



# **Dynamic Controller Owner's Manual**

**MODEL : LCC-K1000**

**Before installing and using the product, please read this owner's manual carefully and retain for future reference.**



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK  
OF ELECTRIC SHOCK  
DO NOT REMOVE COVER (OR BACK)  
NO USER-SERVICEABLE PARTS INSIDE  
REFER SERVICING TO QUALIFIED SERVICE  
PERSONNEL.



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**WARNING:** Do not install this equipment in a confined space such as a bookcase or similar unit.

**CAUTION:** The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

**FCC WARNING:** This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.



This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

#### Regulatory Notices For U.S.A

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- A suitable conduit entries, knock-outs or glands shall be provided in the cable entries of this product in the end user.
- Caution: Danger of explosion if battery is incorrectly replaced. Replaced only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
- Holes in metal, through which insulated wires pass, shall have smooth well rounded surfaces or shall be provided with brushings.

**WARNING:** This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**WARNING:** Wiring methods shall be in accordance with the National Electric Code, ANSI/NFPA 70.

#### SERIAL NUMBER:

You can find the serial number on the back of the unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

# IMPORTANT SAFETY INSTRUCTIONS

**CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS OWNER'S MANUAL. AND THOSE MARKED ON THE PRODUCT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.**

This product has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this product will protect you if you observe the following procedures for installation, use, and servicing.

This product does not contain any parts that can be repaired by the user.

**DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.**

1. **Read these instructions.** - All these safety and operating instructions should be read before the product is operated.
2. **Keep these instructions.** - The safety, operating and use instructions should be retained for future reference.
3. **Heed all warnings.** - All warnings on the product and in the operating instructions should be adhered to.
4. **Follow all instructions.** - All operating and use instructions should be followed.
5. **Do not use this product near water.** - For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; or near a swimming pool; and other areas located near water.
6. **Clean only with dry cloth.** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.
7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over- heating. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
8. **Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.**
9. **Do not defeat the safety purpose of the polarized or grounding-type plug.** A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. **Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.**
11. **Only use attachments/accessories specified by the manufacturer.**
12. **Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with apparatus. When a cart is used, use caution when moving the cart/product combination to avoid injury from tip-over.**
13. **Unplug this product during lightning storms or when unused for long periods of time.**
14. **Refer all servicing to qualified service personnel.** Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.



# Introduction

## Contents

<b>Introduction</b> .....	<b>4-7</b>	<b>Configuration Settings</b> .....	<b>20</b>
Contents .....	4	Operation .....	20
About Dynamic Controller .....	5	Focus Speed Setting .....	20
Features .....	5	PTZ Home Position .....	20
Identification of the Controller .....	6-7	PTZ Position Reset .....	20
<b>Connections</b> .....	<b>8</b>	Remote PTZ Reset .....	21
Precautions .....	8	Auto Key Lock Setting .....	21
RS-485 Connection .....	8	To Change the User Password .....	21
<b>Setup Menu</b> .....	<b>9-21</b>	Factory Reset .....	21
Setup Menu Overview .....	9	About LCC-K1000 .....	21
Key Functions on the Set Up .....	10	<b>Camera Control Function</b> .....	<b>22</b>
Operation Start (Login) .....	10	Pan/Tilt Control .....	22
Communication Settings .....	11	Lens Control .....	22
List of the communication settings .....	11	<b>Reference</b> .....	<b>23</b>
Operation .....	11	Specifications .....	23
Protocol Setting .....	11		
Communication Speed (Baud Rate) Setting ..	11		
Parity bit / Data Bits Setting / Stop Bit Setting ..	11		
Preset Settings .....	12		
To register preset positions .....	12		
Changing to Picture at Preset Position .....	12		
To tour the preset positions .....	13		
To group the preset positions .....	13		
To tour the group .....	14		
To clear the preset position .....	14		
To clear all preset position .....	15		
To clear a group .....	15		
To set Alarm Input .....	16		
To set Alarm Output .....	16		
Auto Pan Setup and Activation .....	17		
To set the points of auto pan .....	17		
To activate auto pan .....	17		
Pattern Setup and Activation .....	18		
To record the pattern .....	18		
Pattern Play .....	18		
Privacy Setup .....	19		
To register a new privacy zone .....	19		
To display or disappear privacy zone .....	19		

## About Dynamic Controller

This controller is the brand of Dome Camera Control Keyboard of LG in a surveillance system. You can operate this system very easily and conveniently because of design structure based on biotechnology and various functions for users. In addition, the controller can control using the whole functions of the LG Dome Camera such as zoom, focus and Pan/Tilt heads.

