

# XID-300 User Manual

---

Version Eng-0.01



Copyright © LG CNS



---


Copyright © 2011 LG CNS




**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.

**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.

**REGULATORY INFORMATION: FCC Part 15**

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.




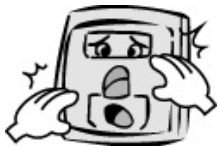
## &lt; Contents &gt;

<b>1. Before Use .....</b>	<b>3</b>
1.1. Safety Precautions.....	3
1.2. Terminal Description .....	5
1.3. Screen Description (During Operation).....	5
1.3.1 Icons Shown During Operation.....	6
1.3.2 Message Shown During Operation .....	6
1.3.3 LED Signal Shown During Operation.....	7
1.3.4 Keys Used During Operation.....	7
1.3.5 Voices Used During Operation.....	7
1.3.6 Buzzer Sounds Used During Operation.....	8
1.4. How to unplugged terminal power supply safely.....	8
<b>2. Product Introduction .....</b>	<b>9</b>
2.1. Features .....	9
2.2. Block diagram.....	10
2.3. Specification .....	11
<b>3. Environment Settings .....</b>	<b>12</b>
3.1. Enter the Menu.....	12
3.1.1 When you forget password .....	12
3.1.2 Admin main menu .....	12
3.2. Menu Configuration.....	13
3.2.1 Network.....	14
3.2.1.1 Terminal IP and Server IP setting.....	14
3.3.1 System Setting.....	15
3.3.1.1 Language.....	15
3.3.1.2 Volume .....	15
3.3.1.3 Initialization .....	16
3.3.1.4 Door Control.....	17
3.3.1.5 Password.....	17
3.3.1.6 Background image .....	18
3.4.1 Application.....	18
3.5.1 Terminal Info .....	19
3.6.1 Option .....	19

## 1. Before Use





### 1.1. Safety Precautions


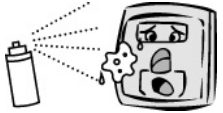

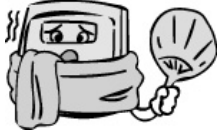
- Warning

<p>Do not handle the unit with wet hands and do not allow liquid to flow into, or on, it.</p> <p>-&gt; It may cause an electric shock or damage.</p>		<p>Do not place a fire source near the unit.</p> <p>-&gt; It may cause a fire.</p>	
<p>Do not disassemble, repair, or modify the unit.</p> <p>-&gt; It may cause an electric shock, fire or damage.</p>		<p>Keep out of children's reach.</p> <p>-&gt; It may cause an accident or damage.</p>	

- If the above warnings are ignored, it may result in death or serious injury.

