issued during printing.

- About usable memory cards
  This printer supports SD Memory Cards, MultiMediaCards, and miniSD Memory Cards (adaptor required).
- Image formats that can be displayed/printed
  This printer is able to display and print JPEG and TIFF format images. However, there are cases when these format images cannot be displayed or printed. No image will be displayed in this case. For details, refer to “Compatible Memory Card” on page 104.
- You can set number of copies.

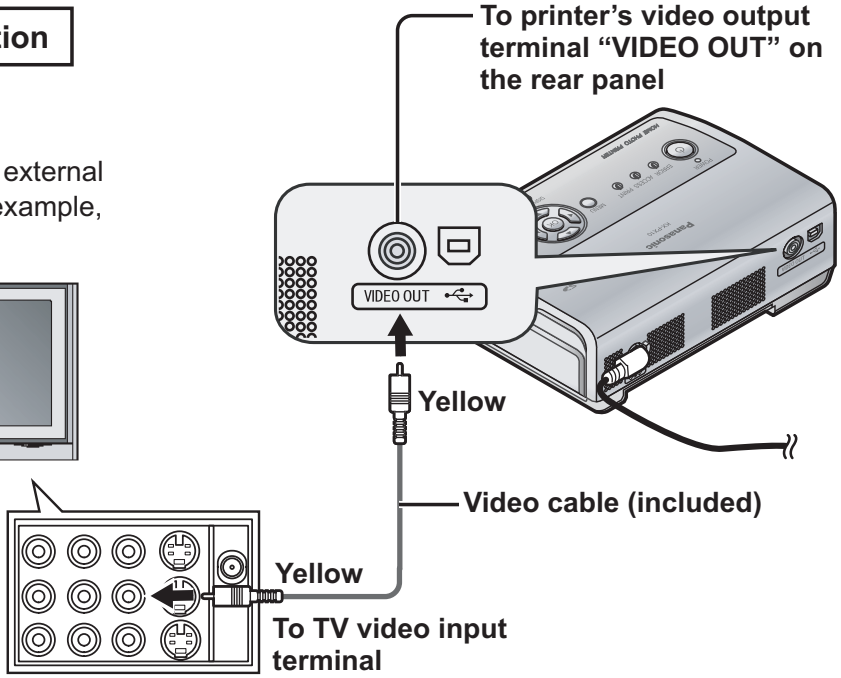
Before operation

Perform the procedures in “Preparation” (☞ p. 15 – 25).

Checking the connection to a TV

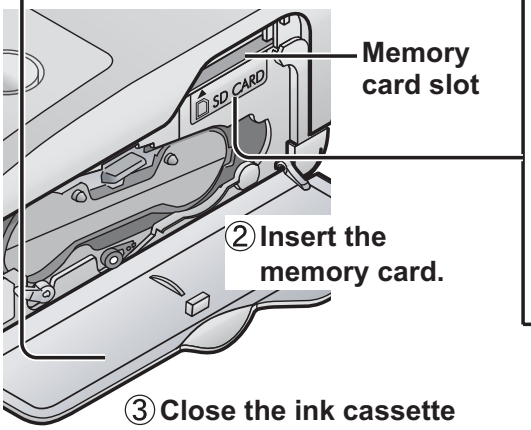
Sample connection

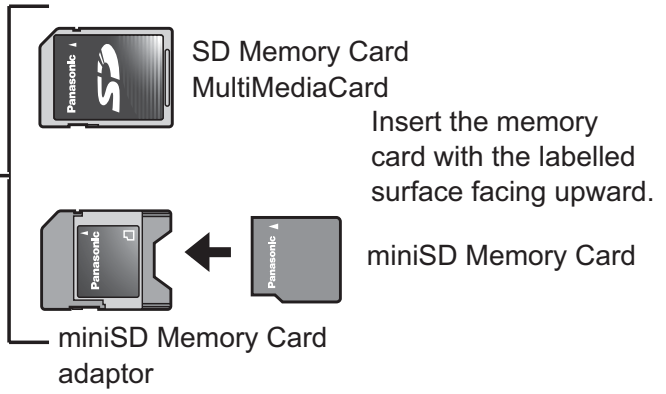
Switch the TV to external input mode (for example, “VIDEO IN”).



Inserting a memory card

• SD Memory Card and MultiMediaCard are not provided with the printer.





First insert the miniSD Memory Card into the card adaptor. Then insert the card adaptor into the memory card slot.

Important

- Push the memory card all the way in until it clicks into place.
- Do not remove the memory card when displaying images stored on the memory card on a TV.
- To remove the card, push the card in and release.
- To print from a PictBridge compatible device, such as a digital camera, connected directly to the printer, insert the memory card into the device.

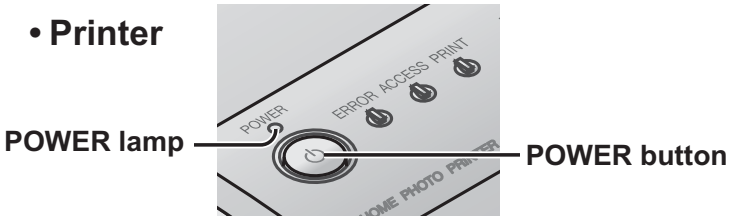
Note

This printer does not support SD Memory Card having more than 2 GB in memory. However, accidental insertion of an SD Memory Card having more than 2 GB in memory will not result in damage to the memory card.

Turning the power on

Press the POWER button. POWER lamp on the printer will light up in green.

• Printer

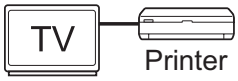


Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

Turning off the power

Press the POWER button again. POWER lamp on the printer lights up in red (standby mode).

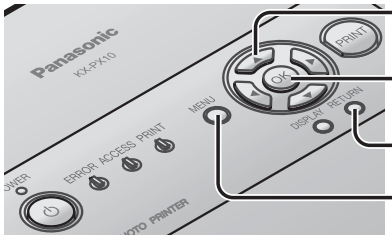
Printing with a TV (continued)



Changing the language

You can change the language used for the setting screen.

• **Printer**



Direction buttons

OK

RETURN

MENU

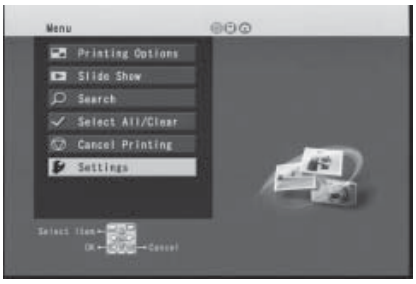
Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

• The direction buttons are represented in this manual as follows.

	Press Up, Down, Left or Right.
	Press Up or Down.
	Press Left or Right.

1 **Press MENU (MENU).**

2 **Press ◯ to select [Settings] and press OK (OK).**



3 **Press ◯ to select [Device Settings] and press OK (OK).**

4 **Press ◯ to select [Language] and press OK (OK).**

5 **Press to select the language to be used and press OK (OK).**

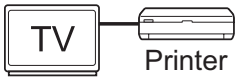
6 **Press to select [OK] and press OK (OK).**

- If you select [Cancel] and press OK (OK) or press RETURN (RETURN), changes will not be applied.

7 **If a screen shown to the right is displayed, press to select [Yes] and press OK (OK).**

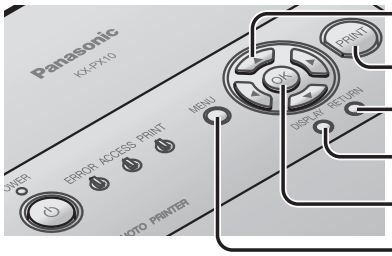
- **Settings will be enabled after the printer is restarted.**

Printing with a TV (continued)



Printing single image

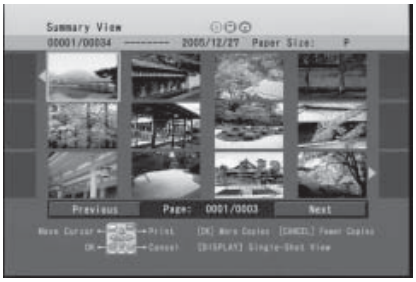
• **Printer**



Direction buttons
PRINT
RETURN
DISPLAY
OK
MENU

Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

1 **Press ◄►▲▼ to move the cursor and select the image you want to print.**



2 **Press PRINT (PRINT).**

3 **Check the preview.**
Then press PRINT (PRINT).
Or press ◄►▲▼ to select [Print] and press OK (OK).

- Printing begins.
- For details on [Print Settings], refer to page 42, 82.
- For details on [Image Adjustment], refer to page 48.
- For details on [Zoom/Rotate], refer to page 67.

"Print" screen

●To stop print job midway

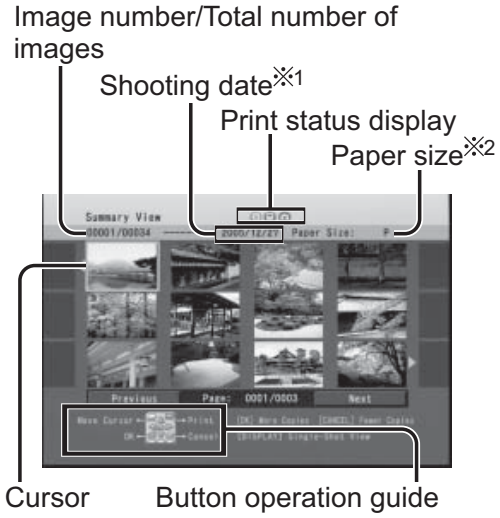
① Press MENU (MENU).

② Press ▲▼◀▶ to select [Cancel Printing] and press OK (OK).

③ Press ◀▶ to select [Yes] and press OK (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Image display



Summary View

Single-Shot View

●To change pages

- When displaying a “Summary View” display

  Press ▲▼◀▶ to select [Previous] or [Next] and press OK (OK).

- When displaying a “Single-Shot View” display

  Press ◀▶.

※1 The date of the file will be displayed for images that do not include shooting date information.

※2 “P” is displayed for the postcard size paper. “W” is displayed for the wide size paper.

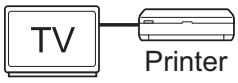
●To switch display

You can switch between “Single-Shot View” display and “Summary View” display by pressing DISPLAY (DISPLAY).

Note

- It may take some time until the images are displayed depending on the type of memory card and image format.
- Depending on the type of the memory card used, the image may appear flickered on the TV screen or white bands may appear around the image. This has no effect on the printed image.

Printing with a TV (continued)

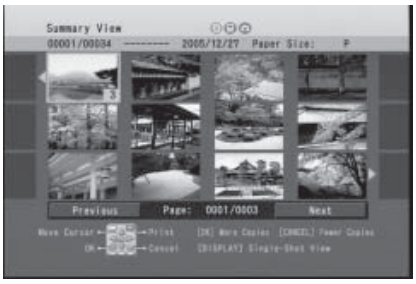


Printing multiple images

1 **Press ⊕ to move the cursor and select the image you want to print.**

2 **Press OK (OK) for the number of copies you want.**

- The number of copies will increase one by one each time you press this button.
- Up to 10 copies can be set for each image.



●To reduce the number of copies

Press ⊕ to select the image and press RETURN (RETURN).

- Each time you press this button, the number of copies is reduced by one.

●To cancel all settings regarding number of copies

Refer to page 61.

3 **Repeat steps 1 and 2 to specify the number of copies for images you want to print.**

4 **Press PRINT (PRINT).**

5

Check the preview.

Then press PRINT (PRINT).

Or press ◯ to select [Print] and press OK (OK).

- Printing begins.
- The first image is displayed in the preview.
- For details on [Print Settings], refer to page 42, 82.
- For details on [Image Adjustment], refer to page 48.

●To stop print job midway

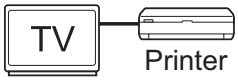
① Press MENU (MENU).

② Press ◯ to select [Cancel Printing] and press OK (OK).