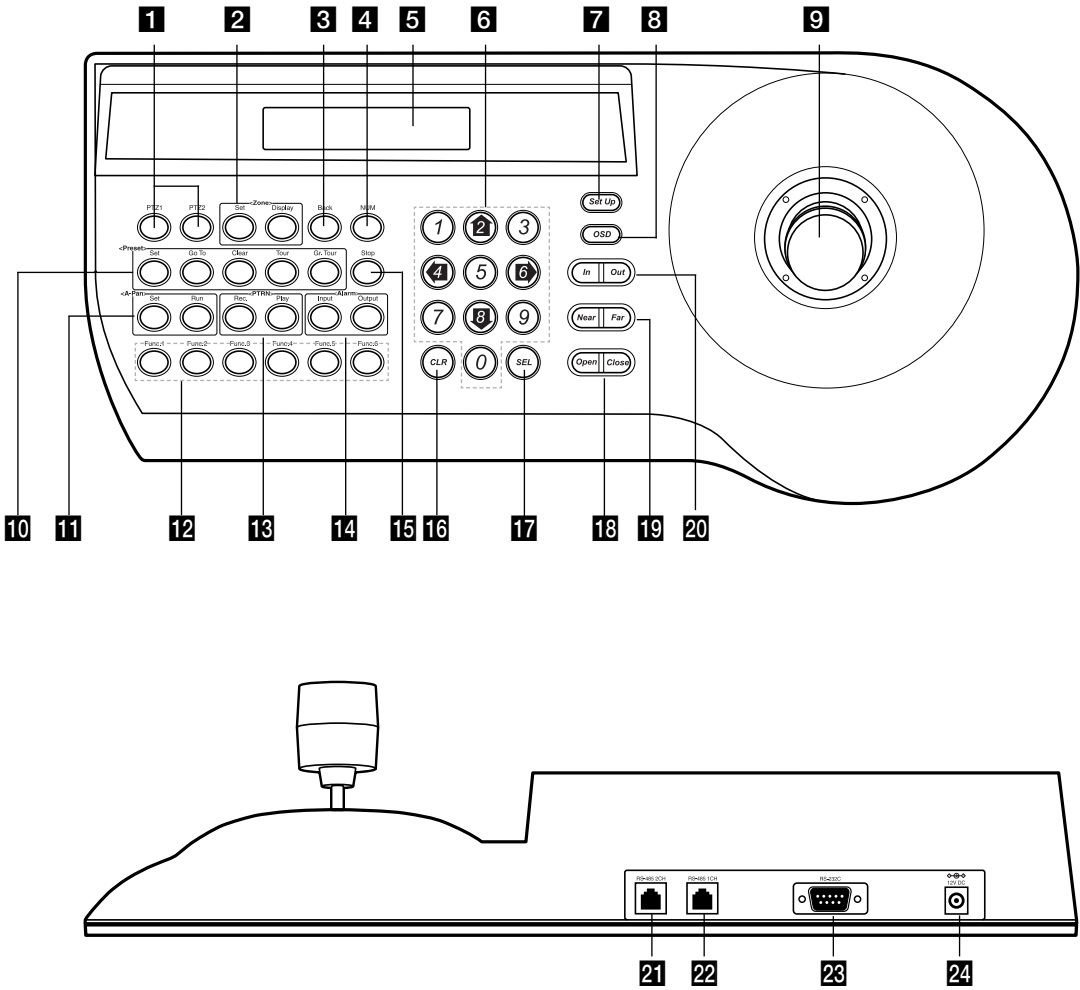
## Features

The Dynamic Controller offers the following functions:

- User-friendly Graphic User Interface
- Compatible with LG Dome Cameras and Zoom Cameras
- Joystick Control of PTZ Functions
- Program Preset Position up to 128 and Pattern Control  
(Memorize continuous series of Zoom In/Out, Pan/Tilt)
- Control Privacy Zone Masking
- Easy Firmware Upgrade  
(Please contact authorized service center or where you purchased to upgrade the firmware.)
- Ergonomic Design

**Note:** The Dynamic Controller is not provided with functions to control the audio signal. Audio communication is not possible, regardless of whether audio boards are installed in the receiver.

Identification of the Controller



**1 PTZ1 / PTZ2 Button**

Press to select a camera connected to the controller's data ports.

Press PTZ1 to control the camera connected to RS-485 1CH port.

Press PTZ2 to control the camera connected to RS-485 2CH port.

**2 Zone Buttons**

For details, see page 19.

**3 Back Buttons**

This button is used to return to the previous menu or mode.

**4 NUM Button**

Press this button to change to numeric entering mode on the menu.

**5 Display Window**

Displays function menus, numeric input, and system status.

**6 Numeric (0-9) and Arrow (left/right/up/down) Buttons**

Selects an option in the menu.

These buttons are used for numeric input of pre-set numbers or for executing each parameter on the Controller's menu.

**7 Set Up Button**

Opens controller's main Set Up menu in the display window.

**8 OSD Button**

Opens or closes the Camera's Setup menu on the screen.

**9 Joystick Controller**

This joystick manually operates the Pan/Tilt Head and turning the joystick head to the right or left will zoom or widen the image. (The zooming level will go up or down.)

**10 Preset Buttons**

For details, see pages 12-14.

**11 A-Pan (Auto-Pan) Buttons**

For details, see page 17.

**12 Func.1**

Press the button to switch the LG Multix protocol or LG Old protocol.

**Func.6**

If you use LG Multix Protocol, press the button to change the AF Mode. (Auto or Manual) When the AF Mode is PushAuto mode, press and hold the button to activate the Auto Focusing and release the button to inactivate the Auto Focus.

**Func.2-5**

These buttons are not assigned.

**13 PTRN (Pattern) Buttons**

For details, see page 18.

**14 Alarm Buttons**

For details, see pages 16.

**15 Stop Button**

Stops the playback of recorded images or pattern playing back.

**16 CLR (CLEAR) Button**

Clears the parameter entered with numeric buttons.

**17 SEL Button**

This button is used to execute the currently highlighted setting in the Setup menu.

**18 Open/Close Buttons**

The lens iris is adjusted by pressing the OPEN or CLOSE button.

**19 Near/Far Buttons**

These buttons are used to adjust the lens focus of cameras equipped with the specified lens.

**20 In/Out Buttons**

These buttons are used to zoom the camera image In (TELE) and Out (WIDE).

**21 RS-485 Data Ports (CH 2)**

These ports are used to exchange control data with the connected camera via the RS-485 cable. To control the camera connected to this port, press PTZ2 button on the controller.

**22 RS-485 Data Ports (CH 1)**

These ports are used to exchange control data with the connected camera via the RS-485 cable. To control the camera connected to this port, press PTZ1 button on the controller.