- Cautions

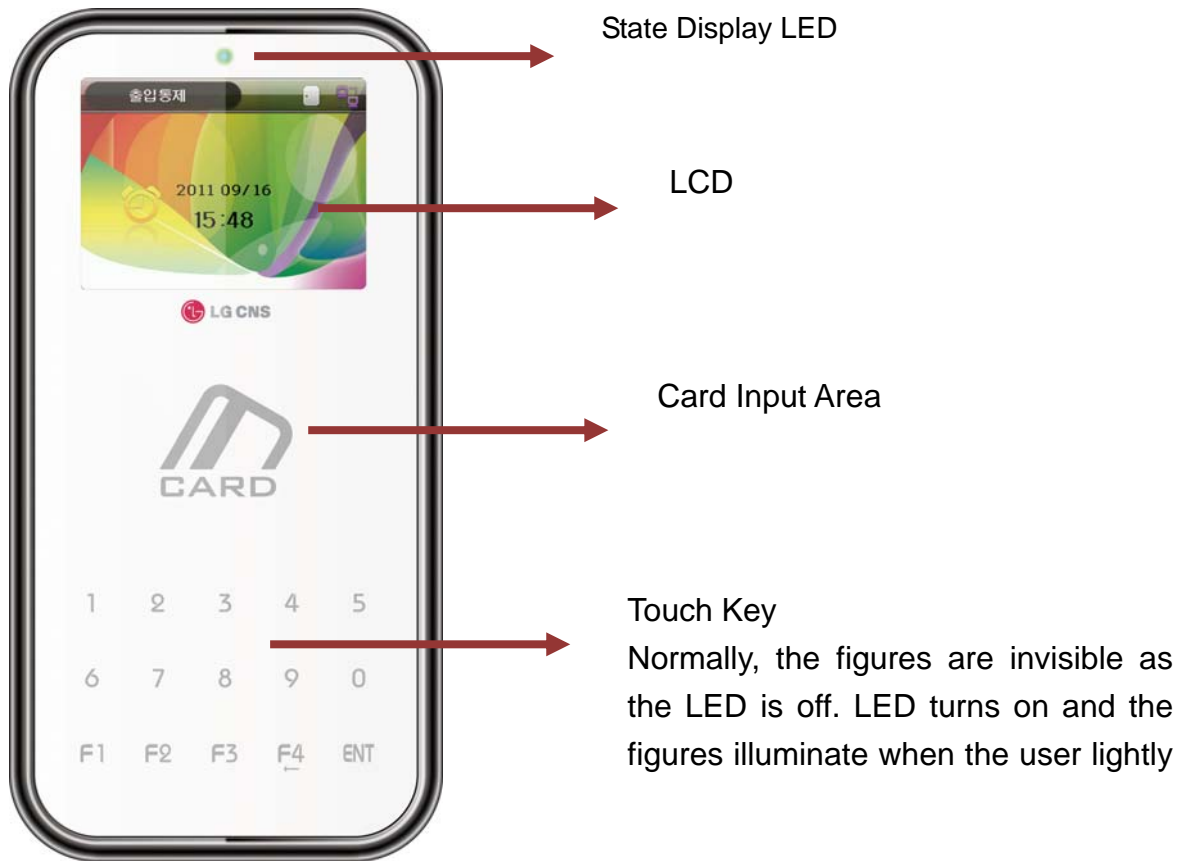
<p>Keep away from direct sunlight</p> <p>-&gt; It may cause malfunction, deformation or change the colour of the unit.</p>		<p>Avoid high humidity or dust</p> <p>-&gt;It may cause the unit to malfunction.</p>	
<p>Avoid using water, benzene, thinner, or alcohol for cleaning the unit.</p> <p>-&gt; It may cause an electric shock or fire.</p>		<p>Do not place a magnet near the unit.</p> <p>-&gt; The unit may break down or malfunction.</p>	

<p>Avoid getting the fingerprint input area dirty. -&gt;It may prevent the unit from recognising the fingerprint.</p> 	<p>Avoid using insecticides or flammable sprays near the unit. -&gt; It may result in the deformation or change the colour of the unit.</p> 
<p>Avoid impact or using sharp objects on the unit. -&gt; The unit may get damaged and broken.</p> 	<p>Avoid installing the unit in a place where temperature changes severely. It may cause the unit to malfunction.</p> 

- If the above cautions are ignored, it may result in property damage or human injury.

※ Under no circumstances will Union Community be responsible for accidents or damages caused by inappropriate use of the product and neglect of the precautions stated in the user guide.