③ Press ◯ to select [Yes] and press OK (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Printing with a TV (continued)

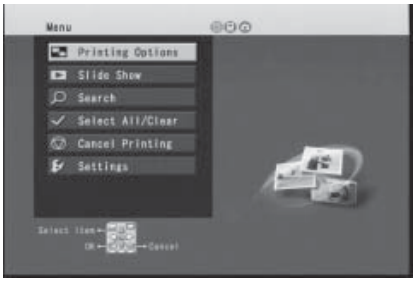


Printing all images on a memory card

You can print all images on a memory card, one image per sheet.

1 **Press MENU (MENU).**

2 **Press to select [Printing Options] and press OK (OK).**



3 **Press to select [All Images] and press OK (OK).**

4 **Check the preview.**
Then press PRINT (PRINT).
Or press to select [Print] and press OK (OK).

- Printing begins.
- The first image is displayed in the preview.
- For details on [Print Settings], refer to page 42, 82.
- For details on [Image Adjustment], refer to page 48.

●To stop print job midway

① Press MENU (MENU).

② Press to select [Cancel Printing] and press OK (OK).

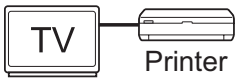
③ Press to select [Yes] and press OK (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Note

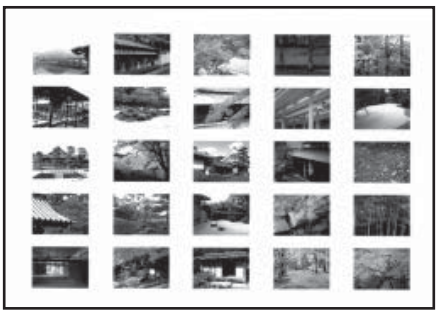
- Up to 99 sheets can be printed by one operation.
- To increase or decrease the number of copies to be made of each image, refer to “Selecting All Images” (☞ p. 60).

Printing with a TV (continued)



Printing an index

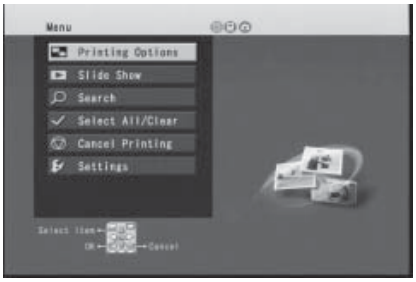
You can print an index of images on the memory card, showing 25 thumbnail images per sheet of paper (30 thumbnail images when using wide size paper).



Index print

1 **Press MENU (MENU).**

2 **Press ▲▼ to select [Printing Options] and press OK (OK).**



3 **Press ▲▼ to select [Index] and press OK (OK).**

4 **Check the preview.**

Then press (PRINT).

Or press to select [Print] and press (OK).

- Printing begins.
- You can select [ON] or [OFF] in the [Date] setting.
- You can select [Oldest to Newest] or [Newest to Oldest] in the [Print Order] setting.

●To stop print job midway

① Press MENU (MENU).

② Press to select [Cancel Printing] and press (OK).

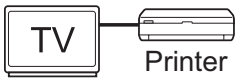
③ Press to select [Yes] and press (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Note

- Each image is printed as one thumbnail on an index.
- You cannot set the number of copies for index.

Printing with a TV (continued)



Printing using DPOF settings

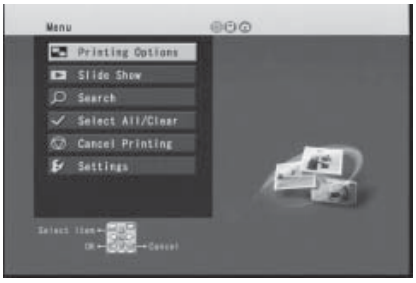
You can select the images to be printed and the number of copies to be made using a DPOF compatible digital video camera or digital camera. When you have inserted a memory card containing DPOF settings into the printer, you can print images according to the setting.

Before operation

Insert the memory card containing images with DPOF settings into the printer (☞ p. 29).

1 **Press MENU (MENU).**

2 **Press to select [Printing Options] and press OK (OK).**



3 **Press to select [DPOF] and press OK (OK).**

4 **Press to select [Yes] and press OK (OK).**

- Printing begins.
- Images are printed using the settings (number of copies, date etc.) specified in the camera or DPOF compatible software.

●To stop print job midway

① Press MENU (MENU).

② Press to select [Cancel Printing] and press OK (OK).

③ Press to select [Yes] and press OK (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Note

- Settings in the [Print Settings] (☞ p. 42, 82) and [Image Adjustment] (☞ p. 48) are not reflected in DPOF printing.
- You cannot apply DPOF settings to images using this printer.
- Up to 10 copies per image can be printed when using DPOF printing.
- DPOF is an abbreviation for Digital Print Order Format. You can add print information, etc. to images stored on memory cards by using digital video cameras and digital cameras and use that information in other DPOF compatible devices.

Print Settings

TV — Printer

• **Printer**

Direction buttons

PRINT

RETURN

OK

Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

Printing date

You can print image date information (including the shooting date) on the lower right corner of the image.

1 **Press ◄► to select [Print Settings] on the "Print" screen and press OK (OK).**

2 **Press ◄► to select [Date] and press OK (OK).**

3 **Press ◄► to select [ON] and press OK (OK).**

4 Press ⊕ to select [OK] and press (OK) (OK).

- If you select [Cancel] and press (OK) (OK) or press RETURN (RETURN), changes will not be applied.

Note

- Factory setting for [Date] is [OFF].
- Date is not displayed on images displayed on screen.
- To print an image without date information, set [Date] to [OFF] in the [Print Settings].
- If you want to print all images using the same settings, select [Settings] → [Print Settings] on the “Menu” screen and change the desired items (☞ p. 55, “Saving Settings”).
- You cannot print date for images with no date information stored on a memory card.
- The date information printed for images edited and saved on a computer will differ from the actual image shooting date.

Print Settings (continued)

TV — Printer

Borderless printing

You can select whether to print images with borders or not.

1 **Press ▲▼◀▶ to select [Print Settings] on the "Print" screen and press OK (OK).**

2 **Press ▲▼◀▶ to select [Borders] and press OK (OK).**

3 **Press ▲▼◀▶ to select [ON] or [OFF] and press OK (OK).**

4 **Press ▲▼◀▶ to select [OK] and press OK (OK).**

- If you select [Cancel] and press OK (OK) or press RETURN (RETURN), changes will not be applied.

With borders

Whole part of the image is printed on the paper with margins on the paper edges.

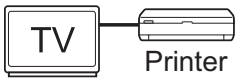
Borderless

Part of the image is cut off and there is no margin spacing on the paper edges.

Note

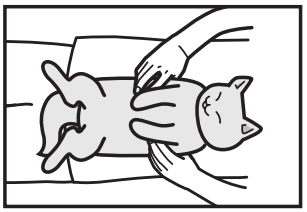
- Factory setting for [Borders] is [OFF].
- If you want to print all images using the same settings, select [Settings] → [Print Settings] on the “Menu” screen and change the desired items (☞ p. 55, “Saving Settings”).

Print Settings (continued)



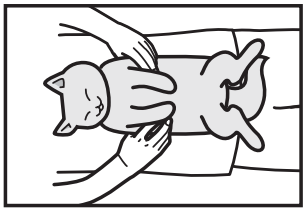
Rotating image 180°

You can rotate the image 180 degrees.



Upper side of the image appears on the right.

Rotate image 180°



Upper side of the image appears on the left.

1 **Press ▲▼ to select [Print Settings] on the "Print" screen and press OK (OK).**

2 **Press ▲▼ to select [Rotate Image] and press OK (OK).**

3 **Press ▲▼ to select [ON] and press (OK) (OK).**

4 **Press ▲▼◀▶ to select [OK] and press (OK) (OK).**

- If you select [Cancel] and press (OK) (OK) or press RETURN (RETURN), changes will not be applied.

Note

- Factory setting for [Rotate Image] is [OFF].
- To cancel the [Rotate Image] setting, set it to [OFF] in [Print Settings].
- If you want to print all images using the same settings, select [Settings] → [Print Settings] on the "Menu" screen and change the desired items (☞ p. 55, "Saving Settings").

Image Adjustment

TV — Printer

You can adjust the image quality on “Image Adjustment” screen.

• Printer

Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

1 **Press ◄►▲▼ to select [Image Adjustment] on the “Print” screen and press OK (OK).**

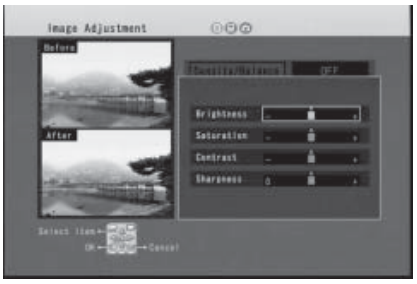
2 **Press ◄►▲▼ to select the item to be changed and press OK (OK).**

- For details on [Image Adjustment] items, refer to page 50.

3 **Select an option and press OK (OK).**

- When changing [Effect] and [Auto Mode] settings, go to step **6**.
  When changing [Other Settings], go to step **4**.

4 **After you have made image adjustment, press OK (OK).**

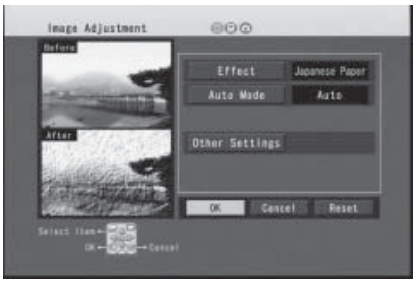


5 **Press ◯ to select [OK] and press OK (OK).**

- If you select [Cancel] and press OK (OK) or press RETURN ◯ (RETURN), changes will not be applied.
- Select [Reset] and press OK (OK) to return to saved settings.

6 **Press ◯ to select [OK] and press OK (OK).**

- If you select [Cancel] and press OK (OK) or press RETURN ◯ (RETURN), changes will not be applied.
- Select [Reset] and press OK (OK) to return to saved settings.



Continued on next page

Image Adjustment (continued)

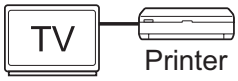


Image Adjustment items

●Effect

Gives special effects to an image when printed. You can select from the following items.

Item	Result
OFF	Prints images without special effects.
Warm Monochrome	Prints images with a warm monochrome effect.
Cool Monochrome	Prints images with a cool monochrome effect.
Sepia	Prints images with a sepia effect.
Warm	Prints images emphasizing warm colors.
Cool	Prints images emphasizing cool colors.
Soft Portrait	Prints images with a portrait effect.
Embossed Heart	Prints images with background pattern of hearts.
Oil Painting	Prints images so they resemble oil paintings on canvas.
Japanese Paper	Prints images as if drawn on Japanese paper.
Convex Sphere	Prints images so they appear convex.
Concave Sphere	Prints images so they appear concave.

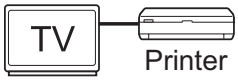
●Auto Mode

Automatically adjusts the brightness and contrast.

Item	Result
OFF	No brightness/contrast adjustment.
Auto	Adjusts image brightness/contrast automatically.
Soft Skin	Adjusts image brightness/contrast to make skin appear smoother.
Vividness	Adjusts image brightness/contrast to print more vividly.
Night Scenery	Adjusts image brightness/contrast to print night scenery with a more natural balance between dark and light positions.

Continued on next page

Image Adjustment (continued)



●Other Settings

Set brightness and contrast values to suit your taste. (Density/Balance, Color Levels, White Balance, Noise Reduction)

Item	Result
Density/Balance	Adjusts image brightness, color saturation, contrast, edge sharpness. • Brightness: Adjusts image brightness. • Saturation: Adjusts image color brilliance. • Contrast: Adjusts image brightness contrast. • Sharpness: Adjusts image contours.
Color Levels	Adjusts image color tones. Select a color from the color palette.
White Balance	Adjusts colors more naturally according to light source. Select [OFF] or [Auto].
Noise Reduction	Reduces the noise in images shot in dark places. Select [OFF] or [ON].