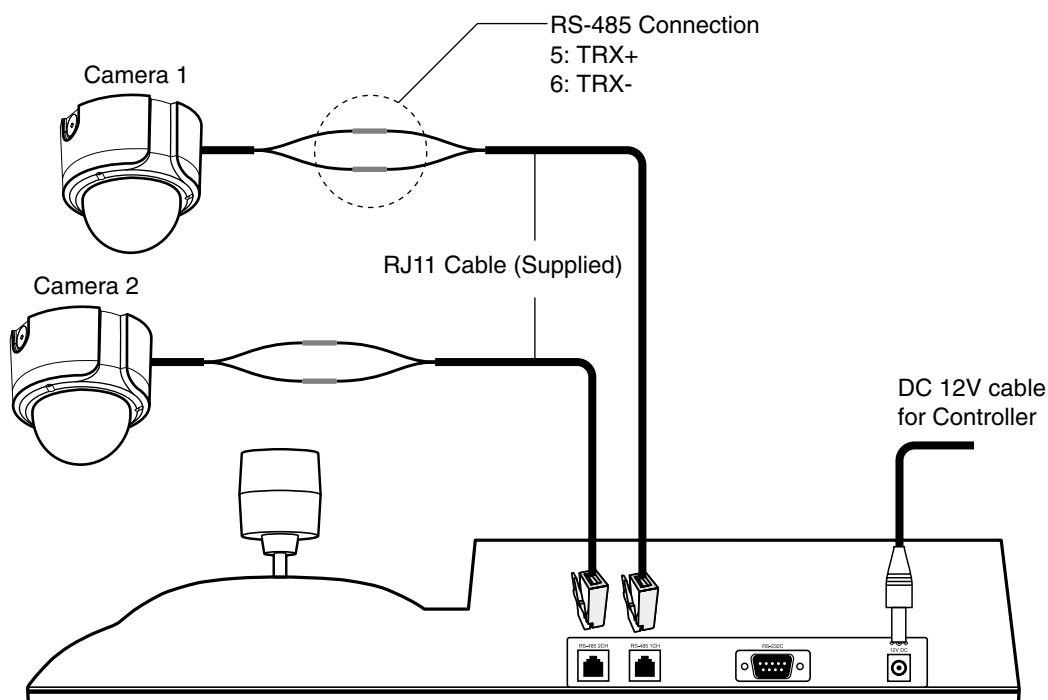
**23 RS-232C Port**

Is used only for authorized service purposes.

**24 DC 12V Input Jack (12V DC)**

Connect a DC 12V Certified/Listed, class 2 power supply only to the DC input terminal on the back of the controller.

# Connections



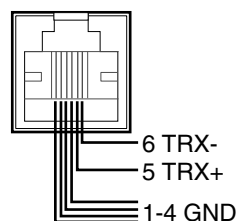
## Precautions

- The connections should be made by qualified service personnel or system installers in accordance with all local codes.
- DC 12V can be used.

## RS-485 Connection

Use the cable that is described below for RS-485 site communication.

- Shielded, twisted pair cable
- Low impedance
- Wire gauge size is thicker than AWG #22 (0.33 mm 2).





# Setup Menu

## Setup Menu Overview

The Setup menu has several submenus: System Setup, Preset Data Load, and Communication. All of these main menus are further divided into submenus.

Main Menu	Sub Menu	Page
PRESET	Set Preset	12
	Go to Preset	12
	Preset Tour	13
	Edit Group	13
	Group Tour	14
	Clear Preset	14
	Clear All Preset	15
	Clear Group	15
	Set Alarm Input	16
	Set Alarm Output	16
	Set Auto Panning	17
AUTO PANNING	Run Auto Panning	17
	Record Pattern	18
PATTERN	Play Pattern	18
	Set Zone Area	19
PRIVACY ZONE	Display Zone Area	19
	Protocol Setting	11
COMMUNICATION	Communication Speed	11
	Parity Bit	11
	Set Data Bits	11
	Stop Bit	11
	Manual Focus Speed	20
CONFIGURATION	PTZ Home Position	20
	PTZ Position Reset	20
	Remote PTZ Reset	21
	Auto Key Lock	21
	Change Password	21
	Factory Reset	21
	About LCC-K1000	21

## Key Functions on the Set Up

**Set Up button:** To display the main menu.

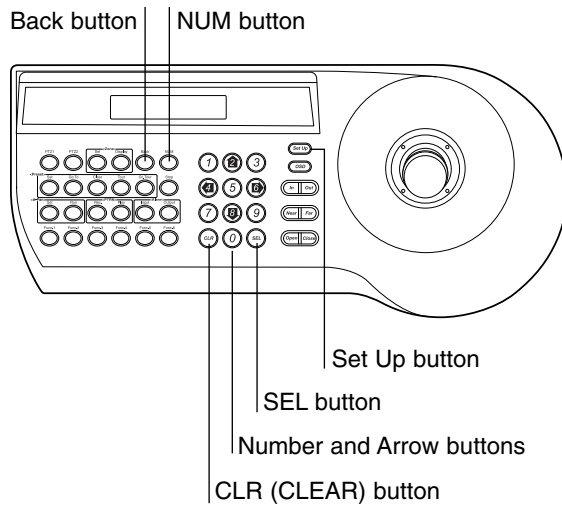
**SEL button:** To execute or select modes and parameters. To enter a submenu for the selected item.

**Back button:** To return to the previous menu.

**CLR (CLEAR) button:** Removes a number on the menu.

**NUM button:** Switches to number entering mode in a menu.

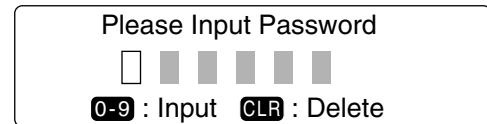
**Numeric buttons:** Enter numbered value in a menu.



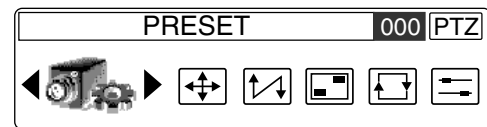
## Operation Start (Login)

Before starting operation, user authentication by the password is required. (Refer to page 21 for details on the setting of password.)

1. Check that the camera, the monitor and peripherals are connected correctly and securely.
2. Connect an DC 12V power source to the DC 12V input terminal on the back of the controller.  
The display for entering your password appear in the controller's display window.



3. Enter your 6-digit password using the number buttons then press SEL.  
The main menu will appear in the display window.



## Communication Settings

This setting is required to establish a connection between the system units and system controller.

### List of the communication settings

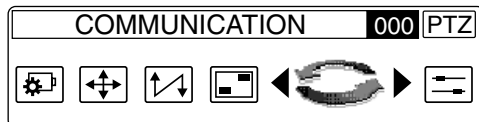
#### Setting Item Available setting parameter(s)

Protocol Setting:	<u>LG MULTIX</u> / LG old / Reserved 1-6
Communication Speed (Baud Rate):	<u>9,600</u> / 1,200 / 2,400 / 4,800 / 19,200 / 38,400 / 57,600 / 115,200 bps
Parity Bit:	<u>NONE</u> / ODD Parity / EVEN Parity
Set Data Bits:	<u>8 Data Bits</u> / 9 Data Bits
Stop Bit:	<u>1 bit (Fixed)</u>

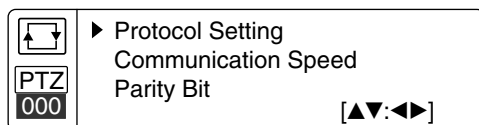
**Note:** Factory defaults are underlined.