### 1.2. Terminal Description



### 1.3. Screen Description (During Operation)

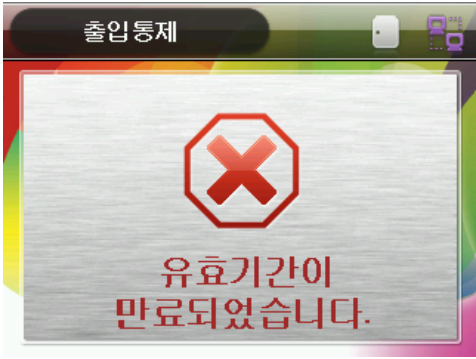
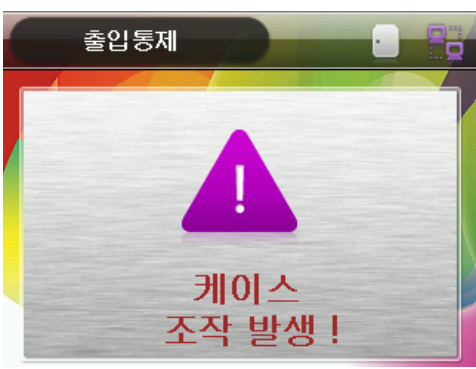


### 1.3.1 Icons Shown During Operation

<p>Door Status</p>	 : Door status is unknown.  : Door is closed.  : Door is open.
<p>Connection of Server</p>	 : LAN cable is connected, but not yet to the server.  : Connected with the server.

### 1.3.2 Message Shown During Operation

	<p>When authentication is successful.</p>
	<p>When authentication has failed.                      - As any unregistered card is input.</p>
	<p>When authentication has failed.                      - As card is registered at BL.</p>

	<p>When authentication has failed.</p> <ul style="list-style-type: none"> <li>- As card is expired.</li> </ul>
	<p>When the lid of the terminal is opened</p>

**1.3.3 LED Signal Shown During Operation**

Green	When authentication has failed, when the lid of the terminal is opened
Red	When authentication is successful.

**1.3.4 Keys Used During Operation**

[0] ~[9]	- Keys used for numeric input.
[F1]	- When put IP, it is used as dot (.)
[F4(←)]	<ul style="list-style-type: none"> <li>- When you put numbers, it is used as Delete.</li> <li>- Use the [F4 (←)] key to cancel input during setting</li> </ul>
[ENT]	<ul style="list-style-type: none"> <li>- Used for accessing the menu when pressed on the initial screen</li> <li>- Used for moving to set next value in main menu.</li> <li>- Used to apply the configuration to the current screen in menu mode and then exiting to the parent menu.</li> </ul>

**1.3.5 Voices Used During Operation**

Type of Operation	Voice
When authentication is successful	Thank you.



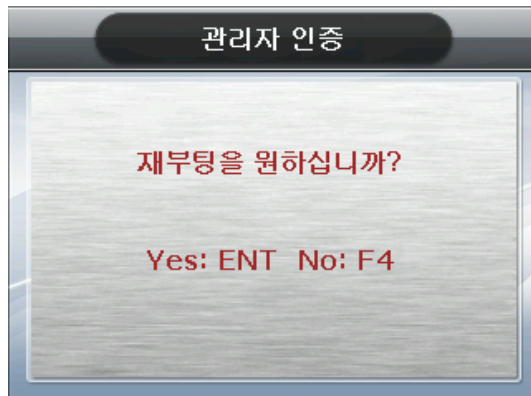
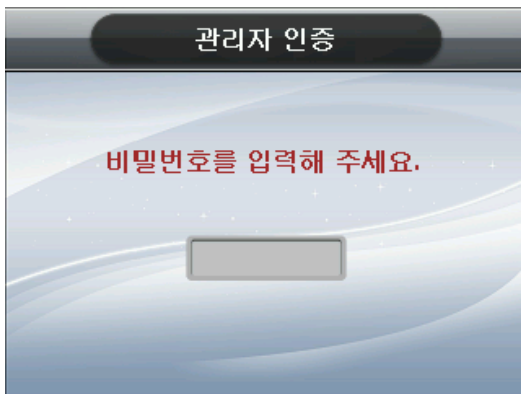
When authentication has failed.	This card is not registered. Please try again.
When terminal is Initialized	Terminal is initializing

### 1.3.6 Buzzer Sounds Used During Operation

Beep	When the key is pressed or card is read
Be peep	when the lid of the terminal is opened

### 1.4. How to unplugged terminal power supply safely

When you put [ENT] for 3seconds, LED of keypad is off and then on with Beep sound. After taking off your finger, the following left screen appears. If you press [F1] 4times and [ENT], the following right screen appears. If you press [ENT], terminal is restart safely. At that time, you make it disconnect.