Note

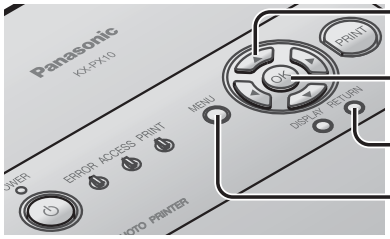
- Factory settings for [Effect] is [OFF], [Auto Mode] is [Auto], [Noise Reduction] is [ON] and other settings are [OFF].
- If you want to print all images using the same settings, select [Settings] → [Image Adjustment] on the “Menu” screen and change the desired items (☞ p. 55, “Saving Settings”).
- The image on the preview screen is not exact print image, just for your references.
- Adjustments made to the TV display do not affect the print quality.

Device Settings

TV — Printer

You can change the print date format, language used for the setting screen and TV aspect ratio.

• **Printer**



Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

1 **Press MENU (MENU).**

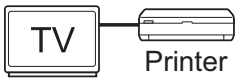
2 **Press ▲▼◀▶ to select [Settings] and press OK (OK).**

3 **Press ▲▼◀▶ to select [Device Settings] and press OK (OK).**

4 **Press ▲▼◀▶ to select the item to be changed and press OK (OK).**
Press ▲▼◀▶ to select the desired option on the option select screen and press OK (OK).

Continued on next page

Device Settings (continued)



5

Press to select [OK] and press OK (OK).

- If you select [Cancel] and press OK (OK) or press RETURN (RETURN), changes will not be applied.
- **When changing the [Language] and [TV Aspect] settings**
  If a screen shown to the right is displayed, select [Yes] and press OK (OK).
- **Settings will be enabled after the printer is restarted.**

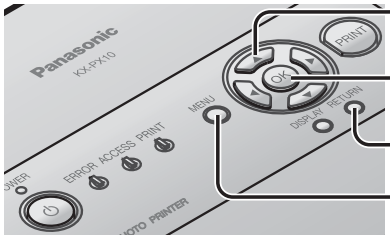
Item	Description	Setting options (Bold item indicates initial setting)
Date Format	Specifies print date format as year (YYYY), month (MM) and day (DD).	YYYY/MM/DD DD/MM/YYYY **MM/DD/YYYY**
Language	Changes the display language.	Japanese **English** Français (French) Franç. (Canada) (Canadian French) Deutsch (German) Italiano (Italian) Español (Spanish)
TV Aspect	Changes the aspect ratio of the TV screen. Select the aspect ratio that matches your TV.	**4:3** 16:9

Saving Settings

TV — Printer

You can save the customized settings in [Print Settings] and [Image Adjustment]. These settings will be saved even if the printer's power is turned off.

• Printer



Direction buttons
OK
RETURN
MENU

Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

1 **Press MENU (MENU).**

2 **Press ▲▼◀▶ to select [Settings] and press OK (OK).**

3 **Change various setting.**

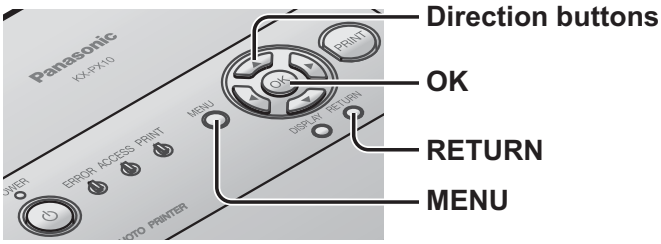
- For details on [Print Settings], refer to page 42, 82.
- For details on [Image Adjustment], refer to page 48.
- For details on [Device Settings], refer to page 53.

Restoring Default Settings

TV — Printer

Performing this operation initializes all settings to the default values (factory settings).

• **Printer**



Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

1 **Press MENU (MENU).**

2 **Press ▲▼ to select [Settings] and press OK (OK).**

3 **Press ▲▼ to select [Defaults] and press OK (OK).**

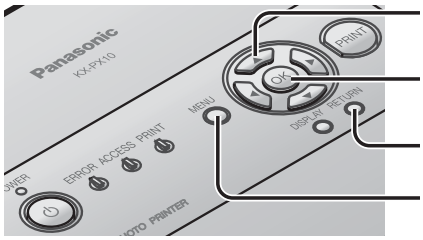
4 **Press ◄► to select [Yes] and press OK (OK).**

- For details on those settings which will be initialized and the factory settings, refer to page 105.

Searching for Images

TV — Printer

• **Printer**



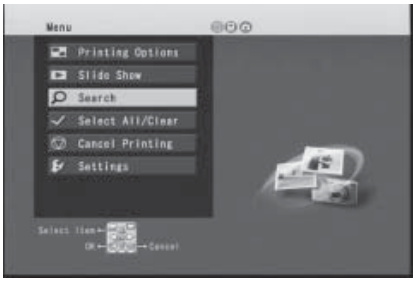
Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

Searching for images by date

You can search for images within a specified period and display these images in “Summary View” display.

1 **Press MENU (MENU).**

2 **Press ▲▼◀▶ to select [Search] and press OK (OK).**



3 **Press ▲▼◀▶ to select [Search by Date] and press OK (OK).**

Advanced Operations

Continued on next page

Searching for Images (continued)

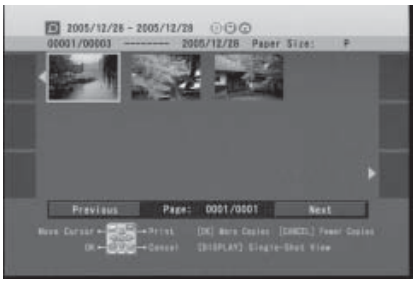
TV — Printer

4 Specify the start date and end date.

	Moves within the date items (year, month, day).
	Specifies year, month, day.

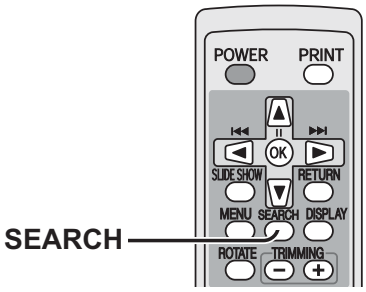
5 Press (OK) (OK).

- When the search has finished, a list of images that fall within the specified range appears. If no images fall within the specified period, “No images were found” is displayed and the display will return to the screen shown in **4**.



●When using the remote control

① Press the [SEARCH] button on the remote control.
② Select [Search by date] and press [OK] button.
③ Set the start date and end date to use in the search.
④ Press [OK] button.



Note

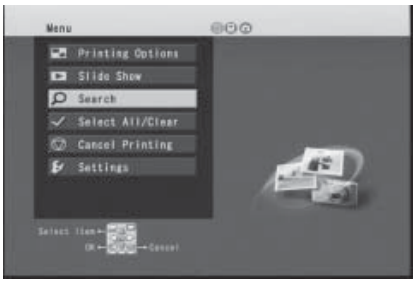
- The previously selected setting for the number of copies to be made of the image will be cancelled when an image is selected using the [Search by Date] feature.
- The date information printed for images edited and saved on a computer may differ from the actual image shooting date.
- Specifiable range from 1980 January 1 to 2029 December 31.

Exiting search mode

To return to a “Summary View” display of all images, perform the following procedures.

1 **Press MENU (MENU).**

2 **Press ▲▼◀▶ to select [Search] and press OK (OK).**

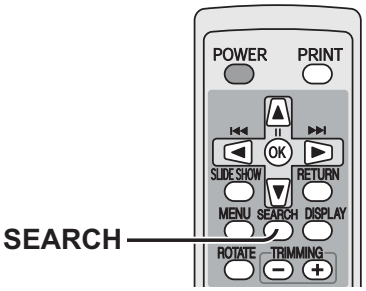


3 **Press ▲▼◀▶ to select [Cancel Search] and press OK (OK).**

●When using the remote control

① Press the [SEARCH] button on the remote control.

② Select [Cancel Search] and press [OK] button.



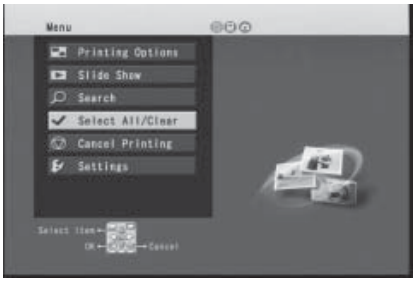
Selecting All Images

TV Printer

You can set the number of copies for all images on the memory card to a single print.
After you have selected all images, you can increase or decrease the number of copies to be made for each separate image (☞ p. 34).

1 **Press MENU (MENU).**

2 **Press ▲▼ to select [Select All/Clear] and press OK (OK).**



3 **Press ▲▼ to select [Select All Images] and press OK (OK).**

4 **Press ◄► to select [Yes] and press OK (OK).**

To clear the number of copies for all images

You can set the number of copies for all images to 0.

1 **Press MENU (MENU).**

2 **Press ▲▼ to select [Select All/Clear] and press OK (OK).**

3 **Press ▲▼ to select [Clear All] and press OK (OK).**

4 **Press ◀▶ to select [Yes] and press OK (OK).**

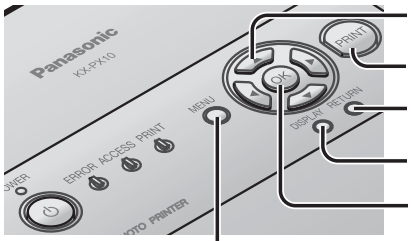
Slide Show

TV Printer

The slide show features is used to display images on the memory card one-by-one for a specified period of time each.
You can change the display time for each image in the [Slide Show Settings].

Slide Show display

• Printer



Direction buttons
PRINT
RETURN
DISPLAY
OK
MENU

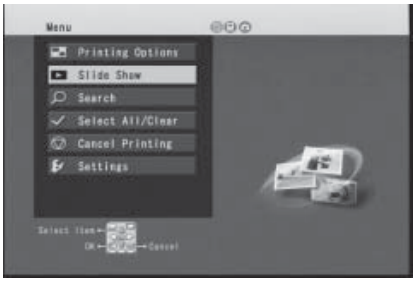
Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

Starting a slide show

You can start a slide show from the first image on the memory card.

1 **Press MENU (MENU).**

2 **Press ▲▼◀▶ to select [Slide Show] and press OK (OK).**



3

Press ▲▼ to select [Start Slide Show] and press OK (OK).

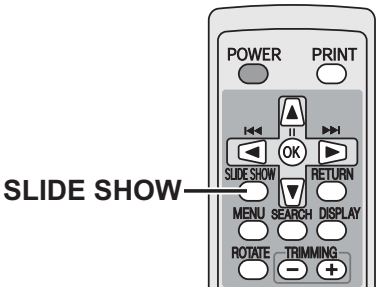
- To print the currently displayed image, press PRINT (PRINT).

Button functions during a slide show

Button	Function
◀ ▶	Previous image/Next image
OK	Pause/Resume
DISPLAY	Operation guide On/Off
RETURN	Stops slide show.
PRINT	Prints currently displayed image.

●When using the remote control

Press [SLIDE SHOW] button on the remote control to start the slide show.



Slide Show (continued)

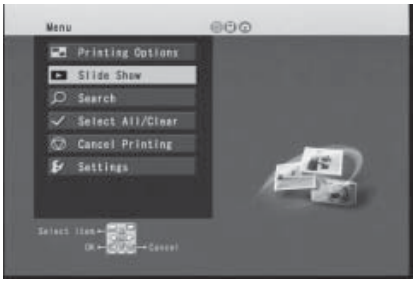
TV Printer

Slide show of selected images

To display only a selected images in a slide show, first select the images from the “Summary View” display (☞ p. 33).