### Operation

1. Press the Set Up button then select the [Communications] icon.



2. Press SEL.  
The sub menu will appear for [COMMUNICATION] setting.



3. Press the PTZ1 or PTZ2 button then use number buttons to select a camera's number, if required.
4. Press SEL.
5. Use Arrow (↑ / ↓) buttons to select a desired option then press SEL.  
The display will change to the editing mode.
6. Use Arrow (↑ / ↓) button to select the desired setting then press SEL to confirm your selection.

### Protocol Setting

This item lets you set a protocol for RS-485 communication.

You can select the desired parameter from [LG MULTIX], [LG old], and [Reserved 1-6].

**Note:** Using protocol of other model may cause limitation of this function.

### Communication Speed (Baud Rate) Setting

The speed of communication between the system controller and other system units.

You can select the desired parameter from 9,600 / 1,200 / 2,400 / 4,800 / 19,200 / 38,400 / 57,600 / 115,200 bps

**Note:** Conform this parameter to the baud rate of other system units. Otherwise, communication will not be established between the system controller and system units.

### Parity bit

The parity bit, added to the data, to perform parity check.

You can select the desired parameter from [NONE], [ODD Parity], and [EVEN Parity].

### Data Bits Setting

This item lets you set the number of the data bits for RS-485 communication.

You can select the desired parameter from [8 Data Bits] and [9 Data Bits].

**Note:** This setting must be compatible with the peripherals connected.

### Stop Bit Setting

The stop bit, added to the last of data, in asynchronous communication.

The parameter is fixed to [1bit].

## Preset Settings

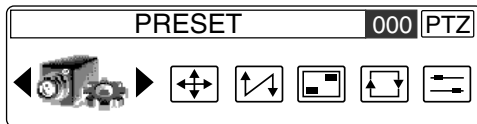
Preset position is the function to register camera monitoring positions (preset positions) associated with position numbers.

By entering the position numbers, you can move cameras to the preset positions.

**Note:** To activate this function, you need to register the preset positions of combination camera.

### To register preset positions

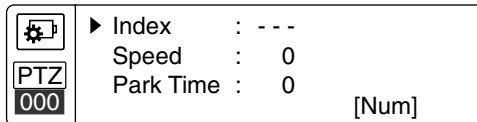
1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.



3. Select [Set Preset] option then press SEL.  
The sub menu will appear.



4. Press the PTZ1 or PTZ2 button then use number buttons to select a camera's number, if required.
5. Press SEL.
6. By moving the joystick, move the camera to a point you wish.
7. Enter a [Index] number you wish to register by pressing the numeric buttons then press SEL. (0-127)
8. Press NUM button then enter a [Speed] (0-127) to move to the preset position. Then press SEL.

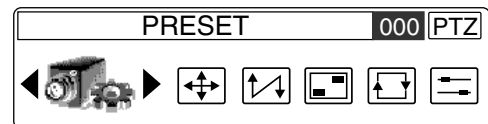
9. Press NUM button then enter a [Park Time] (holding time) (1-255). Then press SEL.  
The position and its number are memorized for later recall.
10. Repeat steps 4-9 to add additional position.

### Changing to Picture at Preset Position

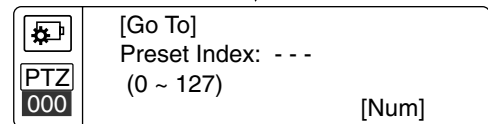
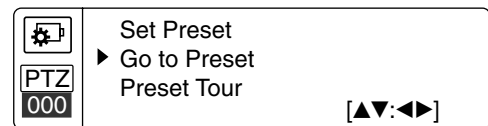
The following function is available only with cameras provided with the preset function.

The preset function makes the combination camera move to the programmed preset position. It is necessary to program preset positions for the combination camera beforehand.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Go to Preset] option then press SEL.  
The sub menu will appear.

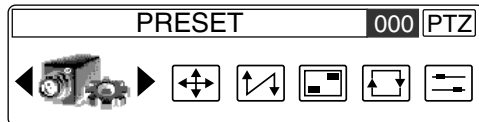


4. Use number buttons to enter the memorized preset position's index number then press SEL.  
The camera moves to the preset position and the picture of the camera in that position appears on the monitor.

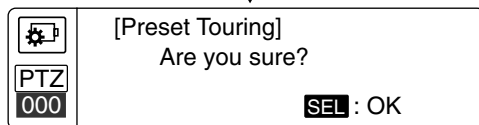
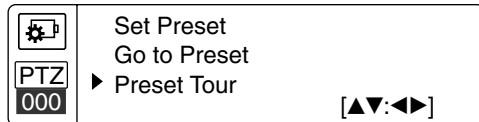
## To tour the preset positions

You can tour all preset positions.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Preset Tour] option then press SEL.  
The sub menu will appear.

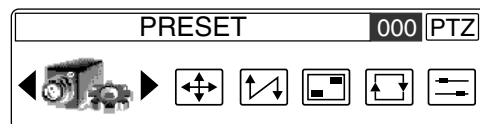


4. Press SEL.  
All registered preset positions in the camera will be selected, and the camera position image will be switched on the active monitor.
5. You can stop the tour by pressing Stop button or moving the joystick.

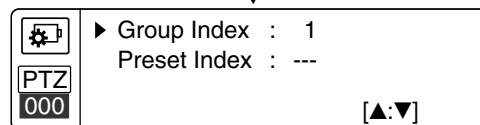
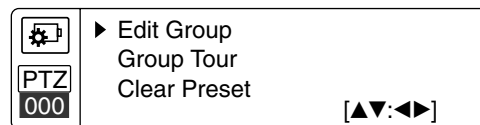
## To group the preset positions

You can create a group using preset positions that are registered already. A maximum of 9 group is available.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Edit Group] option then press SEL.  
The sub menu will appear.

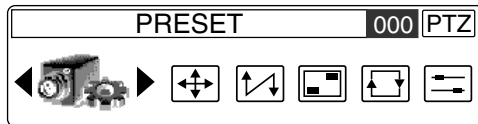


4. Use Arrow (↑ / ↓) buttons to select [Preset Index] option.
5. Press NUM button then enter the index number that is already registered.
6. Press SEL.  
The index number is added to the group.  
**Note:** A group can contain up to 8 preset numbers.
7. Repeat steps 4-6 to additional index number.  
**Note:** The available groups and indexes differ depending on cameras. So please refer to camera's manual.