## 2. Product Introduction

### 2.1. Features

- **Slim and polished design**

- Easy to install as it is designed as a standalone type; Slim and elegant design using Colour LCD and Touch Keys

- **Change the LCD background image and voice using USB.**

- Provides a variety of information messages via the colour LCD screen and voices. You can download background images and voice messages using USB. Also, the built-in LCD Screen Backlight and Touch Key LED's allow the screen to be read and keys to be operated in dark conditions.

- **Designed to IP65 rainproof specification** – Outdoor installation is possible.

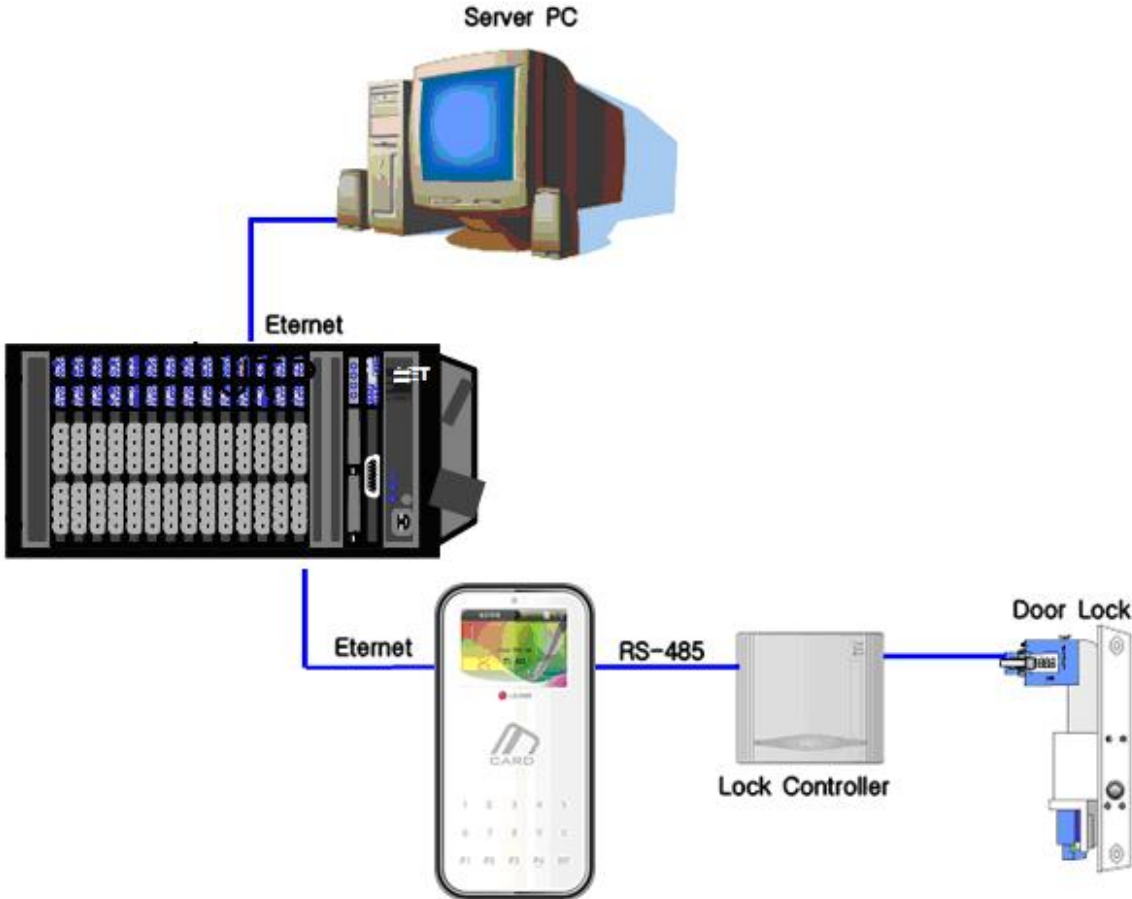
- **Access Management System Using a Network (LAN)**

- Communication is carried out between the fingerprint recognition device and authentication server using TCP/IP protocol, and allows for easy expansion as it can be applied to the network as is. 10/100 Mbps Auto Detection ensures high-speed operation. Enables easy management and monitoring via the network.