1 **Press MENU (MENU).**

2 **Press ▲▼◀▶ to select [Slide Show] and press OK (OK).**



3 **Press ▲▼◀▶ to select [Selected Images] and press OK (OK).**

- The slide show of the selected images start.

Important

Do not remove the memory card while an image is being displayed. This may damage the memory card or render the memory card inoperable.

Note

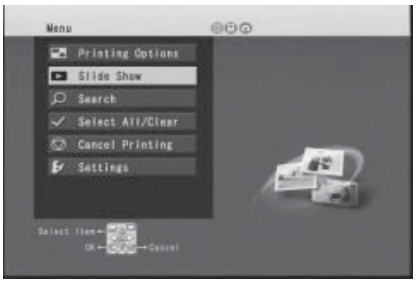
It may take some time until the image is displayed, depending on the size of the images. The displayed time may also be longer than the setting time.

Slide show settings

You can make changes to the various slide show settings in the [Slide Show Settings].

1 **Press MENU (MENU).**

2 **Press ▲▼ to select [Slide Show] and press OK (OK).**

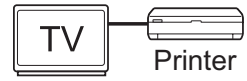


3 **Press ▲▼ to select [Slide Show Settings] and press OK (OK).**

4 **Press ▲▼ to select the item you want to change and press OK (OK).**

Continued on next page

Slide Show (continued)



5 **Press to select the desired option and press OK (OK).**

6 **Press to select [OK] and press OK (OK).**

- If you select [Cancel] and press OK (OK) or press RETURN (RETURN), changes will not be applied.

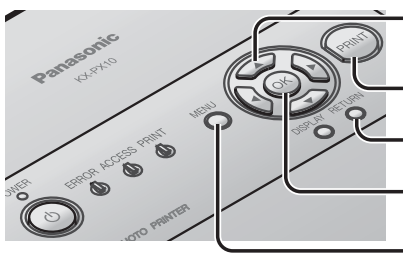
Item	Description	Setting options (Bold item indicates initial setting)
Interval	Specifies the display time for an image.	3 seconds, **5 seconds**, 7 seconds, 10 seconds
Pattern	Specifies the transition effect.	**Normal:** Switches images quickly. Pattern 1: Switches images from top to bottom. Pattern 2: Switches images from the center toward the outside. Pattern 3: Switches images with a mosaic effect. Random: Randomly switches the Pattern 1 through 3 and Pattern 4 (where images are switched from the outside toward the center).
Operation Guide	Toggles the display of the operation guide shown on the slide show screen.	**ON**, OFF

Trimming/Rotating Images

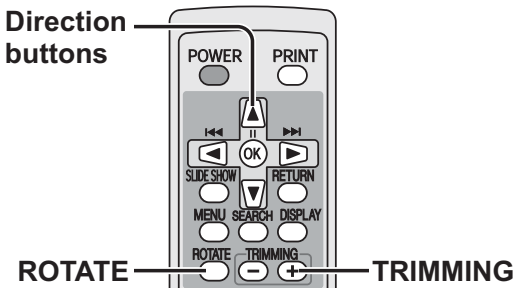
TV — Printer

You can reduce/enlarge or rotate an image and print. These settings are available on the “Print” screen (☞ p. 32).

• Printer



• Remote control



1 **Press ◆ to select [Zoom/Rotate] on the “Print” screen and press OK (OK).**

- [Zoom/Rotate] is not displayed when multiple images have been selected.

2 **Reduce, enlarge, rotate and move image to match the printout image displayed.**

Button functions when changing zoom/rotate

Button	Function
−	Reduces an image. (Can be reduced up to 20%)
+	Enlarges an image. (Can be enlarged up to 500%)
ROTATE	Each time you press this button, image rotates 90° clockwise.
◆	Adjusts image position.
RETURN	Cancels editing.

- **Use the remote control to reduce/enlarge or rotate an image. These features cannot be controlled on the main unit.**

Continued on next page

Trimming/Rotating Images (continued)

TV — Printer

3 **Press (OK) (OK) when finished editing the image.**

• A preview is displayed.

4 **Press (PRINT). Or press to select [Print] and press (OK) (OK).**

●To stop print job midway

① Press MENU (MENU).

② Press to select [Cancel Printing] and press (OK).

③ Press to select [Yes] and press (OK).

• The printing for the paper currently being printed will be completed and subsequent printing is halted.

Note

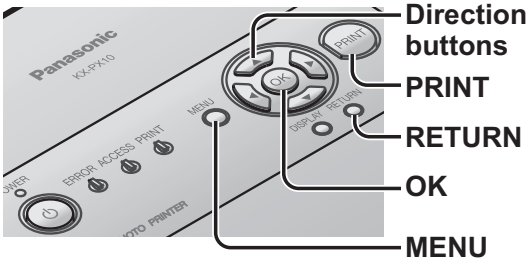
- You cannot save the enlarged/reduced or rotated images. When the image printing has finished, changes will be cleared.
- When enlarging an image, the image quality will deteriorate. The quality of an image displayed on a TV screen may differ from that of the actual print.
- When you have set [Date] and [LUMIX Baby] both to [ON] and edited an image, sometimes the date and LUMIX Baby mode information will not be printed depending on the image position. (The result of printing will sometimes differ from the preview.)

Creating Calendars

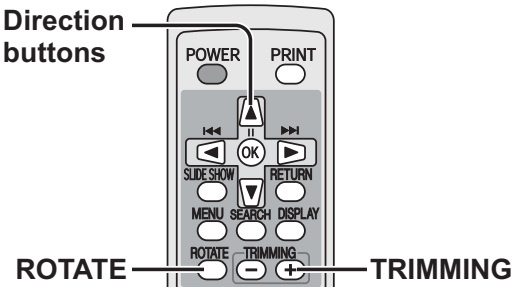
TV — Printer

You can create original calendars with your favorite images.
Do not change the paper size during operations. Otherwise, printing will become impossible.

• Printer



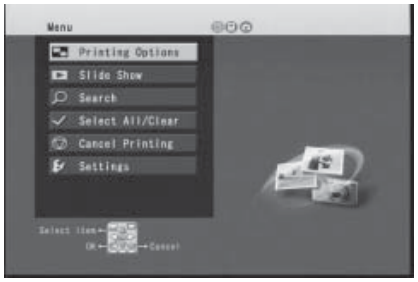
• Remote control



1 Select layout.

1 Press MENU (MENU).

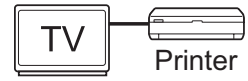
2 Press ⊕ to select [Printing Options] and press OK (OK).



Advanced Operations

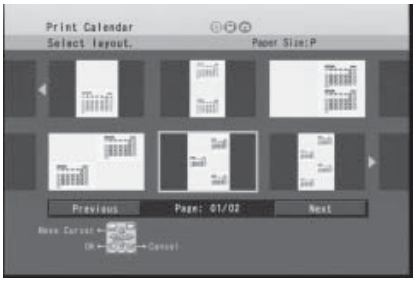
Continued on next page

Creating Calendars (continued)



3 **Press to select [Calendar] and press OK (OK).**

4 **Press to select the desired layout and press OK (OK).**



5 **Press to select [Start Year/ Month] and press OK (OK).**

6 **Specify the start year and month, and press OK (OK).**

	Moves between the year and month setting items.
	Sets the year or month.

7 Press ▲▼ to select [Start Day] and press OK (OK).

8 Press ▲▼ to select the start day of week and press OK (OK).

9 Press ◀▶ to select [OK] and press OK (OK).

Continued on next page

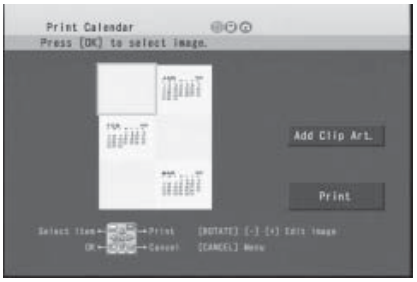
Creating Calendars (continued)

TV — Printer

2 Select image.

1 **Press ◆ to select the image insert position and press (OK) (OK).**

- The selected image position is outlined with a yellow border.



2 **Press ◆ to select an image and press (OK) (OK).**

- To switch to “Single-Shot View” display, press DISPLAY (DISPLAY).

3 **Edit the image using (−) (+) (Reduce/Enlarge), ROTATE (Rotate), ◆ (Move) and press (OK) (OK).**

- The image during editing is outlined with a blue border.
- **Use the remote control to reduce/ enlarge or rotate an image. These features cannot be controlled on the main unit.**

3 Add clip art.

1 **Press ◉ to select [Add Clip Art.] and press OK (OK).**

- Up to 8 clip art can be applied.

2 **Press ◉ to select clip art and press OK (OK).**

3 **Edit the clip art using − + (Reduce/Enlarge), ROTATE (Rotate), ◉ (Move) and press OK (OK).**

- The clip art during editing is outlined with a blue border.
- **Use the remote control to reduce/ enlarge or rotate an image. These features cannot be controlled on the main unit.**
- When you press OK (OK), the border for the clip art will disappear.

Continued on next page

Creating Calendars (continued)

TV — Printer

4 Print.

1 **Press (PRINT) (PRINT).**
Or press to select [Print] and press (OK) (OK).

2 **Press to select [Yes] and press (OK) (OK).**

- Printing begins.
- The display will return to the “4 Print”, step **1** when printing starts. (The same screen appears when you select [No].)

●To stop print job midway

① Press RETURN (RETURN).

② Press to select [Yes] and press (OK) (OK).

③ Press RETURN (RETURN).

④ Press to select [Cancel Printing] and press (OK) (OK).

⑤ Press to select [Yes] and press (OK) (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

To return to the “Menu” screen

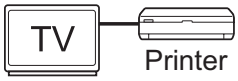
① Press RETURN (RETURN).

② Press to select [Yes] and press OK (OK).

Note

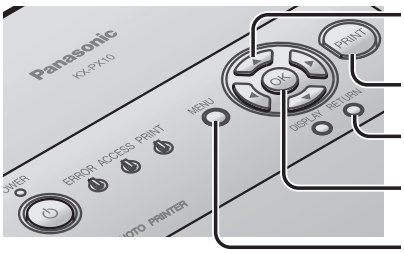
- The preview is not exact print image. Actual printouts may differ from the preview.
- The yellow border surrounding images is not printed.
- You cannot change [Print Settings] items (☞ p. 42, 82) while creating a calendar.
- To adjust the image quality while creating a calendar, select [Settings] → [Image Adjustment] on the “Menu” screen (☞ p. 55, “Saving Settings”).
- [Image Adjustment] settings can be made only for images while creating a calendar.

Composite Printing

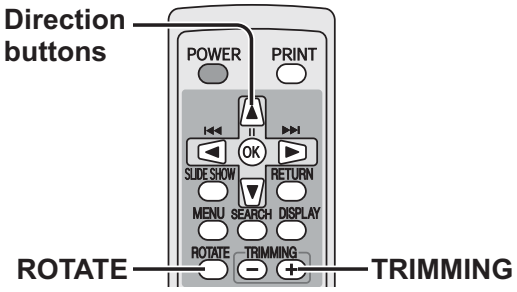


You can create composite images, by adding a frame and clip art.
Do not change the paper size during operations. Otherwise, printing will become impossible.

• Printer



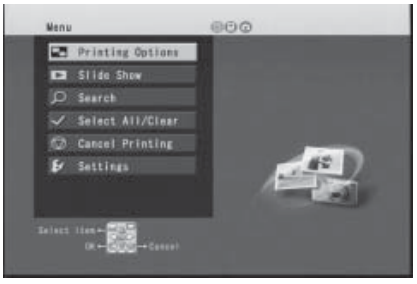
• Remote control



1 Select layout.

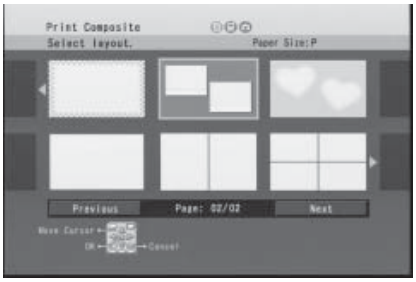
1 Press MENU (MENU).