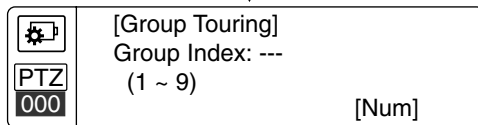
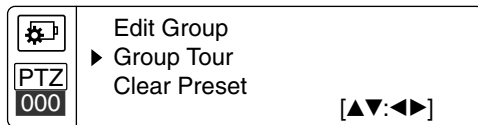
## To tour the group

You can tour the group that is registered already.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Group Tour] option then press SEL.  
The sub menu will appear.

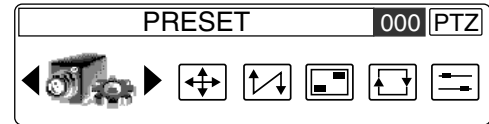


4. Use number buttons to enter the group number that is registered already then press SEL.  
The camera moves to the preset position in the group and the picture of the camera in that position appears on the monitor.

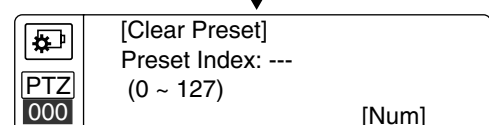
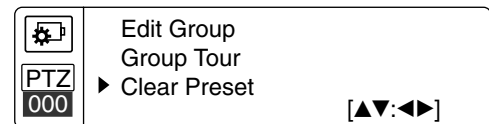
## To clear the preset position

You can delete a memorized preset position.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Clear Preset] option then press SEL.  
The sub menu will appear.

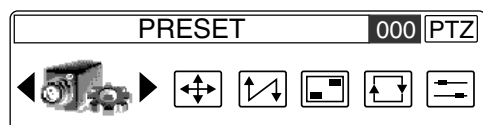


4. Use number buttons to enter the memorized preset index number then press SEL.  
The preset position will be deleted.

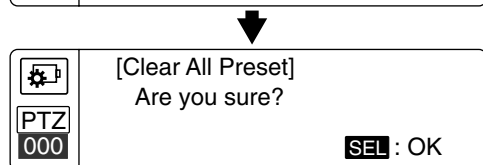
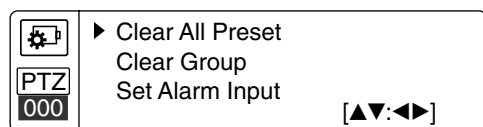
## To clear all preset position

You can delete all memorized preset position.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Clear All Preset] option then press SEL.  
The sub menu will appear.

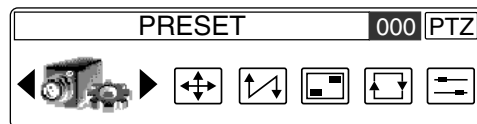


4. Press SEL to delete all preset positions.  
Press Back to return to the previous menu screen.

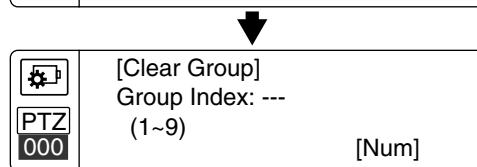
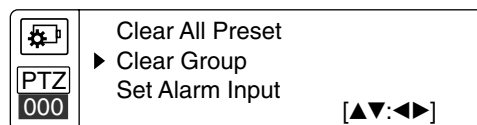
## To clear a group

You can delete a memorized group.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Clear Group] option then press SEL.  
The sub menu will appear.

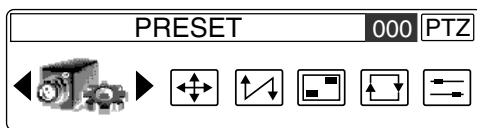


4. Use number buttons to enter the memorized group index number then press SEL.  
The group will be deleted.

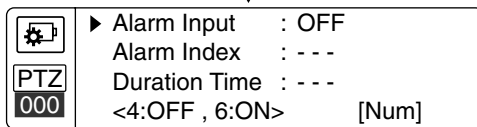
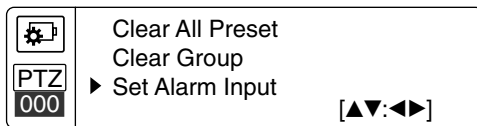
## To set Alarm Input

You can set alarm input mode, alarm index, and duration time. Preset numbers 1 to 8 are linked to alarm inputs 1 to 8 respectively. If alarm input 1 comes in, the camera turns to preset position 1, and to other positions according to alarm input 2 to 8. (This operating description is based on the LG product.)

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Set Alarm Input] option then press SEL.  
The sub menu will appear.



4. Use 4 (ON) or 6 (OFF) buttons to select Alarm Input Mode then press SEL.  
ON: Alarm input signals are supplied from external devices through the ALARM IN connector on the camera to turn the camera to a preset position.  
OFF: The camera ignores alarm inputs.
5. Enter a [Alarm Index] number (1-8).  
**Note:** The available alarm index differ depending on cameras. So please refer to camera's manual.
6. Enter a [Duration Time] (0-255) then press SEL.  
Displays the picture at the preset position for the selected duration. (0 (Manual mode); the camera hold at the preset position continuously. To escape Manual mode, set the [Alarm Input] to OFF.)  
Alarm input setting is finished and the setting is memorized to the camera's memory.
7. Repeat steps 4-6 to set additional Alarm Input.

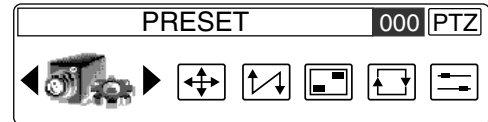
## To set Alarm Output

You can set alarm output mode, alarm index, and duration time. When alarm inputs are supplied via the alarm input connector on the camera, the camera sends output signals via the alarm output connector on the camera.

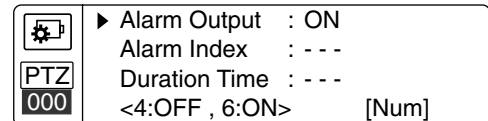
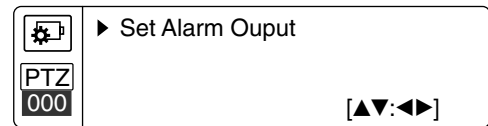
Alarm output numbers 1 to 4 are linked to alarm inputs 1 to 4 respectively. If alarm input 1 comes in, the camera sends output signals via the alarm output 1 connector on the camera. (This operating description is based on the LG product.)