- **Provides a Diverse and Flexible Access Management**

- Provides a perfect control function by granting entrance/access rights by user group.

2.2. Block diagram



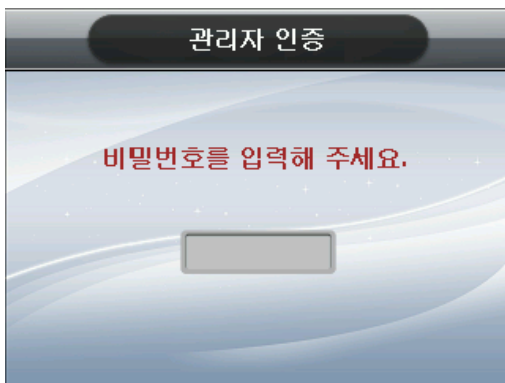
### 2.3. Specification

Item	Specification	Remarks
CPU	32Bit RISC CPU(400MHz)	
LCD	2.8" TFT Color (320*240)	
Touch Key	15Key (0~9, F1~F4,Enter)	
Memory	32M SDRAM 16M NOR FLASH 128M NAND FLASH	
Temperature/ Humidity	-20 ~ 50 / Lower than 90% RH	
AC / DC Adapter	INPUT : Universal AC100 ~ 250V	
Output	OUTPUT : DC 12V	Lock Controller Communication
Communication Port	RS485	
Card Reader	13.56Mhz Smart Card	
Size	88.0mm * 175.0mm * 43.4mm	


## 3. Environment Settings

### 3.1. Enter the Menu.

When you put [ENT] for 3seconds, LED of keypad is off and then on with Beep sound. After taking off your finger, the following screen appears. The initial password is **2345**.



#### 3.1.1 When you forget password

You make your terminal to be disconnect. Door state is changed to gray . (You can't change password while using terminal.) Make /xid30/pw folder in USB and connect USB and terminal. After 10 seconds, put [F1],[1],[F2],[2] and [ENT] at admin main menu. If you do so, initial password is changed.

#### 3.1.2 Admin main menu



### 3.2. Menu Configuration

1. Network	1. Terminal IP	Terminal IP Gateway Subnet mask
	2. Server IP	Server IP Server PORT
2. System	1. Language	Korean English
	2. Volume Control	1. Voice Volume 2. Beeper Volume
	3. Initialize	1. Setting Initialization 2. Data Initialization 3. Terminal Initialization
	4. Door Control	1. Open duration 2. Door setting
	5. Password change	
	6. Background change	
3. Application	- Access, TNA, Meal Attendance, fire	
4. Information	- Door sate - Version	Open / Close
5. Option	1. Lamp	Yes or No
	2. Sensor	Yes or No
	3. Case Tamper Audible	ON or OFF
	4. SAM use	Yes or No
	5. Terminal IN/OUT setting	IN or OUT

### 3.2.1 Network

- If pressing [1] at Admin main menu, the following screen appears



#### 3.2.1.1 Terminal IP and Server IP setting

- If you want to change it, press [1] and select <1. Terminal IP>. When you set IP, [F1] is for "."(dot)  
The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting.

- After pressing [2] and select <2. Sever IP>, you can change it same as <1. Terminal IP>.