2 Press ◯ to select [Printing Options] and press OK (OK).



3 Press ▲▼ to select [Composite] and press OK (OK).

4 Press ◀▲▼▶ to select the desired layout and press OK (OK).



Continued on next page

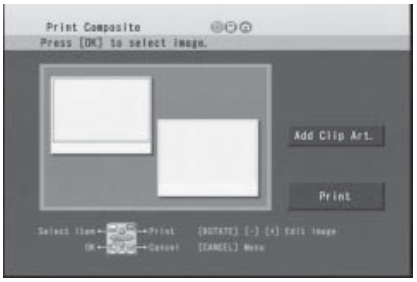
Composite Printing (continued)

TV — Printer

2 Select image.

1 **Press ◆ to select the image insert position and press OK (OK).**

- The selected image position is outlined with a yellow border.



2 **Press ◆ to select an image and press OK (OK).**

- To switch to “Single-Shot View” display, press DISPLAY (DISPLAY).

3 **Edit the image using − + (Reduce/Enlarge), ROTATE (Rotate), ◆ (Move) and press OK (OK).**

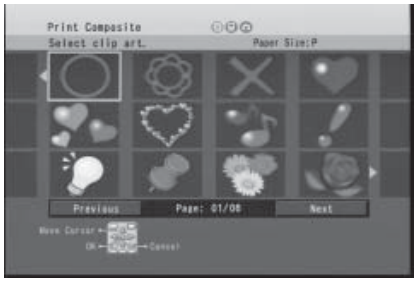
- The image during editing is outlined with a blue border.
- **Use the remote control to reduce/ enlarge or rotate an image. These features cannot be controlled on the main unit.**

3 Add clip art.

1 **Press ◉ to select [Add Clip Art.] and press OK (OK).**

- Up to 8 clip art can be applied.

2 **Press ◉ to select clip art and press OK (OK).**



3 **Edit the clip art using − + (Reduce/Enlarge), ROTATE (Rotate), ◉ (Move) and press OK (OK).**

- The clip art during editing is outlined with a blue border.
- **Use the remote control to reduce/ enlarge or rotate an image. These features cannot be controlled on the main unit.**
- When you press OK (OK), the border for the clip art will disappear.

Continued on next page

Composite Printing (continued)

TV — Printer

4 Print.

1 **Press (PRINT). Or press to select [Print] and press (OK).**

2 **Press to select [Yes] and press (OK).**

- Printing begins.
- The display will return to the “4 Print”, step **1** when printing starts. (The same screen appears when you select [No].)

●To stop print job midway

① Press RETURN (RETURN).

② Press to select [Yes] and press (OK).

③ Press RETURN (RETURN).

④ Press to select [Cancel Printing] and press (OK).

⑤ Press to select [Yes] and press (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

To return to the “Menu” screen

① Press RETURN (RETURN).

② Press to select [Yes] and press OK (OK).

Note

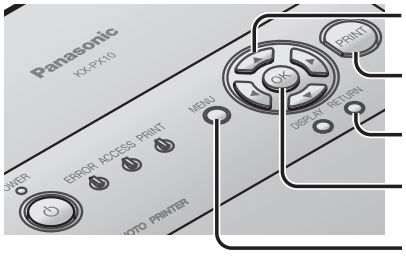
- The preview is not exact print image. Actual printouts may differ from the preview.
- The yellow border surrounding images is not printed.
- You cannot change [Print Settings] items (☞ p. 42, 82) while creating a composite image.
- To adjust the image quality while creating a composite image, select [Settings] → [Image Adjustment] on the “Menu” screen (☞ p. 55, “Saving Settings”).
- [Image Adjustment] settings can be made only for images while creating a composite image.

LUMIX Baby Mode

TV Printer

If age information has been recorded for images using LUMIX Baby mode with a Panasonic LUMIX digital camera, the age is printed in the lower left of the image.

• **Printer**



Direction buttons
PRINT
RETURN
OK
MENU

Same operations are also possible using the remote control. (For the button names on the remote control, refer to page 14.)

Before operation

Insert a memory card containing the images for which age information has been recorded using LUMIX Baby mode.

1 **Press ◄► to select [Print Settings] on the "Print" screen and press OK (OK).**

2 **Press ◄► to select [LUMIX Baby] and press OK (OK).**

3 **Press ◄► to select [ON] and press OK (OK).**

4 Press ◆ to select [OK] and press OK (OK).

- If you select [Cancel] and press OK (OK) or press RETURN (RETURN), changes will not be applied.

5 Press PRINT (PRINT).
Or press ◆ to select [Print] and press OK (OK).

●To stop print job midway

① Press MENU (MENU).

② Press ◆ to select [Cancel Printing] and press OK (OK).

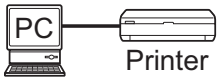
③ Press ◆ to select [Yes] and press OK (OK).

- The printing for the paper currently being printed will be completed and subsequent printing is halted.

Note

- For details on settings available in LUMIX Baby mode, refer to the operating instructions provided with the Panasonic LUMIX digital camera.
- Factory setting for [LUMIX Baby] is [OFF].

Printing with a Computer



You can perform printing operation on a computer.
After installing the printer driver (☞ p. 85), perform print operations using image printing software.
Ensure that your computer's configuration is compatible for use with this printer (☞ table below).

System requirements

Computer	IBM® PC/AT® compatible
CPU	Intel® Pentium® II or Celeron® 500 MHz or higher
OS	Microsoft® Windows® 98 Second Edition Microsoft® Windows® Me Microsoft® Windows® 2000 Professional Microsoft® Windows® XP Home Edition/Professional
Memory	Windows Me/Windows 98 SE: 64 MB or above (128 MB minimum recommended) Windows XP/Windows 2000: 128 MB or above (256 MB minimum recommended)
Required Hard Disk Space	120 MB minimum
Display	High Color (16 bit) or higher Desktop area 800 x 600 pixels or higher
Interface	USB port
Disc Drive	CD-ROM drive (required for installation)
Other	Mouse or equivalent device

- Operation is not necessarily guaranteed with the above environments.
- Operation is not guaranteed on Macintosh Computers.
- Operation is not guaranteed on Windows 3.1, Windows 95, Windows 98 or Windows NT® environments.
- Operation is not guaranteed with operating system upgrades.
- Not compatible with multi-CPU configured environments.
- Compatible with Windows XP SP1 or SP2 environments.

Important

Do not play the supplied CD-ROM on an audio CD player. Doing so may emit loud sound resulting in damage to the speaker.

Installing the printer driver

To print from the computer, you must first install the printer driver to your computer as follows. For details on printer driver operations, see the printer driver's help.

Important

- **Do not connect the printer to a computer before installing the printer driver. Also, be sure to turn off the printer's power before making connections.**
- **When the "Found New Hardware Wizard" screen appears during the installation, click [Cancel] on the screen.**
- Quit all other active applications.
- Once you have installed the printer driver, do not shut down or log off your computer while printing is in process. Doing so prevents the printer from printing properly.
- To insure against data loss or deletion of any data, ensure that you make a backup copy of the software contained on the CD-ROM.
- For Windows XP and Windows 2000, log on as system administrator or have a similar level of authorization to install the printer driver.

The following descriptions are intended for Windows XP.
The displayed messages and procedures may vary slightly depending on the OS.

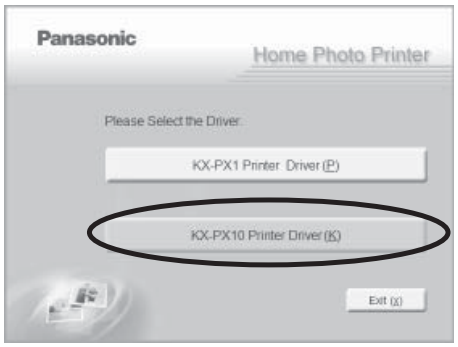
1 Start the computer and insert the supplied CD-ROM.

- The menu screen is displayed.

● **If the menu screen is not displayed…**

1. Open [My Computer].
2. Open the CD-ROM drive and double-click [Setup.exe] on the CD-ROM.

2 Click [KX-PX10 Printer Driver] on the menu screen.

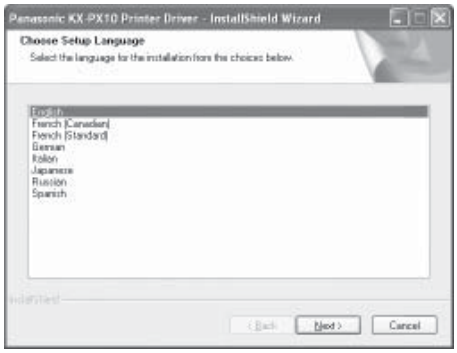


Continued on next page

Printing with a Computer (continued)

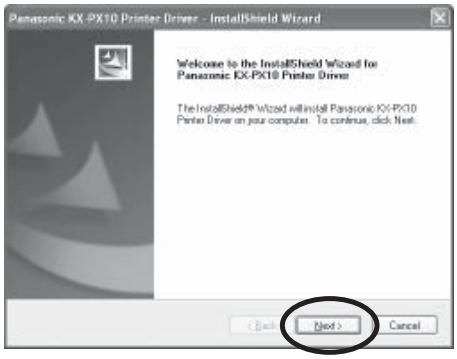
PC — Printer

3 **Select the language for the installation.**



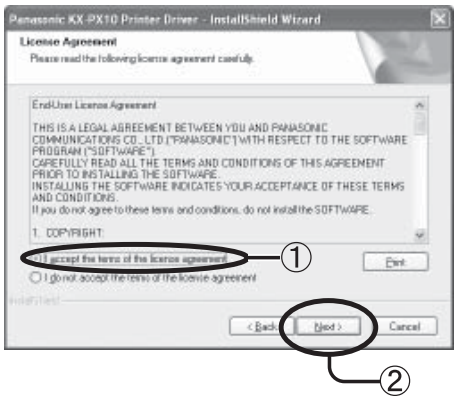
4 **Click [Next].**

- When the screen displaying the message "Before setup, make sure the printer is off." appears, click [OK].

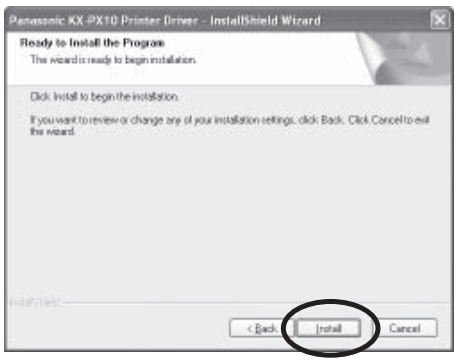


5 **Read the License Agreement** (☞ p. 90) **carefully.**
Select ① [I accept the terms of the license agreement] and click ② [Next].

- **If you do not agree to the conditions of the license agreement, click [Cancel].**
  The installation process will be discontinued.

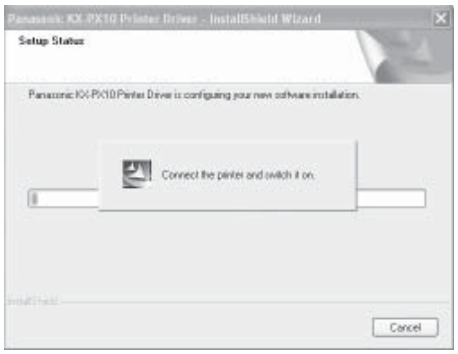


6 **Click [Install].**



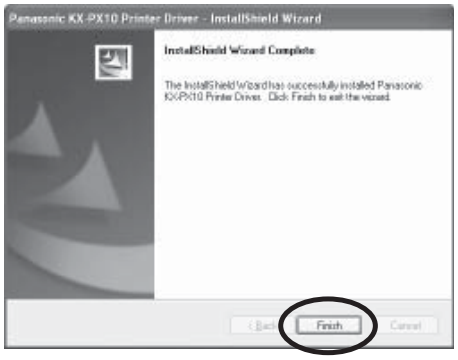
7 Connect the printer to the computer with the USB cable when “Connect the printer and switch it on.” screen is displayed. Then turn the printer on.