**Note:** You cannot use this function with a camera without alarm output connector.

1. Press the Set Up button then select the [PRESET] icon.



2. Press SEL.  
The sub menu will appear for [PRESET] setting.
3. Select [Set Alarm Output] option then press SEL.  
The sub menu will appear.



4. Use 4 (ON) or 6 (OFF) buttons to select Alarm Output Mode then press SEL.  
ON: If alarm input comes in, the camera sends output signals.  
OFF: The camera does not send an output signal.
5. Enter a [Alarm Index] number (1-4).
6. Enter a [Duration Time] (1-255) then press SEL.  
Sends the output signals for the selected duration. (0 (Manual mode); the camera sends output signals continuously.)  
Alarm output setting is finished and the setting is memorized to the camera's memory.
7. Repeat steps 4-6 to set additional Alarm Output.



## Auto Pan Setup and Activation

You will set up and activate the auto pan function. The camera can pan among the points you will set.

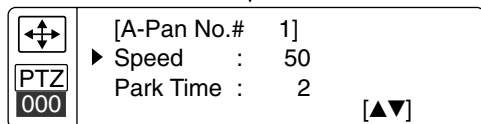
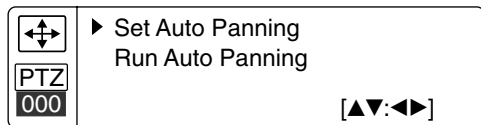
**Note:** Refer to the operating instructions of camera for details on the auto pan function.

### To set the points of auto pan

1. Press the Set Up button then select the [AUTO PANNING] icon.



2. Press SEL.  
The sub menu will appear for [AUTO PANNING] setting.
3. Select [Set Auto Panning] option then press SEL.  
The sub menu will appear.



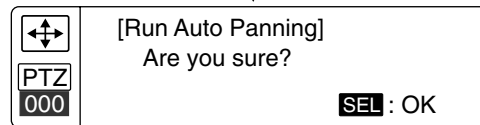
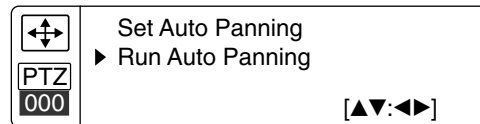
4. Press the PTZ1 or PTZ2 button then use number buttons to select a camera's number, if required.
5. By moving the joystick, move the camera to a point you wish.
6. Press NUM button then enter a [Speed] (0-127) to move to the preset position. Then press SEL.
7. Press NUM button then enter a [Park Time] (holding time) at the preset position (0-255).  
The setting is finished and the setting is memorized to the camera's memory.
8. Repeat steps 4-7 to add additional position.

### To activate auto pan

1. Press the Set Up button then select the [AUTO PANNING] icon.



2. Press SEL.  
The sub menu will appear for [AUTO PANNING] setting.
3. Select [Run Auto Panning] option then press SEL.  
The sub menu will appear.



4. Press SEL to activate auto pan.

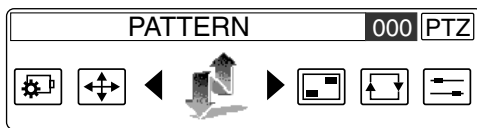
## Pattern Setup and Activation

You will perform the pattern setup and the pattern play.

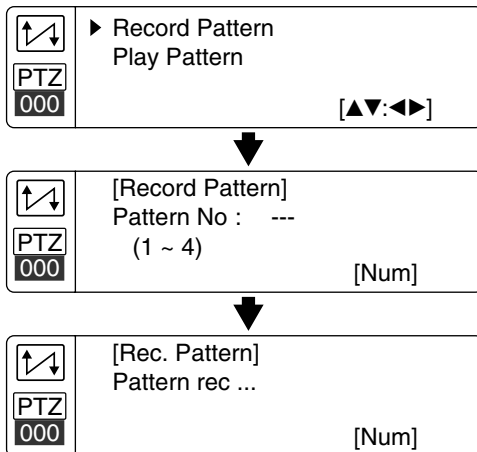
**Note:** The available patterns differ depending on camera. So please refer to camera's manual.

### To record the pattern

1. Press the Set Up button then select the [PATTERN] icon.



2. Press SEL.  
The sub menu will appear for [PATTERN] setting.
3. Select [Record Pattern] option then press SEL.  
The sub menu will appear.
4. Press the PTZ1 or PTZ2 button then use number buttons to select a camera's number, if required.
5. Press SEL.
6. Use number buttons to select the pattern index number then press SEL to confirm.  
Pattern recording starts.



7. Perform desired camera operations by moving the joystick or pressing In/Out buttons.  
The following controls are available for recording the pattern.

- Panning/Tilting/Zoom control (joystick)
- Zoom control (In/Out buttons)

**Note:** Press CLR or Back button if you cancel the recording during recording a pattern.

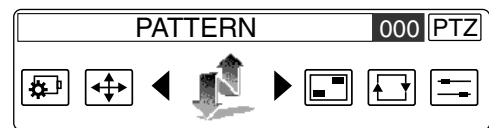
8. If you finish to record, press SEL.  
The pattern is memorized in the camera's memory.
9. Repeat steps 3-8 to add additional position.

**Note:** The available total time of pattern differs depending on camera's operation. When the time is over, the pattern setup will automatically stop.

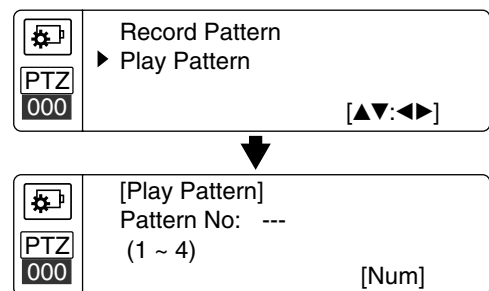
### Pattern Play

You can activate the pattern play function for the selected camera.

1. Press the Set Up button then select the [PATTERN] icon.



2. Press SEL.  
The sub menu will appear for [PATTERN] setting.
3. Select [Play Pattern] option then press SEL.  
The sub menu will appear.



4. Use number buttons to enter the memorized pattern index number then press SEL.  
The camera plays the pattern.
5. Press Stop button or move the joystick to stop playing.