### 3.3.1 System Setting

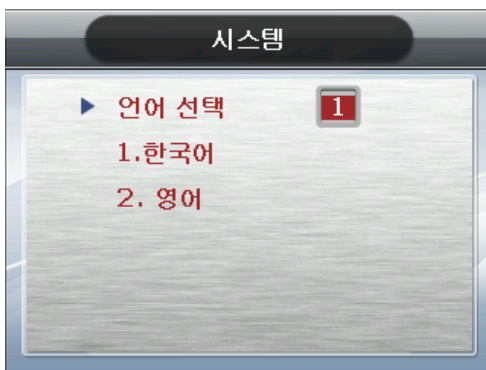
- Put [2] at a main menu, and the following screen appears



#### 3.3.1.1 Language

- Selete <1. Language> as putting [1]. You can change what you want as putting [1]or [2].

The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting.



#### 3.3.1.2 Volume

- You press [1] and select <2. Volume>. You can change what you want pressing [0] ~ [5]. The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting. If you select that volume is 0, sound or beep sound is not output.



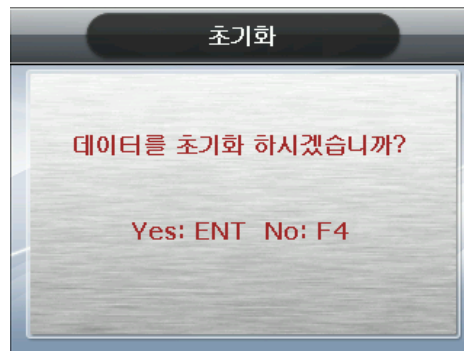
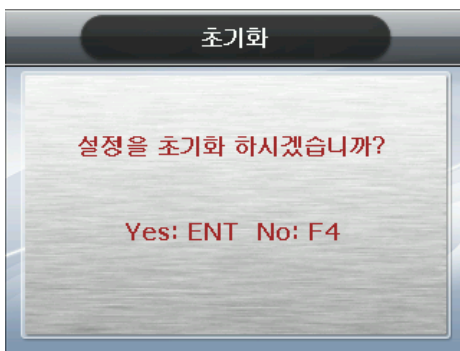


**3.3.1.3 Initialization**

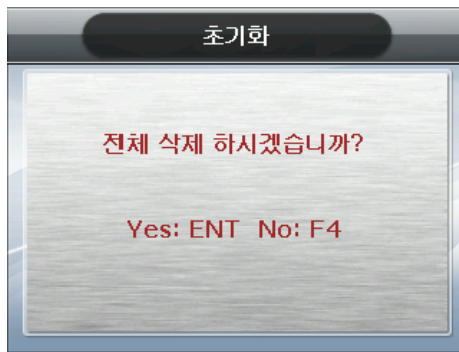
- If you want to initialize what you set, press [1]. If you want to delete data, press [2]. If you want to initialize terminal, press [3]



- When you press key you want, the following screens appear. If you want to initialize, press [ENT]. If you want to cancel it, press [F4←]. If you select Initialization, terminal is reset after initializing.



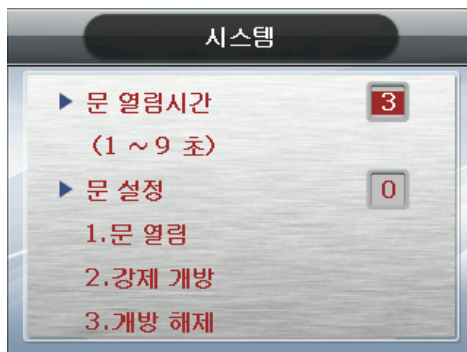
- Setting initialization initializes all data of terminal without MAC address. However, it doesn't initialize files and logs related with authorization.
- Data initialization initializes files and logs related with authorization.



- Terminal initialization initializes the whole of terminal.