(☞ p. 88)



- **If “Printer not found. Check the connection.” screen is displayed**
  Make sure that the USB cable is connected properly and the printer is turned on, and then click [Retry].

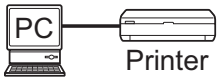
8 Click [Finish].



The installation process has completed.

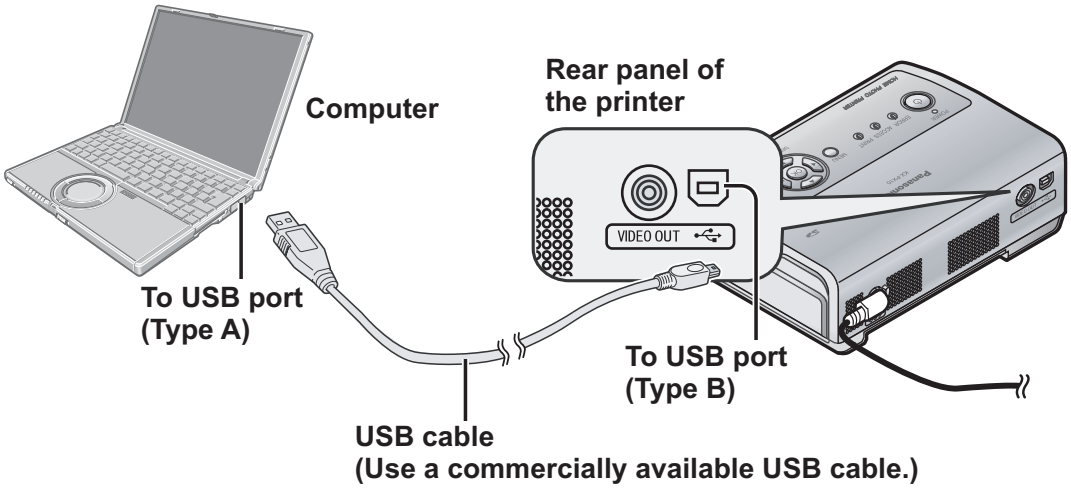
Continued on next page

Printing with a Computer (continued)



• Connecting with a personal computer

Sample connection



Warning:

To assure continued emission limit compliance, use only shielded USB cable (6.5′ (2 m) or less in length).

• Uninstalling the printer driver

Use uninstall if you want to delete the printer driver.
Disconnect the USB cable before uninstalling the printer driver.
Quit all other active applications.

① Select [Start] → [All Programs (Programs)] → [Panasonic] → [Panasonic KX-PX10] and then click [Uninstall].
② Click [Yes] when “Do you want to completely remove the selected application and all of its features?” screen appears.
③ Select [Yes, I want to restart my computer now.] and click [Finish].

• After the computer has restarted, the driver is uninstalled.

Note

Operation is not guaranteed when printing over a network.

Printing from the computer

Use the application software installed on your computer to print images from the computer. Refer to the application software's operating instructions for details on the printing operation.

1 Open the image file to be printed using the application software.

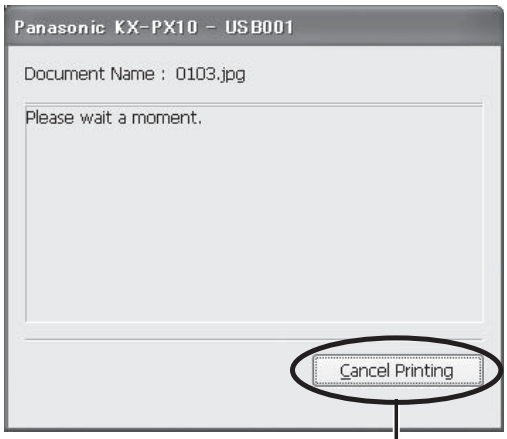
2 Print the image file.

- Make sure that printer paper size setting on the application software matches the size of the paper and ink cassette in the printer. If the different size paper is selected on the application software, printing will become impossible.
- A status monitor window (☞ see below) is displayed during printing.

Status monitor

When attempting to print from application software, a status monitor showing the progress of the current print job will be displayed. The status monitor will not be displayed under the following conditions:

- When you have selected a different printer
  ⇒Select this printer.
- When there are still previously initiated active print jobs remaining in the print queue
  ⇒Delete any unwanted print jobs.



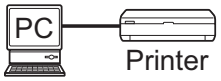
Click this button when you want to stop printing.

● Deleting unwanted print jobs

- For Windows XP:
  Select [Start] → [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes] and then double-click the icon for this printer. Select the unwanted print jobs and press the Delete key.
- For Windows 2000/Me/98 SE:
  Select [Start] → [Settings] → [Printers] and then double-click the icon for this printer. Select the unwanted print jobs and press the Delete key.

Important

Do not shut down or log off your computer while printing is in process. Doing so prevents the printer from printing properly.



License agreement

Please read the following license agreement carefully.

End-User License Agreement

THIS IS A LEGAL AGREEMENT BETWEEN YOU AND PANASONIC COMMUNICATIONS CO., LTD. (“PANASONIC”) WITH RESPECT TO THE SOFTWARE PROGRAM (“SOFTWARE”). CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT PRIOR TO INSTALLING THE SOFTWARE. INSTALLING THE SOFTWARE INDICATES YOUR ACCEPTANCE OF THESE TERMS AND CONDITIONS.
If you do not agree to these terms and conditions, do not install the SOFTWARE.

1. COPYRIGHT:

The SOFTWARE is protected by copyright laws and international treaty provisions, and all other applicable laws. You acknowledge that you are receiving only a LIMITED LICENSE TO USE the SOFTWARE and related documentation, and that you shall obtain no title, ownership nor any other rights in or to the SOFTWARE and its related documentation, all of which title and rights shall remain with PANASONIC or its licensor.

2. LICENSE:

(1) You may use the SOFTWARE solely for the purpose of operation of your Panasonic Printer which is compatible with the SOFTWARE.

(2) You may make a copy of the SOFTWARE for the use defined in subparagraph (1) above, or for internal back-up purpose only.

(3) You may transfer your rights under this License Agreement on a permanent basis, provided that you transfer this Agreement, all copies of the SOFTWARE, all related documentation and your Panasonic Printer, and the recipient thereof agrees to the terms of this Agreement.

3. RESTRICTIONS:

You may not reverse engineer, decompile or disassemble the SOFTWARE, except as expressly permitted by applicable laws. You may not use, copy, modify, alter, rent, lease or transfer the SOFTWARE, its related documentation, or any copies thereof, in whole or in part, except as expressly provided in this Agreement. You may not export the SOFTWARE in contravention of any applicable U.S. or foreign export laws and regulations.

4. TERM:

This license is effective until terminated. You may terminate this Agreement at any time by destroying the SOFTWARE and related documentation and all copies thereof. This license will be terminated if you fail to comply with any term or condition of this Agreement. Upon such termination, you agree to destroy the SOFTWARE, all copies thereof and related documentation.

5. LIMITATION OF LIABILITY:

THE SOFTWARE IS PROVIDED “AS IS” WITHOUT ANY WARRANTY. PANASONIC (INCLUDING MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. AND ITS AFFILIATE COMPANIES, IN THIS ARTICLE) DOES NOT MAKE OR PASS ON TO YOU OR OTHER THIRD PARTY, ANY WARRANTY OR REPRESENTATION INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, PANASONIC DOES NOT WARRANT THAT THE SOFTWARE WILL BE ERROR-FREE OR THAT IT WILL MEET YOUR REQUIREMENTS. PANASONIC SHALL NOT BE LIABLE FOR ANY DAMAGE SUFFERED BY YOU INCLUDING, BUT NOT LIMITED TO, CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES, EVEN IF PANASONIC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOTWITHSTANDING THE FOREGOING, IF THE TERMS AND CONDITIONS HEREOF CONTRADICT THE LAWS OF THE JURISDICTION IN WHICH YOU LIVE, THIS LICENSE AGREEMENT SHALL BE MODIFIED TO THE EXTENT SUCH LAWS REQUIRE.

If a Paper Jam Occurs

The error message “Paper is jammed.” is displayed on the TV screen or status monitor of the computer screen.

1 **Turn off the printer’s power once and turn it back on again with both the paper cassette and ink cassette still inserted.**

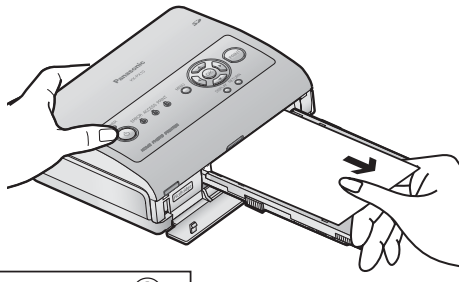
- Jammed paper will be ejected from the front panel ① or the rear panel ②. (Paper may be ejected from both the front panel ① and the rear panel ②.)

2 **Remove the paper from the front panel ① or rear panel ②.**

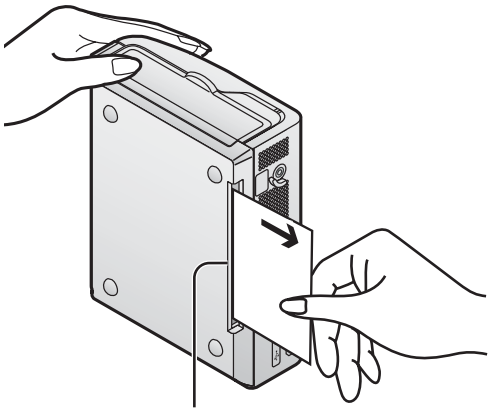
3 **Remove the ink cassette to verify that there is no more paper lodged inside the printer.**

4 **Replace the ink cassette.**

Front panel ①



Rear panel ②



Opening for removing paper jams

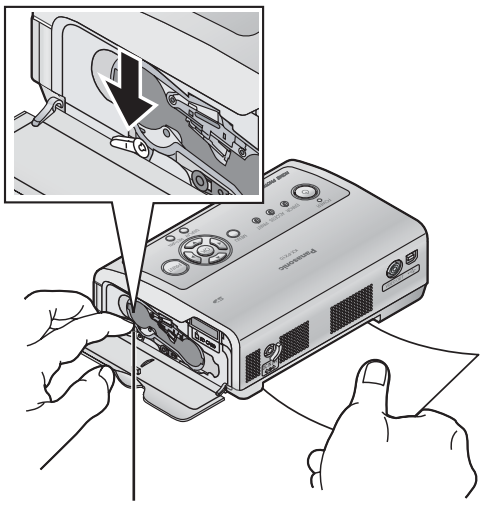
Continued on next page

If a Paper Jam Occurs (continued)

If paper is not ejected

1 **Turn off the power and remove the paper cassette.**

2 **Remove the paper from either the front panel ① or the rear panel ② while pressing down on the paper jam removal lever.**



Paper jam removal lever

Important

If the paper has stopped moving and no error message appears, wait for a while, leaving the paper as it is.

Note

When printing from a computer, printing sometimes continues after jammed paper is removed.

LED Indicators

The operational and error status of the printer is displayed using a combination of lit and blinking LED indicators. Messages can be displayed on TV screen and the status monitor of the computer screen (☞ p. 100).

When operations are normal

Status	POWER lamp	ERROR lamp	ACCESS lamp	PRINT lamp
Power is off (Standby mode)	Lit (Red)			
Power is on	Lit (Green)			
Loading image	Lit (Green)		Lit/Blink (Green)	
Printing	Lit (Green)			Blink (Green)
Waiting to print※1(when temperature is too high or too low)	Lit (Green)			Lit (Green)

※1 When temperature is too high or too low, the printer will temporarily enter Waiting mode (☞ p. 10).