## Privacy Setup

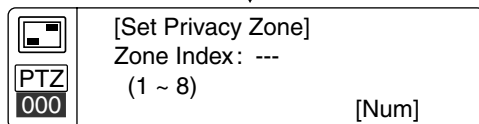
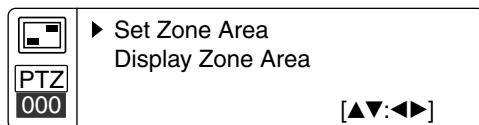
This setting is used for masking unwanted zones, hiding them from display on the monitor screen. Up to 8 zones can be registered. Submenus are provided for zone number selection and parameter setting.

### To register a new privacy zone

1. Press the Set Up button then select the [PRIVACY ZONE] icon.



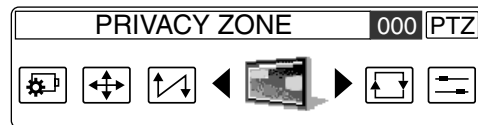
2. Press SEL.  
The sub menu will appear for [PRIVACY ZONE] setting.
3. Select [Set Zone Area] option then press SEL.  
The sub menu will appear.



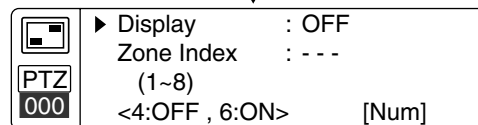
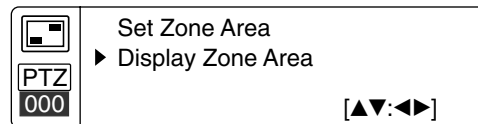
4. Press the PTZ1 or PTZ2 button then use number buttons to select a camera's number, if required.
5. Press SEL.
6. Use number buttons to select the zone index number then press SEL to confirm.  
The zone frame appears on the monitor.
7. Adjust the pan, tilt, and zoom position so that the desired position comes into the zone frame with the joystick.
8. Press SEL.  
The privacy zone setting has been completed and the setting is memorized in the camera's memory.
9. Repeat steps 3-8 to add additional position.

### To display or disappear privacy zone

1. Press the Set Up button then select the [PRIVACY ZONE] icon.



2. Press SEL.  
The sub menu will appear for [PRIVACY ZONE] setting.
3. Select [Display Zone Area] option then press SEL.  
The sub menu will appear.



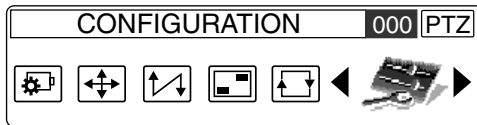
4. Use 4 (ON) or 6 (OFF) buttons to select Alarm Input Mode then press SEL.  
ON: Preset privacy zones are veiled on the monitor screen.  
OFF: The veiling function does not work.
5. Enter a [Zone Index] number (1-8).  
The display zone setting has been completed and the setting is memorized to the camera's memory.
6. Repeat steps 4-5 to set additional zone.

## Configuration Settings

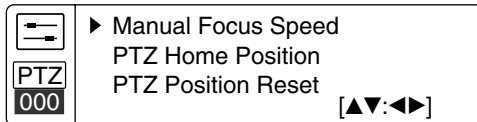
In this menu, you can customize the settings provided.

### Operation

1. Press the Set Up button then select the [CONFIGURATION] icon.



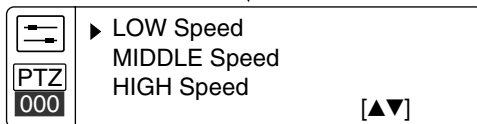
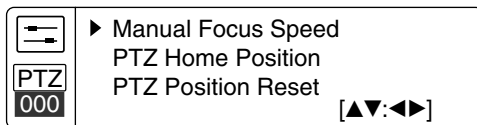
2. Press SEL.  
The sub menu will appear for [CONFIGURATION] setting.
3. Use Arrow (↑ / ↓) buttons to select a desired option.



4. While the desired menu option is selected, press SEL and the sub menu will appear.
5. Use Arrow (↑ / ↓) buttons to select the desired setting then press SEL to confirm your selection. Some menu options require additional steps.
- 6 Press Back button to return to the previous menu or press Set Up to return to the main menu.

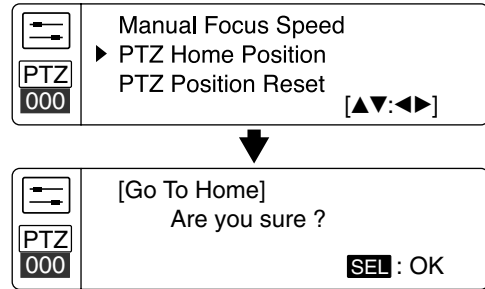
### Focus Speed Setting

You can select a shutter speed from among LOW, MIDDLE, or HIGH



### PTZ Home Position

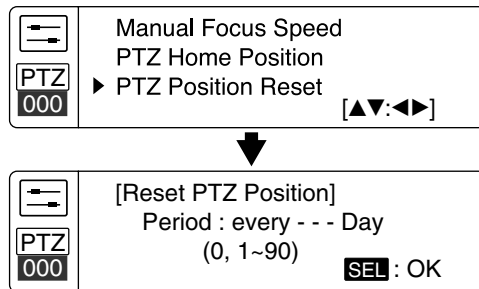
The home position is the camera's basic position. The camera returns to this position after executing the [PTZ Home Position] option.



### PTZ Position Reset

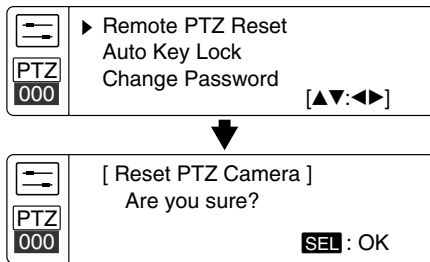
You can reset the connected PTZ camera's position automatically.

0 : Disable the PTZ position reset.  
1~90 : Reset the PTZ position once per number of days you set.



## Remote PTZ Reset

You can reset the connected PTZ camera's parameters to the factory default settings.