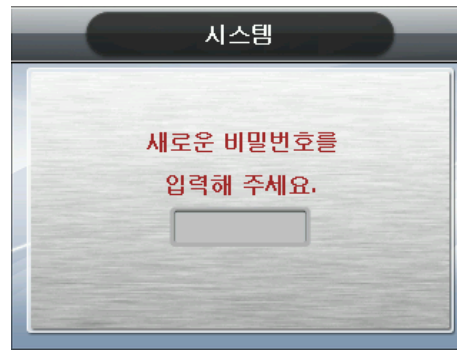
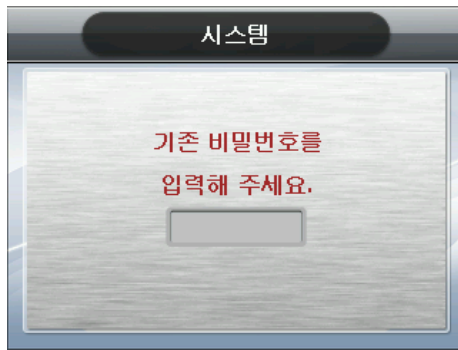
### 3.3.1.4 Door Control

- Designates the time the door is opened and closed again when authentication is successful. Minimum value is 1 sec and maximum value is 9sec.
- <1. Door open> is for that door opens and closes one time. <2. Door open by force> is for that door is always opened. <3. Door open clear> is for that <2> is made to close.
- The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting.



### 3.3.1.5 Password

- It's for changing password. When you set password, you can set 4~8 digit using numbers 0 to 9. The initial password is 2345.



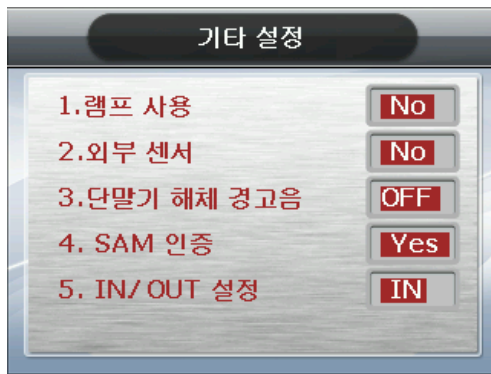
### 3.3.1.6 Background image

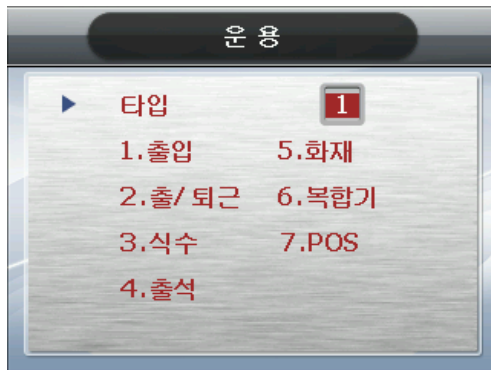
- It's for changing background image. You can select it you want using [1],[2]. The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting.



### 3.4.1 Application

- If pressing [3] at admin main menu, the following screen appears.  
 - You can select application type pressing number you want. The user can exit to the parent menu using the [ENT~] key to apply the changed values. Use the [F4 (←)] key to cancel input during setting. The initial value is attendance as 1.





### 3.5.1 Terminal Info

- If you press [4] at Admin main menu, the following screen appears.
- You can check terminal version and Door open state from Terminal Info.

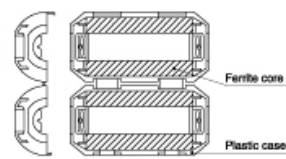


### 3.6.1 Option

- You can see the following screen appears if pressing [5].
- Lamp (Yes or No) : If setting that Lamp is yes and Lock Controller is connected with it, when authentication is successful, blue of lamp light is on and When authentication is fail, red of lamp is on.
- External sensor (Yes or No) : If you set external sensor us Yes and Lock Controller is connected with it, terminal can detect value of external sensor.
- Case Tamper Audible (ON or OFF) : When you set Case Tamper Audible is ON, If bracket connected with terminal is disconnected, warning sound or message box appears.
- SAM authorization setting (Yes or No) : If you set SAM authorization setting is YES, when authentication is only successful using card, door opens.
- IN/OUT setting(IN or OUT) : If you connect Lock Controller with two XID terminals, one terminal is set as **IN** and the other one is set **OUT**.