When an error occurs (For details, refer to page 100.)

Status	POWER lamp	ERROR lamp	ACCESS lamp	PRINT lamp
Paper/ink error	Lit (Green)	Lit (Red)		※2
Paper jam	Lit (Green)	Blink (Red)		
Internal printer error	Blink (Red)	Blink (Red)		

※2 Sometimes the PRINT lamp blinks or lights up during printing.

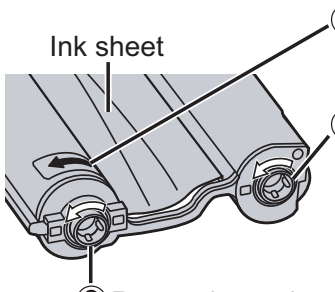
Troubleshooting

Follow the procedures described below. If you are not able to solve the problem, contact your dealer.

Power source

Problem	Cause and Remedy	Page
The power is not on.	• Are the power cord and AC adaptor connected correctly? ⇒Connect the power cord and AC adaptor correctly.	15

Printing (with TV, digital camera or computer)

Problem	Cause and Remedy	Page
The ink cassette cannot be inserted.	• When attaching the ink cassette, if it does not catch in place when inserted, manually rotate the ink sheet reel slightly as described below and try again.  	—
• **Not able to print.** • **Blank paper comes out.**	• Have you inserted the ink cassette as far as it will go? ⇒Insert the ink cassette all the way in. • Does the ink sheet have slack? ⇒Flatten out the ink sheet. • Have you inserted the paper cassette as far as it will go? ⇒Insert the paper cassette all the way in. • Does the size of paper cassette and ink cassette match? ⇒Make sure that the paper cassette and ink cassette sizes match. • Have you been printing continuously or printing when the room temperature is high? ⇒Printing operations may temporarily halt in order to keep the internal temperature of the printer from rising. The PRINT lamp will change to lit status at this time. This is not a malfunction. Please wait until the internal temperature of the printer goes down. • Has the ink in the ink cassette run out? ⇒Replace the ink cassette.	22 22 21 18 10 93 22

Problem	Cause and Remedy	Page
Printing time is unusually long.	• Printing will require additional time when printing more than 2 sheets in succession or when the printer's internal temperature is excessively high.	10
There is a noise during printing.	• The printer makes noise when the ink and paper are being fed out during printing. This is normal.	—
The printer printed a different number of copies than selected.	• When printing using DPOF settings, only the number of copies set by DPOF will be printed. • Even if the number of copies has been set to each image when selecting images, only one copy will be printed if "All Images" or " Index" is selected.	40 36 38
• **Unsatisfactory print quality** • **Horizontal lines appear across the printed image.**	• Are you using different paper than that which is indicated? ⇒Insert the paper exclusive for this printer. • Does the ink sheet have slack? ⇒Flatten out the ink sheet. • Have you inserted the paper with the wrong side facing up? ⇒Make sure that you insert the paper with the print side (glossy surface) facing up. • Print quality may be poor if there is condensation※1 due to a difference in temperatures. ⇒Wait for approximately 2 hours from the time the printer's power was turned on before attempting to resume printing. • Are the thermal heads dirty? ⇒Clean the thermal heads※2.	 18 22 20 96 96
• **Paper jams occur frequently.** • **Paper does not feed.**	• Have you loaded more than 18 sheets of paper (or more than 20 sheets of wide size paper) in the paper cassette? ⇒Reduce the number of sheets. • Have you inserted curled paper? ⇒Do not use curled paper.	 20 —

Continued on next page

Troubleshooting (continued)

Problem	Cause and Remedy	Page
Part of the printed image is cut off.	• Have you used application software to enlarge the image beyond the printing range of this printer? ⇒Reduce the image size so that it fits within the printer's printing range. • Is [Borders] of the digital camera or printer driver※3 set to [Off]? ⇒Select [On] under [Borders].	— —
There is an unexpected margin on the printed images.	• Is [Borders] of the digital camera or printer driver※3 set to [On]? ⇒Select [Off] under [Borders].	—

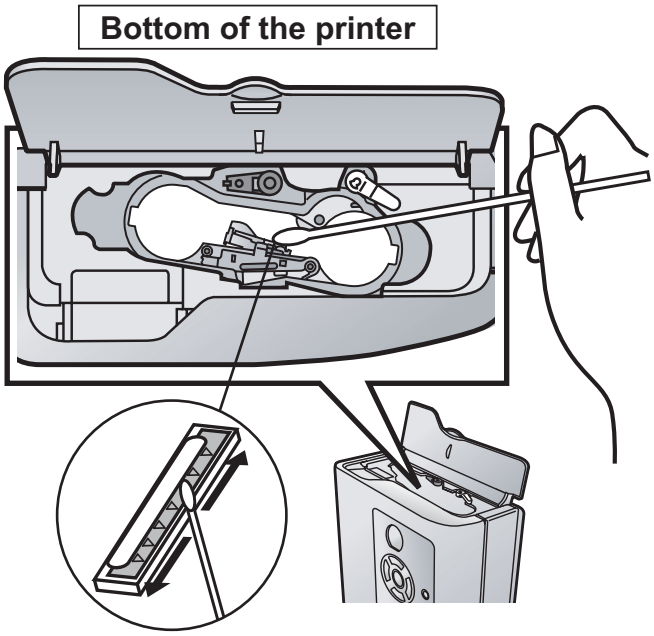
※1 Condensation

Water droplets will form after a bottle has been removed from a refrigerator during the summer season or in a warm environment. This formation of water droplets is called condensation. Condensation that forms on printed paper and the printer roller and that has not yet dried may cause smudging on the printed image.

※2 Cleaning thermal heads

If photo images are marred by horizontal lines and you are not able to print high-quality photo images, use a commercially available cotton swab, approximately 6″ (15 cm) in length, to clean the full length of the thermal heads in the ink cassette slot.

- **Do not clean the thermal heads immediately after printing.**
- Disconnect the power cord and remove the ink cassette before cleaning the thermal heads.
- Do not insert your fingers in the ink cassette slot while cleaning the thermal heads as this may lead to injury.



Thermal heads

※3 Printer driver

For operation details, see the help on the supplied CD-ROM.

Printing (with TV)

Problem	Cause and Remedy	Page
• **Printer does not operate when the button is pressed.** • **The menu is not displayed even when the MENU button is pressed.**	• Has the printer unit become hot? ⇒If the inside of the unit becomes hot, buttons may stop functioning and the printer may stop midway through printing. If this happens, the PRINT lamp will light. This is not a malfunction. Please wait for the temperature to go down.	10 93
No image is displayed.	• Have you inserted the memory card correctly? ⇒Insert the memory card correctly. • Have you inserted a memory card that is not compatible with this printer? ⇒Check that the format of the memory card is compatible with the printer. • Is the video format incorrect? ⇒Change the video format as follows.	29 104 —

● Changing the video format

The video format varies depending on the country or region. Follow the procedure below to change the video format.

① Turn off the printer.
② Turn on the printer while holding down DISPLAY (DISPLAY) and OK (OK).

• Release the ⏻ (POWER) button when the printer turns on, but be sure to continue holding DISPLAY (DISPLAY) and OK (OK) until the image appears.

Continued on next page

Troubleshooting (continued)

Problem	Cause and Remedy	Page
It takes considerable time for the image to be displayed.	• It may take some time until the image is displayed, depending on the image format or size of the image. This is not a malfunction.	—
It takes considerable time for the initial screen to be displayed.	• Do you have many images stored on the memory card? ⇒It may take some time until the image is displayed. This is not a malfunction.	—
The image is distorted.	• Is the printer located close to any devices that may be emitting electric waves or magnetic waves? ⇒Make sure the printer is not set close to any game devices, stereo speakers or large format monitors, etc.	10
The remote control does not work.	• Are there any obstacles between the printer and the remote control? ⇒Remove any obstacles that may be in the way. • Are you pointing the remote control at the remote control receiver on the printer? ⇒Make sure that you are aiming the remote control at the printer's remote control receiver. • Is the battery used up? ⇒Replace the battery with new one.	17 17 16

Printing (with a computer)

Problem	Cause and Remedy	Page
• **Don't know how to stop the printing process when printing from a computer.** • **Printing has started after starting the computer.**	• Click [Cancel Printing] on the status monitor. • Select [Start] → [Printers and Faxes] (or [Start] → [Settings] → [Printers]) and then double-click the icon for this printer. Then select [Printer] → [Cancel All Documents] (or [Purge Print Documents]).	89 —
• **Cannot start printing from the computer.** • **ERROR lamp on the printer is lit or blinking when printing from the computer.**	• Check the information displayed on the status monitor.	89 100 101

Problem	Cause and Remedy	Page
The printed image has poor tone balance.	• You can adjust the image quality on the [Image Adjustment] tab of the printer driver※4.	—
• **The printed image is too bright.** • **There is too much image noise in the dark areas of the printed image.**	• Changing [Auto Mode] setting to [Off] on the [Image Adjustment] tab of the printer driver※4 may improve these problems.	—
A message indicating "The USB port cannot be located" is displayed on the computer.	• Have you connect the printer to USB port that supports printers? ⇒USB ports are displayed as [USB001] and [USB002]. Check the USB port configuration. **Checking method** • For Windows XP Select [Start] → [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes] and open [Properties] window for this printer. Select USB ports on [Ports] tab. • For Windows 2000 Select [Start] → [Settings] → [Printers] and open [Properties] window for this printer. Select USB ports on [Ports] tab. • For Windows 98 SE/Me Select [Start] → [Settings] → [Printers] and open [Properties] window for this printer. Select USB ports on [Print to the following port] on [Details] tab.	—

※4 Printer driver
For operation details, see the help on the supplied CD-ROM.

Message Display

Paper cassette and ink cassette related messages

● LED indicators

POWER lamp	ERROR lamp	ACCESS lamp	PRINT lamp
● Lit (Green)	▮ Lit (Red)	▯	▯ ※1

※1 Sometimes the PRINT lamp blinks or lights up during printing.

● Messages

Message	Remedy	Page
Load a new ink cassette. (U02/U03/U04)	• Replace with a new ink cassette as ink has run out.	22
Load the ink cassette. (U10/U12/U13/U14/U1A/ U1B/U1C)	• Insert the ink cassette.	22
Load paper. (UA0/UA1/UA2)	• Load paper into the paper cassette.	20
Load the paper cassette. (U27/UA3/UA4/UA5/UAD/ UAE/UAF)	• Insert the paper cassette with paper.	20
Incorrect ink cassette size. (U43/U44/U45)	• Insert the ink cassette of correct size.	18
Incorrect paper cassette size. (UAA/UAB/UAC)	• Insert the paper cassette of correct size.	18
Paper cassette and ink cassette sizes do not match. (U19)	• Insert an ink cassette and paper cassette of the same size.	18

Paper size error/Paper jam

● **LED indicators**

POWER lamp	ERROR lamp	ACCESS lamp	PRINT lamp
Lit (Green)	Blink (Red)	▯	▯

● **Messages**

Message	Remedy	Page
• **Paper is jammed. (U2E)**	• Remove the jammed paper.	91
• **Check the paper. (UB0 – UB8)** • **Paper has been ejected behind the printer. Check the paper. (UB9/UBA/UBB/ UBC/UBD/UBE)**	• Paper is ejected from the front panel or rear panel of the printer. (Sometimes paper may be ejected from both.) Remove the paper. Then, remove the paper cassette once and re-insert.	—

Internal error

● **LED indicators**

POWER lamp	ERROR lamp	ACCESS lamp	PRINT lamp
Blink (Red)	Blink (Red)	▯	▯

● **Messages**

Message	Remedy	Page
An error has occurred. (Fxx※2)	• An internal hardware error has occurred. Turn off the power once and turn it back on again. If the error is not cleared, please consult your dealer.	—

※2 Numbers and/or letters will appear in place of xx.