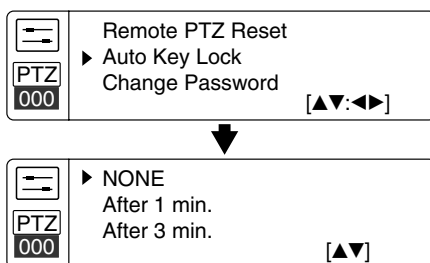
## Auto Key Lock Setting

The keys on the controller is locked when there is no operation for selected duration on the [Auto Key Lock] option. To release the Key Lock mode, you need to enter the password.

NONE: Auto Key Lock function is disable.

After 1 min.: The keys on the controller is locked when there is no operation for 1 minutes.

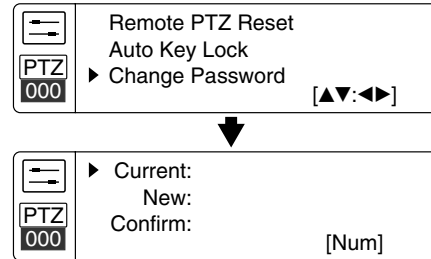
After 3 min.: The keys on the controller is locked when there is no operation for 3 minutes.



## To Change the User Password

The factory default of password is "000000". However, for security, you should change the password setting.

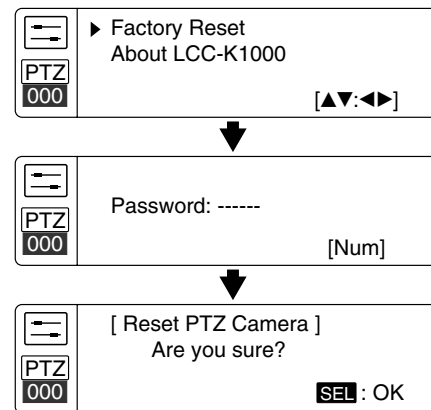
1. Select [Change Password] option then press SEL. The sub menu will appears.



2. Enter current 6-digit password using the number buttons then press SEL.
  3. Enter new 6-digit password using the number buttons then press SEL. Enter the password again to confirm, and press SEL. The password is stored.
- Note:** We recommend that you do not operate the controller during saving the password.

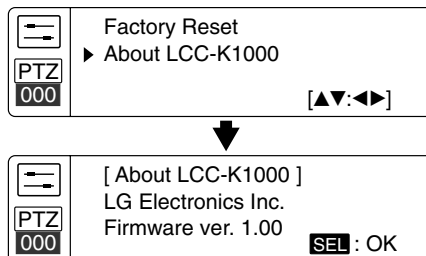
## Factory Reset

You can reset the controller's parameters to the factory default settings. You need to enter the password.



## About LCC-K1000

Shows model name and the current firmware version of the controller.



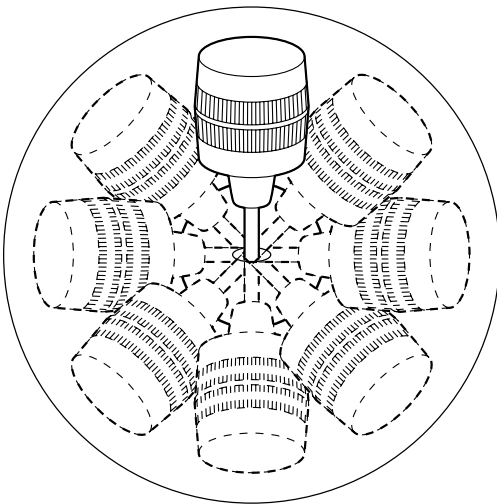
# Camera Control Function

Camera control functions are operable. It is necessary to set up the camera before using the camera control functions. For further information, refer to the Operating Instructions for the respective combination camera. You can also set it up from the Camera Setup menu during operating the system.

## Pan/Tilt Control

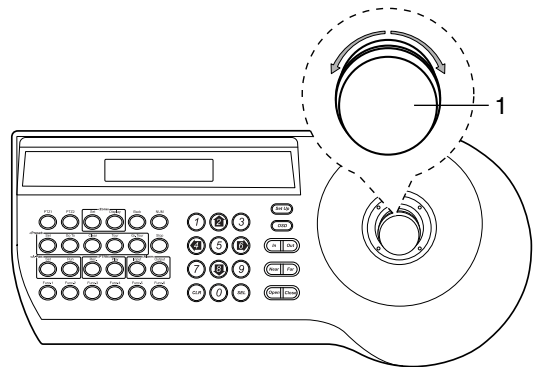
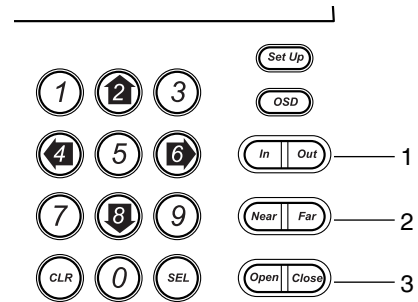
A combination camera or an ordinary camera with pan/tilt head can be controlled.

Move the pan/tilt head in the desired direction using the joystick.



## Lens Control

The following functions are available with cameras provided with controllable lens.



1. Press the In button to optically bring the object closer, or press the Out button to optically widen the scene.

**Tip:** Turning the joystick head to the right or left will zoom or widen the image. (The zooming level will go up or down.)

**Note:** Focal length differs depending on the lens installed on the camera.

2. Press the Near or Far button to adjust the lens focus while watching the monitor.
3. Press the Open or Close button to adjust the lens iris while watching the monitor.

# Reference

## Specifications

Communication	Signal	RS-485
	Connector	RJ11
	Baud Rate	1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 38,400 / 57,600 / 112,500 bps
Joy-Stick Type	3-Axis	
Control	256 Camera ID / Protocol Selection / Alarm Control	
	Pan / Tilt / Zoom / Iris Focus	
	128 Positions Preset Touring	
	8 Positions Auto Panning	
	4 Pattern Setting	
	Privacy Zone Masking (8 zones)	
Firmware Update	RS-232C	
Total Key Number	44	
Password	6 Digits	
Display	4 Gray Graphic LCD (256 x 72 dots)	
Operation Temp. / Humidity	-10 °C ~50 °C / 0%RH ~ 80%RH	
Storage Temp. / Humidity	-20 °C ~60 °C / 0%RH ~ 85%RH	
Supplied Voltage	DC12V, 125mA	
Weight	1kg	
Dimension(H x V x D)	419 x 110 x 190mm	



**LG Electronics Inc.**

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