Close Window

<p><b>EMC Components</b></p> <p><b>Clamp Filters (Ferrite Core with Case)</b></p> <p>Part Number : <b>ZCAT1730-0730A</b></p> <p>Product Name : <b>Clamp Filters</b></p> <p>TDK Series Name : <b>ZCAT Series</b></p> <p>Application :</p> <p><b>Personal computers, word processors, monitors, hard disk drives, digital telephones, audio devices, electronic musical instruments, video games, copiers and facsimiles.</b></p> <p>Function :</p> <p><b>A type means Cable fixed type( hold the cable to secure it with the main body).Ferrite core provides excellent absorption of high-frequency EMC.Highly effective as countermeasure against common mode EMC without adverse effect on signal quality.Large core size prevents saturation during large signal surges.</b></p> <p>Description :</p> <p><b>Unique plastic case ensures simple, convenient installation and includes a self-holding mechanism to prevent slippage on cables.</b></p> <p><a href="#">Submit Sample Request</a></p> <p><a href="#">Check Distributor Inventory</a></p> <p> <a href="#">Print Page</a></p> <p> <a href="#">Download Adobe PDF Viewer</a></p>	<p><b>ZCAT INTERNAL CONSTRUCTION</b></p>  <p style="text-align: center;">&lt; Prev   <a href="#">Open PDF file</a>   Next &gt;</p>
--	--

**Additional Search Tools:**

[Application](#)  
 [Catalog](#)  
 [SEAT](#)  
 [CCV](#)  
 [TVCL](#)  
 [Tech Notes](#)

Property Name	Property Description
Product Lifecycle Stage	<b>Production</b>
Part Number Replacement	<i>No Data Available.</i>
Surface Mount	<b>No</b>
Lead (Pb) Free	<b>Yes</b>
Body Length (L)	Nom <b>30</b> mm
Outside Diameter Nom	Nom <b>16.5</b> mm
Inside Diameter Nom	Nom <b>7</b> mm
Body Height (T)	Nom <i>No Data Available.</i>
Cable Diameter	<b>4 to 7</b> mm
Cable Type	<b>Round/Oval Cable</b>
Impedance	Min <b>40</b> Ohm
Frequency of Impedance	Nom <b>10</b> MHz
Category Temperature Range	Min <b>-40</b> Cel Max <b>85</b> Cel
Storage Temperature Range	Min <b>-40</b> Cel Max <b>85</b> Cel
Packing	<b>Box</b>
Minimum Package Qty	Nom <b>840</b> Pcs
Minimum Order Qty	Nom <b>840</b> Pcs
Weight	Nom <b>12</b> g

Disclaimer: This information is to be used for reference purposes only and is subject to change by TDK without notice. It reflects an overview of the product characteristics/performance for the particular part number. For product specification information, please refer to TDK's general product specification. Please note that this standard part is not designed or warranted to meet any specifications of any intermediate or end user different from or in addition to the specifications set fort in TDK's general product specification. Note also that this standard part has not been specially designed or manufactured for, nor is it intended or warranted for use in , or permitted to be resold for, specialized applications such as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").



**UNION  
COMMUNITY**

3F, Hyundai Topics bldg., 44-3, Bangi-dong, Songpa-gu, Seoul, 138-050, Korea  
Tel) 82-2-6488-3000 Fax) 82-2-6488-3099

REF NO.	FA-0510-005
DATE	2009.12.03
FAX TO	
ATTN.	
SUBJECT	Applying Ferrite Core to RJ45 Cable

We should apply a Ferrite Core (ZCAT1730-0730A) to a RJ45 Cable when we sell a product.

UNION COMMUNITY Co., Ltd.

Y.S SIN

President