Continued on next page

Message Display (continued)

Others

● **LED indicators:** No special indication.

● **Messages**

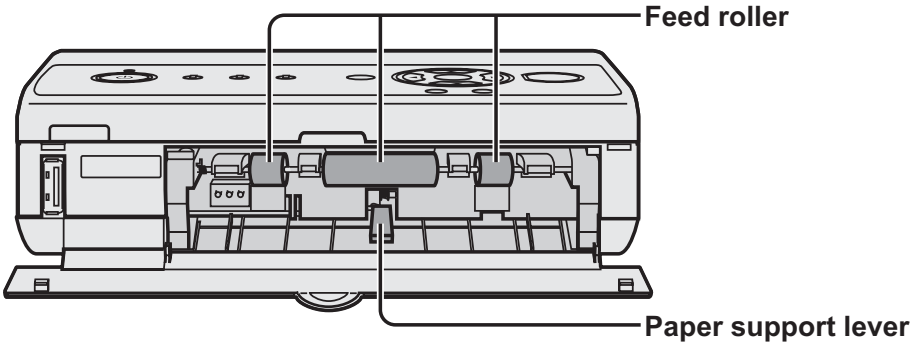
Message	Remedy	Page
Maximum number of copies exceeded. Print after this job.	• Up to 99 copies can be printed at once. Perform the print operation again after current print job is finished. • Up to 10 copies can be printed at once when printing a calendar or composite image. Perform the print operation after the current print job is finished.	34 69 76
Maximum number of copies exceeded. Select the first image to print.	• Up to 99 copies can be printed at once. Select the print (select) start image. Images beginning from the selected one up to the 99th will be printed (selected). • When you print an index Up to 10 copies can be printed at once. Select the print start image. Images beginning from the selected one up to the 250th (300th for wide size paper) will be printed.	36 38
Maximum number of copies exceeded. Select the first image to print.		60
Print all images after the current print job.	• The operations print all images, print index, DPOF print, and select all images cannot be executed during printing. Retry the desired operation after the current print job is finished.	36
Print the index after the current print job.		38
Print the DPOF job after the current print job.		40
Select all images after the current print job.		60
Unable to print. Cancelling the print job from the SD card or Multimedia card. (U3E)	• The image you attempted to print has an unsupported format or is broken.	104
No SD card or Multimedia card. (U35)	• Insert a memory card.	29

Message	Remedy	Page
• **Unable to use this SD card or Multimedia card. (U36)** • **Unable to read the SD card or Multimedia card. Cancelling the print job from the SD card or Multimedia card. (U38)** • **Unable to read the SD card or Multimedia card. (U39)**	• You are using a memory card that is not compatible. Please use a memory card that is compatible with this printer. Memory cards using a FAT32 formatted by computer or other devices cannot be used. Be sure to use memory cards with a FAT16 formatted by a digital camera.	104

Maintenance

● When the feed roller and/or paper support lever are dirty

Clear prints may become impossible if the feed roller or paper support lever become dirty.



Wipe clean with a damp cloth that has been wrung thoroughly.

● Wiping the printer surface

To clean the printer surface, wipe up any dust with a soft dry cloth. If the printer is particularly dirty, soak the cloth in kitchen detergent (neutral) diluted with water and wring the cloth out thoroughly. Then wipe off the dust with the cloth and wipe again with a dry cloth. When using a chemical cleaning cloth, follow the precautions outlined in the guideline instructions.

● Air vents

If dust enters from the air vents, it can accumulate on the ink sheet compromising print quality.

As dust builds up, the printer's air vents can be blocked, which could hamper safe operation of the printer. (☞ p. 6, "Important Safety Instructions")

If this occurs, remove the ink cassette and clean the dust off the ink sheet using a vacuum cleaner.

Specifications

Power Source	AC adaptor Input voltage: 100 V to 240 V AC ±10% 50/60 Hz Rated output: 24 V DC, 1.8 A
Power Consumption	During printing: Approx. 70 W When the power lamp is lit in green: Approx. 6 W When the power lamp is lit in red: Approx. 1.5 W
Printing System	Dye-Sublimation Thermal Transfer
Printing Speed※1	Postcard size: Approx. 65 sec./sheet Wide size: Approx. 75 sec./sheet
Ink Sheet	Cassette System (exclusive) (yellow, magenta, cyan and overcoat)
Printing Paper	Postcard size: 3.98″ x 7.09″ (101 mm x 180 mm) (After cutting: 3.98″ x 5.98″ (101 mm x 152 mm)) Wide size: 3.98″ x 8.19″ (101 mm x 208 mm) (After cutting: 3.98″ x 7.09″ (101 mm x 180 mm))
Paper Feed Method	Automatic paper feed system (holds 18 sheets of postcard size paper, or 20 sheets of wide size paper)
Image Quality	256 levels/color
Printing Resolution	300 x 300 dpi
Number of Images Displayable	Maximum of 20,000
Maximum Pixels of Image	6144 x 4096 pixels
Print Head	Thermal
Input Terminal	PictBridge: PictBridge terminal (front panel: 1) For personal computer: USB port (Type B) (rear panel: 1)
Output Terminal	Video: RCA pin jack (rear panel: 1) 1.0 Vp-p, 75 ohms
Compatible Memory Card	SD Memory Card, miniSD Memory Card, MultiMediaCard Format: DOS (FAT16) format Image formats: • JPEG baseline (SD-Picture, DCF (Design rule for Camera File system), Exif, JFIF) • TIFF (uncompressed) (conforms with Baseline TIFF Rev. 6.0 RGB Full Color Images) You cannot print TIFF format images from PictBridge devices such as digital cameras.

※1 This is the time required from the start of printing the yellow layer to the end of printing the overcoat. The printing speed given is approximate and may change depending on the temperature.

Allowable Temperature	Storage: –4°F to 131°F (–20°C to 55°C) Operation: 41°F to 95°F (5°C to 35°C)
Allowable Humidity	Storage: 0% to 90% Operation: 35% to 80%
External Dimensions	Approx. 6.81″ (W) x 2.21″ (H) x 5.16″ (D) (Approx. 173 (W) x 56 (H) x 131 (D) mm) (excluding protruding parts)
Mass	Approx. 2.05 lbs (930 g) (main unit)

- This product conforms with the Design rule for Camera File system (DCF) and Exif2.21 (Exif Print) image format as defined by the Japan Electronics and Information Technology Industries Association (JEITA).

List of Factory Settings

Item		Factory setting
Print Settings	Date	OFF
	Borders	OFF
	Rotate Image	OFF
	LUMIX Baby	OFF
Image Adjustment	Effect	OFF
	Auto Mode	Auto
	Density/Balance	OFF
	Color Levels	OFF
	White Balance	OFF
	Noise Reduction	ON
Print Calendar	Start Year/Month	2006. 1.
	Start Day	Sunday
Device Settings	Date Format	MM/DD/YYYY
	Language	English
	TV Aspect	4:3
Slide Show Settings	Interval	5 seconds
	Pattern	Normal
	Operation Guide	ON

Note

- The above settings are saved even when power is turned off.
- For [Print Settings] and [Image Adjustment], only those settings which have been changed using the procedures in “Saving Settings” (☞ p. 55) are saved.
- To restore factory default settings, refer to page 56.

Additional Information

■ Compatible Standards

Exif Printing

- This product conforms with the Exif2.21 (Exif Print) image format as defined by the Japan Electronics and Information Technology Industries Association (JEITA). (Using the digital camera's photo information helps provide an extremely high-quality image print.)

PictBridge

- This product conforms with the PictBridge (CIPA DC-001-2003) standard adopted by the Camera & Imaging Products Association (CIPA). (PictBridge is a standard that enables direct printing from a digital camera to the printer and is not limited to a specific manufacturer. Digital video cameras also adopt this standard.)

Energy Star

- As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

■ Copyrights

- Prints of material other than the images and videos that you have made can be used for your personal enjoyment. Copyright laws prevent their use in any other way without the written permission of the copyright holders.

■ Disclaimer

- Panasonic makes no warranties for damages, whether directly or indirectly, resulting from corrupted or lost data due to power failures, etc.

■ Sudden drops in voltage

- This device may not operate properly in the event of a sudden drop in power voltage. Use of this printer with an uninterruptible AC power supply is recommended to ensure against any reduction in operational performance during a sudden drop in voltage.

■ Trademarks

- Microsoft, Windows and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
  This document uses the following abbreviation protocols:
  Microsoft® Windows® 98 Second Edition is referred to Windows 98 SE
  Microsoft® Windows® Millennium Edition is referred to Windows Me
  Microsoft® Windows® 2000 Professional is referred to Windows 2000
  Microsoft® Windows® XP Home Edition/Professional is referred to Windows XP
- Microsoft product screen shots reprinted with permission from Microsoft Corporation.
- Intel, Pentium and Celeron are either registered trademarks or trademarks of Intel Corporation and its subsidiaries in the United States and/or other countries.
- IBM and PC/AT are either registered trademarks or trademarks of International Business Machines Corporation in the United States and/or other countries.
- Macintosh is a trademark of Apple Computer, Inc. registered in the United States and other countries.
- logo is a trademark.
- All company names, logos, product and software names are trademarks or registered trademarks of their respective companies.

Index

A
ACCESS Lamp 13, 93
Air Vent 14
Auto Mode 51

C
Calendar Printing 69
Composite Printing 76

D
Date Printing 42
DCF 105
DPOF 40

E
Enlarging Images 67
ERROR Lamp 13, 93
Exif 104, 106

F
Feed Roller 103

I
Image Adjustment 48
Index Printing 38
Ink Cassette 18, 22
Ink Cassette Eject Lever 14, 23

L
LUMIX Baby Mode 82

M
Moving Images 67
MultiMediaCard 28, 29

N
Number of Copies 34

P
Paper and Ink Set 18
Paper Cassette 18, 20
Paper Jam 91
Paper Jam Removal Lever 14, 92
Paper Support Lever 13
PictBridge 26, 106
Power Cord 12
POWER Lamp 13, 93
Print All Images 36
PRINT Lamp 13, 93
Printer Driver 85
Protective Sheet 20

R
Reducing Images 67
Remote Control 14, 16
Rotate 180° 46
Rotating Images 67

S
SD Memory Card 28, 29
Searching by Date 57
Single-Shot View 33
Slide Show 62
Status Monitor 89
Summary View 33

T
Thermal Heads 96
Trimming 67

V
Video Cable 12, 25
Video Output Terminal (VIDEO OUT) ... 14, 25

Customer Services

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

http://www.panasonic.com/consumersupport

or, contact us via the web at:

http://www.panasonic.com/contactinfo

You may also contact us directly at: 1-800-211-PANA (1-800-211-7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

TTY users (hearing or speech impaired users) can call 1-877-833-8855.

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

http://www.pasc.panasonic.com

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday - Friday 9 am to 9 pm, EST.)
Panasonic Services Company
20421 84th Avenue South, Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

TTY users (hearing or speech impaired users) can call 1-866-605-1277.

Service in Puerto Rico

Panasonic Puerto Rico, Inc.
San Gabriel Industrial Park, Ave. 65 de Infantería, Km. 9.5,
Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

Notes

Notes

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
San Gabriel Industrial Park, Ave. 65 de Infantería, Km. 9.5, Carolina,
Puerto Rico 00985

Copyright:
• This material is copyrighted by Panasonic Communications Co., Ltd., and may be reproduced for internal use only. All other reproduction, in whole or in part, is prohibited without the written consent of Panasonic Communications Co., Ltd.

© 2006 Panasonic Communications Co., Ltd. All Rights Reserved.

PFQX2611YA F0406WK1046 Ⓘ